



HIGH COURT OF MADHYA PRADESH

PRINCIPAL SEAT – JABALPUR

No. Reg(IT)(SA)/2022/766 Jabalpur, Dated:-21-06-2022

// CLARIFICATION //

Subject:- The matter regarding to publish the clarification / reply of Pre-Bid meeting dated: 28th May, 2022 of the tender for the supply, installation, commissioning, maintenance and rate contract of the Computer Hardware for the High Court of Madhya Pradesh and Subordinate Courts in the State of Madhya Pradesh with reference to tender no. Reg(IT)(SA)/2022/705, Dated: 20-05-2022.

Ref: - Pre-Bid Meeting dated: 28th May, 2022.

Reply / clarification to the pre-bid queries

Query No.	RFP Reference (Section No. /Page No.)	Content of RFP Requiring Clarification	Query of the bidder / remarks of the bidder	Reply / clarification to the query /remarks by the High Court
1	E-1 Scanner - Flatbed & ADF Page No. - 43	Bit Depth - 24 bit colour / 48 bit colour	Suggest you to please make this as Bit Depth - 24 bit colour / 24 bit colour as 48 bit colour is for no use in document scanning and its brand specific feature Bit Depth usually use for photo scanning. In text scanning it's not in much use	No Change
2	E-3 Scanner - ADF with Duplex Page No. - 44	Minimum Daily Volume - 10000 pages per day	Request you to please make this as minimum 7000 pages per day, as 10000 is brand specific and department will not get competitive bids 60 ppm speed scanners usually comes with 6000 - 7000 daily duty cycle and available with top brands	No Change



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3	E-5 Scanner - High Speed Scanner Page No. - 45	Recommended Daily Volume - 10000 pages per day or higher	Request you to please make this as minimum 4000 pages per as 10000 is brand specific and department will not get competitive bids 10000 pages duty cycle is brand specific	No Change
4	E-5 Scanner - High Speed Scanner Page No. - 45	ADF Tray Capacity - 200 sheets or higher	Request you to please make this as 100 sheets of higher 200 sheets is brand specific	No Change
5	E-5 Scanner - High Speed Scanner Page No. - 45	Paper Thickness / Weight - 34 to 413 gsm	Request you to please make this as 50 to 190 gsm Higher gsm paper use only on sheet feed scanners in ADF paper move in U path it will stuck because high thickness.	No Change
6	L Multifunction Printer - Inkjet Page No. - 52	20 ppm or above (Black) (A4 size) (normal) 16 ppm or above (Colour) (A4 size) (normal)	Request you to add Draft speed: 37ppm/23ppm (Color/Mono) or more so that other brand also can participate. Draft speed: 37ppm/23ppm (Color/Mono)	No Change
7	M Multifunction Printer - Page No. - 52	Printer Type - Laser Printer	Request you to please make this as Laser / Ink Tank - In Inktank you will get low print cost i.e. Rs. 0.12 paisa per page print cost and 12 watts power consumption during print as per ISO standard. Ink tank prints are smuged free / water resistance / dry free ink Inktank printers are easy to use with low print cost and power consumption	No Change
8	M Multifunction Printer - Inkjet Page No. - 52	Printing - Automatic duplex printing - A4, Legal, Letter	Request you to please make it as duplex printing - A4 & Letter. As in A4 segment printer legal duplex do not comes and this is brand specific feature. Legal duplex print feature always comes in A3 segment printer	No Change
9	K High Speed Laser Jet Printer	Printer Type - Laser Printer	Request to include eco friendly inkjet technology for low running cost and operational cost. Also save energy by using eco tank	No Change



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	Page No. - 51		printers because of low power consumption about 24 W during printing and less e-waste management. Inkjet with high capacity ink pack systems printers are easy to use with low print cost and power consumption	
10	K High Speed Laser jet Printer Page No. - 51	Print Speed – 35 ppm or above A4 Black	Request you to please make this as 24 PPM 35 PPM is brand specific	No Change
11	K High Speed Laser jet Printer Page No. - 51	Paper Capacity - 250 sheets of standard input tray, 100 sheets in multipurpose tray	Request you to please make this as 250 sheets of standard input tray, 1 sheet in multipurpose tray Multipurpose tray comes for high gsm paper use only as no use to take 100 sheets and this is brand specific	No Change
12	J Heavy Duty MFD Page No. - 50	Copy / Print Process - Indirect Electrostatic Photographic Method (Dry Process) / laser technology or equivalent	Request you to please make this as Laser / Inkjet - In Inkjet you will get high capacity ink pack systems and 24 watts power consumption during print as per ISO standard. Inktank prints are smuged free / water resistance / dry free ink Inkjet with high capacity ink pack systems printers are easy to use with low print cost and power consumption	No Change
13	J Heavy Duty MFD Page No. - 50	Copy Speed - Minimum 30 CPM	Request you to please make this as 23 CPM 30 CPM is brand specific	35 CPM or better
14	J Heavy Duty MFD Page No. - 50	Print Speed - 30 PPM	Request you to please make this as 25 PPM 30 PPM is brand specific	35 PPM or better
15	I Network MFD Page No. -	Copy / Print Process - Indirect Electrostatic	Request you to please make this as Laser / Ink Tank - In Inktank you will get low print cost i.e. Rs. 0.12 paisa per page print cost	No change



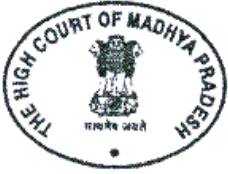
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	49	Photographic Method (Dry Process) / laser technology or equivalent	and 12 watts power consumption during print as per ISO standard. Inktank prints are smuged free / water resistance / dry free ink Inktank printers are easy to use with low print cost and power consumption	
16	I Network MFD Page No. - 49	Copy Speed - Minimum 25 CPM	Request you to please make this as 23 CPM 25 CPM is brand specific	No Change
17	I Network MFD Page No. - 49	Power Stabilizer - Inbuilt / Outside	Please remove this feature as this do not comes in printers and in Inktank power consumption will be approx 30 watts Stabilizer is some brand specific feature	No Change
18	2.15.1	Reduce the turnover from 5 Crore to 3 Crore for the Last Three Financial Year	Request you to reduce the turnover from 5 Crore to 3 Crore for the Last Three Financial Year, because due to covid the turnover has decreased a lot in the last two years. We have been supplying Continuously since last 10 Years in HCMP Jabalpur, Bench Indore, Gwalior & Subordinates Courts.	No Change
19	E-1 Scanner - Flatbed & ADF Page No. - 43	Scan Speed - 20 pages per minute (A4 size) or higher	Suggest you to please make it as 25 pages per minute as this is industry standard scan speed in these kind of scanner Higher speed will give easy use and 25 PPM is standard speed and available with top brands	No change
20	E-2 Scanner - ADF with Duplex Page No. - 43	Scan Speed - 40 PPM	Suggest you to please make it as 45 pages per minute as this is industry standard scan speed in these kind of scanner Higher speed will give easy use and 25 PPM is standard speed and available with top brands	No change
21	E-2 Scanner - ADF with Duplex Page No. -	Paper Capacity - 50 plus sheets ADF (20lb / 80g/m2) paper	Suggest you to please make this as 100 sheets ADF (20lb/80g/m2) paper as this will give easy use to user and will not required to fill paper multiple	No change



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	43		times Higher paper capacity will give easy use and available in top brands	
22	Specifications– A Desktop Computers (Ubuntu Operating System) PageNo.38	04- Processor Family: IntelCorei3 Processor with Eleventh Generation or better processor	Requesting the dept. to update the specification as: IntelCorei3 Processor with Eleventh Generation or 5000-Series AMD Ryzen 3 or Better Processor To enable fair & open competition.	Intel Core i3 Processor or with 12 th Generation or equivalent or better Processor
23		07- Motherboard & Chipset: Intel Original Mother Board or better M/B based on associated Chipset with Minimum two free PCI / PCI-x/ PCI Express slots / PCIe1+1Half Height PCIe	Requesting the dept. to update the specification as: Intel/AMD Chipset Mother board with 2xPCIe Express Slots to enable fair & open competition.	Yes changed to Intel Original Mother Board or equivalent or better M/B based on associated Chipset with Minimum two free PCI / PCI-x/ PCI Express slots / PCIe1
24		13 - Operating System certificate: Ubuntu -	Requesting the dept. to update the specification as: Linux Certification, As there are multiple flavors of	Yes changed as Operating



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		Linux 20.04 LTS and declaration/certificate is to be obtained from OEM	Linux Kernels are available & asking for a single OS will restrict leading OEMs to participate.	System certificate: Linux LTS and declaration OR certificate is to be obtained from OEM in this regard.
25		17- GraphicProcessor: Intel HD or equivalent Integrated HD Graphic & sound Controller.	Requesting the dept. to update the specification as: Integrated Intel/ AMDHD Graphics & Sound Controller To enable fair and open competition.	No change
26	Specifications–B Desktop Computers (Windows Operating System) Page No.39	04-Processor Family: Intel Corei3 Processor with Eleventh Generation or better processor	Requesting the dept. to update the specification as: Intel Corei3 Processor with Eleventh Generation or 5000-Series AMD Ryzen3 or Better Processor to enable fair & open competition.	Intel Core i3 Processor or with 12 th Generation or better or equivalent Processor
27		07- Motherboard & Chipset: Intel Original Mother Board or better M/B based on associated	Requesting the dept. to update the specification as: Intel/ AMD Chipset Motherboard with 2xPCIe Express Slots To enable fair & open competition.	Yes changed to Intel Original Mother Board or



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		Chipset with Minimum two free PCI/PCI-x/PCI Express slots/PClex1+1 Half Height PCIe		equivalent or better M/B based on associated Chipset with Minimum two free PCI / PCI-x/ PCI Express slots / PClex1
28		17- Graphic Processor: Intel HD or equivalent Integrated HD Graphic & sound Controller.	Requesting the dept. to update the specification as: Integrated Intel/ AMD HD Graphics & Sound Controller To enable fair and open competition.	No change
29	Specifications – O Desktop Computers (Ubuntu Operating System) PageNo .54	04- Processor Family: 11 th Generation Intel Core i5, 8 MB Cache, 4Cores, 8Threads, or equivalent or better.	Requesting the dept. to update the specification as: 11th Generation Intel Core i5, 12MB Cache, 6-Cores, 12-Threads or 5000-Series AMD Ryzen5, 19MB Cache, 6-Cores, 12-Threads or Better Processor to enable fair & open competition.	12th Generation Intel Core i5, 8 MB Cache, 4 Cores, 8 Threads, or equivalent or better.
30		07- Motherboard & Chipset: Intel Original Mother Board	Requesting the dept. to update the specification as: Intel/ AMD Chipset Motherboard with 2 x PCIe	Yes changed to Intel Original



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		or better M/B based on associated Chipset with Minimum two free PCI/ PCIx / PCI Express slots/ PCIe1 + 1Half Height PCIe	Express Slots to enable fair & open competition.	Mother Board or equivalent or better M/B based on associated Chipset with Minimum two free PCI / PCI-x/ PCI Express slots / PCIe1
31		13 - Operating System certificate: Ubuntu-Linux 20.04 LTS and declaration / certificate is to be obtained from OEM	Requesting the dept. to update the specification as: Linux Certification, As there are multiple flavors of Linux Kernels are available & asking for a single OS will restrict leading OEMs to participate.	Yes changed as Operating System certificate: Linux LTS and declaration OR certificate is to be obtained from OEM in this regard.
32		17-Graphic Processor: Intel HD or equivalent Integrated	Requesting the dept. to update the specification as: Integrated Intel/ AMD HD Graphics & Sound Controller to	No change



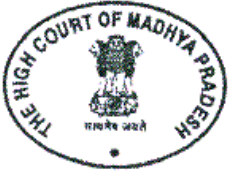
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		HD Graphic & sound Controller.	enable fair and open competition.	
33	Specification – N Page No. 53, Point no. 7	Number of core per Processor: 12 or more with each core supporting Multi Thread	<p>As you are planning to use virtualization as mentioned in Point No. 23 on Page No. 53.</p> <p>Virtualization Licenses from OEM's are Socket Based Licenses, hence instead of Option of 2x1 CPU of 12Core we would Recommend to opt for 1x24 Core Processor which will have significant saving for Virtualization Licenses required for each Server. Hence we would recommend below changes:</p> <p>Number of core per Processor: 24 or more with each core of 2.6Ghz or Higher supporting Multi Thread</p>	<p>Yes changed to 24 or more with each core of 2.0 Ghz or Higher, supporting Multi Thread.</p> <p>Accordingly, serial number 4 and 5 of Specification – N has been changed to “serial number 04- Max. Number of sockets populated with processor 1. & Serial number 05 - No. of Processor 1.</p>



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34	PageNo.53 ,Point no.10	Mem ory (DDR 4 RAM min.) (GB): 128 GB DDR 4- 2400 MHz or better	As the Technology of x86 Architecture has evolved, the current available memory speed is 3200Mhz. Kindly refer to below link for further confirmation. https://en.wikipedia.org/wiki/DDR_4_SDRAM By changing your requirement to 3200Mhz, you will ensure that all the BIDDER has to quote the Latest Processors. Hence we would recommend below changes: Memory (DDR 4 RAM min.) (GB) : 128GB DDR4-3200MHz or better	Yes change d to 128 GB DDR4- 3200 MHz or better
35	PageNo.53 ,Pointno.11	DDR 4 RAM upgra deabl e upto (Mini mum) (GB): DDR 4RA M upgra deabl e up- to (Mini mum) (TB)1 TB	As the Technology of x86 Architecture has evolved, the current Processors Supports upto 4TB RAM Per Socket. Kindly refer to below link for further confirmation. https://en.wikipedia.org/wiki/Ice_Lake_(microprocessor) https://en.wikipedia.org/wiki/Epyc By changing your requirement to 4 TB Per Socket, you will ensure that all the BIDDER has to quote the Latest Fastest Memory. Hence we would recommend changes as per below : DDR4 RAM upgradeable up to (Minimum) (GB) :DDR4RAM upgradeable up-to (Minimum)(TB) 4TBPer Socket	No change. The vendor may quote higher specific ation.
36	4 NOTICE INVITING TENDER	Time for Completion of the entire work / project "60 days"	As per the clause we would request to change the clause to 90 day as the delivery, installation and collection of buy	Time for Comple tion of the



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			back printer will take time for 228 location	entire work / project "90 days" from the date of LOA.
37	21 4.4 Warranty point no. 4.4.1	WARRANTY:- 4.4.1 The Bidder is required to provide on-site comprehensive warranty valid for 60 months for all supplied hardware item from the date of installation.	As per the clause we would request to change the comprehensive warranty to 3 years as post covid -19 availability of spares is very limited & OEM are assuring the availability of product & spares for such long duration	No change
38	21 4.4 Warranty point no. 4.4.1	WARRANTY:- 4.4.1 The Bidder is required to provide on-site comprehensive warranty valid for 60 months for all supplied hardware item from the date of installation.	As per the clause we would request to exclude following from comprehensive warranty i.e. all the power cables, connecting cables, converters, adaptor, batteries , consumables, plastic part & physical damage due to any reason for respective products asked in the RFP.	Physical damage and physical burnt will not be covered under warranty.
39	22 4.4 Warranty point no. 4.4.4	4.4.4 The bidder shall quote for comprehensive On-Site warranty and support for FIVE years, which shall become effective after the Final Acceptance Sign-off. The cost, including visits of the engineers etc. shall be quoted as part of the	As per the clause we would request to change the comprehensive warranty to 3 years as post covid -19 availability of spares is very limited & OEM are assuring the availability of product & spares for such long duration	No change



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		individual equipment prices. No separate charges shall be paid for visit of engineers or attending to faults and repairs or supply of spare parts.		
40	38 "Minimum Specifications – A" Desktop Computers (Ubuntu Operating System), point no. 4	Processor Family: Intel Core i3 Processor with Eleventh Generation or better processor	Request to please amend the clause to Intel Core i3 Processor with Tenth Generation or better processor as there is no 11 th gen i3 desktop processor launched by Intel	Intel Core i3 Processor or with 12 th Generation or equivalent or better Processor
41	39-40 "Minimum Specifications – A" Desktop Computers (Ubuntu Operating System) Brand: Dell / HP / IBM or equivalent brand of repute	Base Frequency - 2.2 Ghz or higher	Please change to 3.3 Ghz or better	Yes changed to 3.0 Ghz or better or higher.
42	39-40 "Minimum Specifications – A" Desktop Computers (Ubuntu Operating System)	Speakers - Stereo sound bar /stereo speaker (Built-In with CPU Cabinet OR Monitor).	Please amend the clause to mono speaker as no stereo speaker or sound bar comes in cabinet.	Yes changed. The vendor may quote Stereo sound bar



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	Brand: Dell / HP / IBM or equivalent brand of repute			/stereo speaker OR mono speaker s (Built-In with CPU Cabinet OR Monitor)
43	39-40 "Minimum Specifications – B" Desktop Computers (Windows Operating System) Brand: Dell / HP / IBM or equivalent brand of repute	Processor Family- Intel Core i3 Processor with Eleventh Generation or better.	Request to please amend the clause to Intel Core i3 Processor with Tenth Generation or better processor as There is no 11th gen i3 desktop processor launched by intel	Intel Core i3 Processor or with 12 th Generation or equivalent or better processor
44	39-40 "Minimum Specifications – B" Desktop Computers (Windows Operating System) Brand: Dell / HP / IBM or equivalent brand of repute	Speakers - Stereo sound bar /stereo speaker (Built-In with CPU Cabinet OR Monitor).	Please amend the clause to mono speaker as no stereo speaker or sound bar comes in cabinet.	Yes changed. The vendor may quote Stereo sound bar /stereo speaker OR mono speaker s (Built-In with CPU Cabinet OR Monitor)



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45	40-41 "Minimum Specifications – C" Computer System All-in-One with Touch screen (Windows Operating System)	Processor - 11th Generation Intel Core i7, 16 MB Cache, 8 Cores, 16 Threads with minimum 2.5 GHz or equivalent or better.	Please change to latest Intel Processor, 12th Generation Intel Core i7, 25 MB Cache, 12 Cores, 20 Threads with minimum 2.1 GHz or equivalent or better.	Yes change d to 12 th Gen. Intel Core i7, 25 MB cache, 12 Cores, 20 threads with base frequency of 2.1 Ghz or better or equivalent.
46	40-41 "Minimum Specifications – C" Computer System All-in-One with Touch screen (Windows Operating System)	Graphics Card - AMD Radeon RX 560X 4GB GDDR5 / Discrete graphic card NVIDIA GeForce GT x 1050 4, GB GDDR5 or equivalent or better.	Please check the need for Dedicated graphic card and would request to remove the same.	No change
47	41-42 "Minimum Specifications – D" Computer System All-in-One (non-touch) having Ubuntu Operating System	Processor Family:11th Generation Intel Core i3, 6 MB Cache, 4 Cores, 8 Threads, or better or equivalent.	Request to please amend the clause to Intel Core i3 Processor with Tenth Generation or better processor as There is no 11th gen I3 desktop processor launched by Intel	Intel Core i3 Process or with 12 th Generat ion 6 MB Cache, 4 Cores, 8



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				Threads , or better or equival ent.
48	41-42 "Minimum Specificatio ns – D" Computer System All- in-One (non-touch) having Ubuntu Operating System	System Memory (RAM): 8 GB, 3200 Mhz DDR- IV Memory or Higher	Request to amend the clause to: 8 GB, 2666 Mhz DDR-IV Memory or Higher	No change
49	43 "Minimum Specificatio ns – E – 1" Scanner- Flatbed & ADF	Paper Capacity: Minimum 50 sheets ADF or above	Request to please reduce the paper Capicity to 20 Sheets or above for better participation	No change
50	43 "Minimum Specificatio ns – E – 1" Scanner- Flatbed & ADF	Scan Speed : Minimum 20 pages per minute (A4 size) or higher	Request to please amend the clause to : " Scanning Speed: 25 PPM or more"	No change
51	43-44 "Minimum Specificatio ns – E – 2" Scanner- ADF with Duplex	Paper Capacity: 50 plus sheets ADF (20lb / 80g/ m2) paper	Request to amend the clause to "80 sheets or more (80 GSM)	No change
52	44 "Minimum Specificatio ns – E – 3" Scanner- ADF with Duplex	Feeder: Minimum 100 sheets of 60 g/m2	Request you to please amend the clause to: "80 Sheets (80 Gsm)	No change
53	46	BATTERY	We would request to amend the	Quote



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	“Minimum Specifications – F” - Line Interactive UPS System of 1000 VA with minimum half an hour power backup on full load	(Sealed Lead Acid Maintenance Free), Backup Time- Minimum 30 minutes, No. of Batteries- Two number of minimum 7 AH	Backup on full load mentioned in the heading as the backup of 30 min will be achieved on 1 PC load (120 W).	as per the tender. The vendor may quote higher specifications.
54	47 “Minimum Specifications – G”-- Line Interactive UPS System of 1500 VA with one minimum one hour backup on full load	BATTERY (Sealed Lead Acid Maintenance Free), Backup Time- Minimum One Hour, No. of Batteries- Two numbers of minimum 9 ah batteries (12 V, 9ahX2) of reputed make Exide / rocket / Panasonic or equivalent brand of repute.	We would request to amend the Backup on full load mentioned in the heading as the backup of one Hour will be achieved on 1 PC load (120 W).	Quote as per the tender. The vendor may quote higher specifications
55	New Point to be Added in UPS		Battery warranty should be mentioned separately as Two years only.	Yes added
56	49-50 “SPECIFICATIONS – i”, Multifunctional Device (MFD) Network Printer	St. Memory of Machine: Minimum 128 MB	Request to amend the clause to "512 MB or higher"	Changed to 512 MB or higher
57	52 “Minimum Specifications	Print /Copy Speed: 20 ppm or above (Black)	Request you to amend the clause to Draft speed: 37ppm /23ppm (Color/Mono) or more so	No change



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	ns – L” Multifunctional Printer All-In-One with Wi-Fi Inkjet-Colour printer	(A4 size) (normal) 16 ppm or above (Colour) (A4 size) (normal)	that other brand also can participate.	
58	52-53 “Minimum Specifications – M” Duplex Network Laser printer with Wi-Fi	Print Speed: Minimum 25 ppm	Request to amend the clause to "40 PPM or better"	No change
59	52-53 “Minimum Specifications – M” Duplex Network Laser printer with Wi-Fi	Memory: 128 MB RAM	Request to amend the clause to : 256 MB or better	No change
60	53-54 “Minimum Specifications – N” Servers of Reputed Make and Brand like HP/Dell/or equivalent brand of reputed	Processor Make- X86 Architecture	Kindly change it to Latest Intel 3rd Generation Processor	Yes changed to Intel 3rd Generation Processor or equivalent or better
61	53-54 “Minimum Specifications – N” Servers of Reputed Make and Brand like HP/Dell/or	Hard disk drive Capacity (GB) - 3 x 1200GB SSD Hard disk or above	On the hard drive capacity request you to please change it 1200GB SAS in place of SSD. As in the point below itself you have asked for Hard drive RPM with SAS	No change and point number 13 of <u>Specification- N</u> i.e.



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	equivalent brand of repute			Hard disk drive RPM with SAS (hot plug or better) (RPM) 10000 or better is deleted.
62	54-55 "Minimum Specifications – O" Desktop Computers (Ubuntu Operating System) Brand: Dell / HP / IBM or equivalent brand of repute	Processor Family: 11th Generation Intel Core i5, 8 MB Cache, 4 Cores, 8 Threads, or equivalent or better.	Kindly amend the clause to: 10th Generation Intel Core i5, 12 MB Cache, 6 Cores, 12 Threads, or equivalent or better.	12th Generation Intel Core i5, 8 MB Cache, 4 Cores, 8 Threads, or equivalent or better.
63	54-55 "Minimum Specifications – O" Desktop Computers (Ubuntu Operating System) Brand: Dell / HP / IBM or equivalent brand of repute	Speakers - Stereo sound bar /stereo speaker (Built-In with CPU Cabinet OR Monitor).	Please amend the clause to mono speaker as no stereo speaker or sound bar comes in cabinet.	Yes changed. The vendor may quote Stereo sound bar /stereo speaker OR mono speakers (Built-In with CPU Cabinet



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				OR Monitor)
64	55-56 "Minimum Specifications – P" Computer System All-in-One (non-touch) having Ubuntu Operating System	Processor Family: 11th Generation Intel Core i5, 12 MB Cache, 6 Cores, 12 Threads, or equivalent or better.	Kindly amend the clause to: 10th Generation Intel Core i5, 12 MB Cache, 6 Cores, 12 Threads, or equivalent or better.	12th Generation Intel Core i5, 12 MB Cache, 6 Cores, 12 Threads, or equivalent or better.
65	Page no. 37 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, Response Time 5 ms or better, Resolution – 1360 X 768 or better, TCO Displays 6.0 certified or better;	contrast ratio should be 600:1 and resolution should be 1366X768 better if we change the screen size to FHD 21.5" for better user experience	Yes changed to 21.5" or higher wide screen LED Backlit based TFTs, Contrast Ratio – 600:1 or better, Response Time 5 ms or better, Resolution – 1366 X 768 or better, TCO Displays 6.0 certified or



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				better.
66	New Point to be Added in Printer	Separate line item with specification to be added for monochrome ink tank printer	Please add new line item with specification for monochrome ink tank printer	Not required
67	Desktop Computers Ubuntu Operating System/ Section A/38	Processor : Intel Core i3 Processor with Eleventh Generation or better processor Base Frequency : 2.2 Ghz	We request Hon'ble court to change this to latest 12 th Generation with 3.3 Ghz Base frequency. As this RC is for 1 year validity, hence latest series must be added so that all OEM's are on same platform.	Intel Core i3 Process or with 12 th Generat ion or equival ent or better Process or & Base Freque ncy 3.0 Ghz or better.
68	- Same -	Motherboard & Chipset : Intel Original Mother Board or better M/B based on associated Chipset with Minimum two free PCI/ PCI-x/PCI- Express slots/ PCIe x1 + 1 Half Height PCIe	Kindly remove 1 Half height PCIe as per market standard SFF have only 2 PCI/ PCIe slots.	Yes change d to Intel Original Mother Board or equival ent or better M/B based on associat ed Chipset with Minimu m two free PCI / PCI-x/ PCI



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				Express slots / PCIe x1
69	- Same -	System Memory (RAM) : 8 GB DDR IV 2666Mhz RAM or higher	We request to change this to latest DDR IV 3200 Mhz. As per market intelligence, this is generally 20% faster.	Yes changed
70	- Same -	Expandable Memory : Upto 32 GB, at least 2 slots	Kindly upgrade this to 64 GB with 2 DIMM slots. This would help in better future expandability.	No change
71	- Same -	Screen Size & Resolution : 18.5" TFT LED Monitor (HD Resolution) or higher with TCO6 certification.	Industry has moved out to 19.5" LED monitor with TCO 9. Hence, request to upgrade this to 19.5"	Yes changed to 19.5 inch TFT LED Monitor (HD Resolution) or higher with TCO6 or higher certification.
72	Desktop Computers Windows Operating System/ Section B/39	- Same as above from Sr # 1 to 5	- Same as above from Sr # 1 to 5	Yes changed as below:-
73		Processor : Intel Core i3 Processor with Eleventh Generation or better processor Base Frequency : 2.2 Ghz	We request Hon'ble court to change this to latest 12 th Generation with 3.3 Ghz Base frequency. As this RC is for 1 year validity, hence latest series must be added so that all OEM's are on same platform.	Intel Core i3 Processor with 12 th Generation or equivalent or better



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				Process or & Base Frequency : 3.0 Ghz or better or higher.
74	- Same -	Motherboard & Chipset : Intel Original Mother Board or better M/B based on associated Chipset with Minimum two free PCI/ PCI-x/PCI- Express slots/ PCIe x1 + 1 Half Height PCIe	Kindly remove 1 Half height PCIe as per market standard SFF have only 2 PCI/ PCIe slots.	Yes changed to Intel Original Mother Board or equivalent or better M/B based on associated Chipset with Minimum two free PCI / PCI-x/ PCI Express slots / PCIe x1
75	- Same -	System Memory (RAM) : 16 GB DDR IV 2666Mhz RAM or better	We request to change this to latest DDR IV 3200 Mhz. As per market intelligence, this is generally 20% faster.	Yes changed
76	- Same -	Expandable Memory : Upto 32 GB, at least 2 slots	Kindly upgrade this to 64 GB with 2 DIMM slots. This would help in better future expandability.	No change
77	- Same -	Screen Size & Resolution :	Industry has moved out to 19.5” LED monitor with TCO 9. Hence,	Yes change



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		18.5" TFT LED Monitor (HD Resolution) or higher with TCO6 certification.	request to upgrade this to 19.5"	d to 19.5 inch TFT LED Monitor (HD Resolution) or higher with TCO6 or higher certification.
78	All-in-one with Touch Screen with Windows/Section C/40	Processor : 11th Generation Intel Core i7, 16 MB Cache, 8 Cores, 16 Threads with minimum 2.5 GHz or equivalent or better.	We propose latest & better 12 th Gen. Intel Core i7, 25 MB cache, 12 Cores, 20 threads with base frequency of 2.1 Ghz or better	Yes changed to 12 th Gen. Intel Core i7, 25 MB cache, 12 Cores, 20 threads with base frequency of 2.1 Ghz or better or equivalent.
79	- Same -	Monitor : Integrated 23" LED widescreen monitor with Touch Capabilities (FHD) (1920x1080) or above.	We request this to change as per industry standard 23.8" with multi touch capabilities.	27" LED widescreen monitor with Touch Capabilities (FHD)



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				(1920x1080) or higher or better.
80	- Same -	Graphics Card : AMD Radeon RX 560X 4GB GDDR5 / Discrete graphic card NVIDIA GeForce GT x 1050 4, GB GDDR5 or equivalent or better	Kindly change this to NVIDIA ® GeForce ® MX550 with 2 GB as 4 GB is restricting us from participation and is OEM specific.	No change. The vendor may quote higher side.
81	- Same - Page No. 41	Power : Certified with Green Peace rating of 5 and standards above (OR) any other similar rating or certification that aims at green brand PC.	Kindly remove this clause.	Yes changed
82	All-in-one with Non - Touch with Ubuntu /Section D/41	Processor Family: 11th Generation Intel Corei3, 6 MB Cache, 4 Cores, 8 Threads, or better or equivalent.	We proposed latest & better 12 th Generation Intel Core i3, 12 MB Cache, 4 Cores, 8 Threads.	Yes changed to 12 th Generation Intel Core i3, 6 MB Cache, 4 Cores, 8 Threads or better or equivalent.
83	- Same	Base Frequency : 11th Generation Intel	We request Dept. to include full processor instead of thermal processor.	Yes changed to 12 th



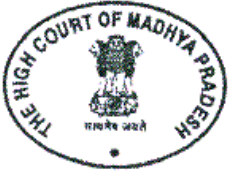
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		Core i3-10100T, 6 MB Cache, 4 Cores, 8 Threads, 2.2 Ghz or better or equivalent.	We request to include 12 th Generation Intel Core i3-12100, 12 MB Cache, 4 Cores, 8 Threads, 3.3 Ghz. This would give overall superior performance as it have higher base frequency, Max. turbo and Cache memory.	Generat ion Intel Core i3 6 MB Cache, 4 Cores, 8 Thread s, 3.0 Ghz or equival ent or better
84	- Same -	Expandable Memory : Upto 32 GB, at least 2 slots. The vendor may quote higher specifications.	We propose 64 GB memory expandability with 2 DIMM Slots.	No change
85	Desktop Computers Ubuntu Operating System/ Section O/54	Processor Family : 11th Generation Intel Core i5, 8 MB Cache, 4 Cores, 8 Threads, or equivalent or better	We proposed latest & better Intel core i5 with 12th Gen, 6 Cores, 12 threads.	12th Generat ion Intel Core i5, 8 MB Cache, 4 Cores, 8 Threads , or equival ent or better.
86	- Same -	Base Frequency : 1.50 Ghz or higher	We propose to add Intel 12400 processor with 2.5 GHz with 18 MB cache.	Base Freque ncy change to : 2.5 Ghz or higher or better
87	- Same -	System Memory (RAM) : 8 GB	We request to change this to latest DDR IV 3200 Mhz. As per	Yes change



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		DDR IV 2666Mhz RAM or higher	market intelligence, this is generally 20% faster.	d
88	- Same -	Expandable Memory : Upto 32 GB, at least 2 slots	Kindly upgrade this to 64 GB with 2 DIMM slots. This would help in better future expandability.	No change
89	Same -	Screen Size & Resolution : 18.5" TFT LED Monitor (HD Resolution) or higher with TCO6 certification.	Industry has moved out to 19.5" LED monitor with TCO 9. Hence, request to upgrade this to 19.5"	Yes changed to 19.5 inch TFT LED Monitor (HD Resolution) or higher with TCO6 or higher certification.
90	All-in-one with Non-Touch Screen with Ubuntu / Section P/56	Processor : 11th Generation Intel Core i5, 12 MB Cache, 6 Cores, 12 Threads, or equivalent or better.	We propose latest & better 12 th Gen. Intel Core i5, 18 MB cache, 6 Cores, 12 Threads	Yes changed to 12th Generation Intel Core i5, 12 MB Cache, 6 Cores, 12 Threads, or equivalent or better.
91	- Same -	Base Frequency : 2.60 Ghz or higher	We request this to change as per 12 th Gen Processor 12400 i.e. 2.5 GHz.	Yes changed to 2.5 GHz or better



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92	- Same -	Motherboard & Chipset : Intel B460 Chipset or equivalent or higher	We request to Change this to latest Q670 chipset.	Yes change d to Intel 600 series Chipset or equival ent or higher or better
93	- Same -	System Memory (RAM) : 8 GB DDR IV 2666Mhz RAM or higher	We request to change this to latest DDR IV 3200 Mhz. As per market intelligence, this is generally 20% faster.	Yes change d
94	Prices/4.6/23 4.6.1	The rate contract of all the quoted items shall be valid for the period of 01 (one) year from the date of agreement/ contract.	We request Hon'ble court to change the validity to 6 months as commercials are very volatile due to current Geo-political situation.	No change
95	Time Schedule/4 .8/23 4.8.1	The successful bidder shall complete the assignment within 60 days from the date of issue of Letter of Acceptance / Letter of Intent.	We propose to extend timelines for AIO by 90 days, for Desktop 60 days.	Time for Comple tion of the entire work / project "90 days" from the date of LOA.
96	- 4.8.2	In case the purchase order is received directly from the District Court then the period of supply and installation will	We propose to extend timelines for AIO by 90 days, for Desktop 60 days.	60 days from the date of LOA / Purchas e Order for Desktop



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		be 30 days.		Computers and 90 days for All in One.
97	E-1 Scanner - Flatbed & ADF Page No. - 43	Scan Speed - 20 pages per minute (A4 size) or higher	Suggest you to please make it as 25 pages per minute as this is industry standard scan speed in these kind of scanner Higher speed will give easy use and 25 PPM is standard speed and available with top brands	No change
98	E-1 Scanner - Flatbed & ADF Page No. - 43	Bit Depth - 24 bit colour / 48 bit colour	Suggest you to please make this as Bit Depth - 24 bit colour / 24 bit colour as 48 bit colour is for no use in document scanning and its brand specific feature Bit Depth usually use for photo scanning. In text scanning its not in much use	No change
99	E-2 Scanner - ADF with Duplex Page No. - 43	Scan Speed - 40 PPM	Suggest you to please make it as 45 pages per minute as this is industry standard scan speed in these kind of scanner Higher speed will give easy use and 25 PPM is standard speed and available with top brands	No change
100	E-2 Scanner - ADF with Duplex Page No. - 43	Paper Capacity - 50 plus sheets ADF (20lb / 80g/m ²) paper	Suggest you to please make this as 100 sheets ADF (20lb/80g/m ²) paper as this will give easy use to user and will not required to fill paper multiple times Higher paper capacity will give easy use and available in top brands	No change
101	E-3 Scanner - ADF with Duplex Page No. - 44	Minimum Daily Volume - 10000 pages per day	Request you to please make this as minimum 7000 pages per as 10000 is brand specific and department will not get competitive bids 60 ppm speed scanners usually	No change



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			comes with 6000 - 7000 daily duty cycle and available with top brands	
102	E-5 Scanner - High Speed Scanner Page No. - 45	Recommended Daily Volume - 10000 pages per day or higher	Request you to please make this as minimum 4000 pages per as 10000 is brand specific and department will not get competitive bids 10000 pages duty cycle is brand specific	No change
103	E-5 Scanner - High Speed Scanner Page No. - 45	ADF Tray Capacity - 200 sheets or higher	Request you to please make this as 100 sheets of higher 200 sheets is brand specific	No change
104	E-5 Scanner - High Speed Scanner Page No. - 45	Paper Thickness / Weight - 34 to 413 gsm	Request you to please make this as 50 to 190 gsm Higher gsm paper use only on sheet feed scanners in ADF paper move in U path. It will stuck because high thickness.	No change
105	M Multifunction Printer - Inkjet Page No. - 52	Printer Type - Laser Printer	Request you to please make this as Laser / Ink Tank - In Inktank you will get low print cost i.e. Rs. 0.12 paisa per page print cost and 12 watts power consumption during print as per ISO standard. Inktank prints are smuged free / water resistance / dry free ink Ink tank printers are easy to use with low print cost and power consumption	No change
106	M Multifunction Printer - Inkjet Page No. - 52	Printing - Automatic duplex printing - A4, Legal, Letter	Requests you to please make it as duplex printing - A4 & Letter. As in A4 segment printer legal duplex do not comes and this is brand specific feature. Legal duplex print feature always comes in A3 segment printer	No change
107	K High Speed Laser Jet Printer Page No. -	Printer Type - Laser Printer	Requests you to please make this as Laser / Ink Tank - In Ink tank you will get low print cost i.e. Rs. 0.12 paisa per page print cost and 12 watts power	No change



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	51		consumption during print as per ISO standard. Inktank prints are smuged free / water resistance / dry free ink Inktank printers are easy to use with low print cost and power consumption	
108	K High Speed Laser jet Printer Page No. - 51	Print Speed - 35 ppm or above A4 Black	Request you to please make this as 24 PPM 35 PPM is brand specific	No change
109	K High Speed Laser jet Printer Page No. - 51	Paper Capacity - 250 sheets of standard input tray, 100 sheets in multi purpose tray	Request you to please make this as 250 sheets of standard input tray, 1 sheet in multipurpose tray Multipurpose tray comes for high gsm paper use only as no use to take 100 sheets and this is brand specific	No change
110	J Heavy Duty MFD Page No. - 50	Copy / Print Process - Indirect Electrostatic Photographic Method (Dry Process) / laser technology or equivalent	Requests you to please make this as Laser / Ink Tank - In Inktank you will get low print cost i.e. Rs. 0.12 paisa per page print cost and 12 watts power consumption during print as per ISO standard. Inktank prints are smuged free / water resistance / dry free ink Inktank printers are easy to use with low print cost and power consumption	No change
111	J Heavy Duty MFD Page No. - 50	Copy Speed - Minimum 30 CPM	Request you to please make this as 23 CPM 30 CPM is brand specific	35 CPM
112	J Heavy Duty MFD Page No. - 50	Print Speed - 30 PPM	Request you to please make this as 25 PPM 30 PPM is brand specific	35 PPM
113	I Network MFD Page No. - 49	Copy / Print Process - Indirect Electrostatic Photographic	Requets you to please make this as Laser / Ink Tank - In Inktank you will get low print cost i.e. Rs. 0.12 paisa per page print cost and 12 watts power consumption	No change



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		Method (Dry Process) / laser technology or equivalent	during print as per ISO standard. Inktank prints are smuged free / water resistance / dry free ink Inktank printers are easy to use with low print cost and power consumption	
114	I Network MFD Page No. - 49	Copy Speed - Minimum 25 CPM	Request you to please make this as 23 CPM 25 CPM is brand specific	No Change
115	I Network MFD Page No. - 49	Power Stabilizer - Inbuilt / Outside	Please remove this feature as this do not comes in printers and in Inktank power consumption will be approx 30 watts Stabilizer is some brand specific feature	No Change
116	Page No 4	EMD of 4 Lac	Request to change for A3 MFD/Copier as per the value because maximum participant of Copier, quote only 1 product.	Rs.50,000/- EMD only for those bidder who are going to quote only MFD Category (specification – <u>i and j</u>) of the tender. The Turnover amount changed to Rs.50 Lakh only for those bidder who are



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				going to quote only under MFD Category (specification – <u>i and j</u>) of the tender and <u>condition no. 2.15.2</u> shall be evaluated accordingly.
117	Page no 12	Eligibility / Pre-Qualification Criteria Point no 2.15.1	Average Turnover to be amended from 5Cr to 2Cr because Maximum participant of Copier are doing only Copier sale not multiple Products.	Rs.50,000/- EMD only for those bidder who are going to quote only MFD Category (specification – <u>i and j</u>) of the tender. The Turnover amount changed to Rs.50 Lakh only for



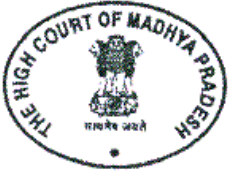
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				those bidder who are going to quote only under MFD Category (specification – <u>i and j</u>) of the tender and <u>condition no. 2.15.2</u> shall be evaluated accordingly.
118	Page No 50	Specification of MFD I-9	Std Memory to be increase from 128 MB to 2 GB or more. For Fast spooling of data.	512 MB
119	Page No 50	Specification of Heavy-Duty MFD J-8	Specification of Speed will increase from 30 CPM to 35 CPM	35 CPM
120	Page no 50	Specification of Heavy-Duty MFD J-9	Std Memory to be increase from 1 GB to 4 GB or more For Fast spooling of data	2 GB or above
121	Page no 51	Specification of Heavy-Duty MFD J-31	Asked for 2 Cassettes but not mention the paper capacity in each cassette. Kindly keep 500 sheets or more for maximum participation.	Yes changed
122	As per point No.2.5.1 Page No.8	The Cost of EMD is 4 lakh	Since we are dealing with only one product i.e. Multifunction device(MFD) The Approximate tender value will be around 25 lakh, we request you to kindly amend the same to 0.5 lakh	Rs.50,000/- EMD only for those bidder who are going to quote



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				only MFD Category (specification – <u>i and j</u>) of the tender. The Turnover amount changed to Rs.50 Lakh only for those bidder who are going to quote only under MFD Category (specification – <u>i and j</u>) of the tender and <u>condition no. 2.15.2</u> shall be evaluated accordingly.
123	As per Eligibility/ Pre qualification Criteria Point no	Average annual financial turnover of the bidder during last 3 financial years ending 31st	Since the tender value for multifunction machines is approximate 25 lakh, We request you to kindly amend the turnover criteria to 50 lakh so that the department may have maximum	Rs.50,000/- EMD only for those bidder



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	2.15.1 Page no 12	March of financial year i.e. 2020-2021 should be at least 5 crore	participation and better competition	who are going to quote only MFD Categor y (specific ation – <u>i</u> and <u>j</u>) of the tender. The Turnove r amount change d to Rs.50 Lakh only for those bidder who are going to quote only under MFD Categor y (specific ation – <u>i</u> and <u>j</u>) of the tender and <u>conditio</u> <u>n no.</u> <u>2.15.2</u> shall be evaluat ed accordi ngly.
124	As per Eligibility/ Pre	Experience in Supply, installation,	Since the market size of A3 multifunction machines (MFD) is limited and it may not be possible	Please refer above



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	qualification Criteria Point no 2.15.2 page no 12	commissioning, maintenance of servers, Desktop computers Printers, UPS System during last 5 years ending last day of month previous of the month of publication of this tender should be either of this following 1)Three similar completed works not less than the amount equal to 40% of the estimated cost. 2) Two similar Works costing not less than amount equal to 50 % of the estimated cost. 3) One similar completed work costing not less than the amount equal to 80% of the estimated cost.	for various OEMS to have single order of 1.6 Crore, hence we request you to kindly amend the same as cumulative orders accordingly considering the minimum quantity as 37 as per tender requirements in last one/two/three years.	clarification
125	Item Multifunctional Device, Network Printer- (I) Specification no 9 page no 50	Standard memory of machines- Minimum 128 MB	Since these machines will be deployed for multiple users on network, machine should have higher RAM to ensure better spooling time, and to avoid any conflict. We request Hon'ble High Court to amend the RAM as 512MB instead of 128MB	512 MB
126	Item Heavy Duty Digital Multifunctional Device - (J)	Copying Speed 30 PPM	As the Hon'ble High Court needs higher end multifunction device which will be deployed on network for high load usage. The multifunctional devices in 30PPM	35 PPM



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	Specification no 8 page no 50		are considered entry level low duty product. The duty cycle of these machines is not in line with the requirement. Hence we suggest Hon'ble High Court to amend the copying speed to 35PPM or higher instead of 30PPM	
127	Item Heavy Duty Digital Multifunctional Device - (J) Specification no 9 page no 50	Standard memory of machines- Minimum 1 GB or above	As the Hon'ble High Court needs higher end multifunction device which will be deployed on network for high load usage. RAM Plays the major role in processing the copying/printing/scanning need. In order to have trouble free operations and better spooling time we sincerely request Hon'ble High Court to amend Std Memory parameter as 4GB or more instead 1 GB.	2 GB
128	Item Heavy Duty Digital Multifunctional Device - (J) Specification no point no. 31 on page no 51	Minimum two cassette - Yes Required	Since the Hon'ble High Court is procuring Heavy duty machine where the usage is more, Cassette capacity plays major role. All OEM have multiple products in 30 PPM category. The product which is heavy duty has tray capacity of 500 sheets. Hence we request Hon'ble High Court to have amended this specification as Two Tray with capacity of 500 Sheets each.	500 sheets capacity trays.
129	Specification i (Multifunction Device(MFD) Network Printer/ Page No 49	Copying Type-Platen Cover	Should Be DADF, as this will enhance its productivity	Yes changed to DADF / ADF in place of Platen Cover.
130	Specification i (Multifunction Device (MFD)	Standard Memory- Minimum 128 MB	Please consider for 1 GB, as it will Improve capability for multitasking That will enhance productivity	512 MB or better



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	Network Printer/ Page No 50			
131	Specification J (Heavy Duty Digital Multifunction Device(MFD) Network Printer/ Page No 50	Copying Speed-30 PPM	Request to consider 40 PPM and above as another have 25 PPM in earlier Specification-i (Multifunction Device(MFD) Network and Printer . And there would not be any much difference in 30 PPM to 35 PPM	35 PPM or better
132	Specification J (Heavy Duty Digital Multifunction Device(MFD) Network Printer/ Page No 50	Standard Memory- Minimum 1 GB	Please consider for 2 GB, As it will Improve capability for multitasking That will enhance productivity	2 GB
133	Minimum Specification A For Desktop Computer (Ubuntu Operating System) page no.38 Processor family & Motherboard & Chipset	Intel core i3, 11 th generation or better processor or equivalent	As you have mentioned equivalent word against the specification. Should we consider this as either Intel Core i3 or AMD Ryzen 3 processor can be quoted. As there are only 2 Microprocessor company in the market viz Intel & AMD for Desktop & All in One Computers This clarification will help us in finalizing our offering as both the processor and their motherboards are equivalent. It will be better for price negotiation with OEMs	Refer the clarification
134	Minimum Specification B For Desktop Computer(Windows Operating System) page no.39	Intel core i3, 11 th generation or better processor or equivalent	As you have mentioned equivalent word against the specifications. Should we consider this as either Intel Core i3 or AMD Ryzen 3 processor can be quoted. As there are only 2 Microprocessor company in the market viz Intel & AMD for Desktop & All in One Computers,	Refer the clarification



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	Processor family & Motherboard & Chipset		This clarification will help us in finalizing our offering as both the processor and their motherboards are equivalent. It will be better for price negotiation with OEMs	
135	Minimum Specification C For All in One Computer(Windows Operating System)with touch screen page no.40 Processor family & Motherboard & Chipset	Intel core i7, 11 th generation or better processor or equivalent	As you have mentioned equivalent word against the specifications .Should we consider this as either Intel Core i7 or AMD Ryzen 7 processor can be quoted. As there are only 2 Microprocessor company in the market viz Intel & AMD for Desktop & All in One Computers, This clarification will help us in finalizing our offering as both the processor and their motherboards are equivalent. It will be better for price negotiation with OEMs	Refer the clarification
136	Minimum Specification D For All in One Computer(Ubuntu Operating System)with non touch screen page no.41 Processor family & Motherboard & Chipset	Intel core i3, 11 th generation or better processor or equivalent	As you have mentioned equivalent word against the specifications. Should we consider this as either Intel Core i3 or AMD Ryzen 3 processor can be quoted. As there are only 2 Microprocessor company in the market viz Intel & AMD for Desktop & All in One Computers, This clarification will help us in finalizing our offering as both the processor and their motherboards are equivalent. It will be better for price negotiation with OEMs	Refer the clarification
137	Minimum Specifications O For Desktop Computer(Ubuntu Operating System) page no.54 Processor family &	Intel core i5, 11 th generation or better processor or equivalent	As you have mentioned equivalent word against the specifications .Should we consider this as either Intel Core i5 or AMD Ryzen 5 processor can be quoted. As there are only 2 Microprocessor company in the market viz Intel & AMD for Desktop & All in One Computers, This clarification will help us in finalizing our offering as both the	Refer the clarification



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	Motherboard & Chipset		processor and their motherboards are equivalent. It will be better for price negotiation with OEMs	
138	Minimum Specification P For All in One Computer(Ubuntu Operating System)with non touch screen page no.56 Processor family & Motherboard & Chipset	Intel core i5, 11 th generation or better processor or equivalent	As you have mentioned equivalent word against the specifications. Should we consider this as either Intel Core i5 or AMD Ryzen 5 processor can be quoted. As there are only 2 Microprocessor company in the market viz Intel & AMD for Desktop & All in One Computers, This clarification will help us in finalizing our offering as both the processor and their motherboards are equivalent. It will be better for price negotiation with OEMs	Refer the clarification
139	Page no. 41 in specification of Computer System All-in-One (non-touch) having Ubuntu Operating System	Processor Family (Point no. 4) - 11 th Generation Intel Core i3, 6 MB Cache, 4 Cores, 8 Threads, or better or equivalent.	Kindly consider i3 10th Gen i3 10105	Intel Core i3 Processor with 12 th Generation 6 MB Cache, 4 Cores, 8 Threads, Base Frequency 3.0 Ghz or better or equivalent.
140	Page no. 41 in specification of Computer System All-in-One	System Memory (RAM) (Point no. 09) - 8 GB, 3200 Mhz DDR-IV Memory or Higher	Need to consider 2666 MHZ	No change



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	(non-touch) having Ubuntu Operating System			
141	Page no. 41 in specification of Computer System All-in-One (non-touch) having Ubuntu Operating System	Hard Disk (point No. 11) - 512 GB PCIe NVMe M.2 SSD or above	Need to Remove PCIe NVMe M.2 kindly consider 512 GB SSD or above	No change
142	Page no. 42 in specification of Computer System All-in-One (non-touch) having Ubuntu Operating System	Operating System certificate (Point No.13) - Ubuntu-Linux 20.04 LTS and declaration/certificate is to be obtained from OEM.	we don't have ubuntu certificate kindly consider under Taking Letter issued by OEM	Yes change d as Operating System certificate: Linux LTS and declaration OR certificate is to be obtained from OEM in this regard.
143	Page no.38 in Specification A Desktop Computers (Ubuntu Operating System)	Form Factor (Point No. 02) - Small Form Factor with Volume less than 8 Liters	Need to push for less than 10 Ltrs	No change



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144	Page no.38 in Specification A Desktop Computers (Ubuntu Operating System)	Processor Family (point No. 04)- Intel Core i3 Processor with Eleventh Generation or better processor	Kindly allow i3 10th Gen	Intel Core i3 Processor with 12 th Generation or equivalent or better Processor
145	Page no.38 in Specification A Desktop Computers (Ubuntu Operating System)	Base Frequency (Point no. 05) - 2.2 Ghz or higher	i3 10105 has 3.7 GHZ	Please refer the clarification
146	Page no.38 in Specification A Desktop Computers (Ubuntu Operating System)	Hard Disk (Point No. 11) 512 GB PCIe NVMe M.2 SSD	Push for 512 GB SATA SSD	No change
147	Page no.39 in Specification of Desktop Computers (Windows Operating System)	Form Factor (Point No. 02) small Form Factor with Volume less than 8 Liters	Need to push for less than 10 Ltrs	No change
148	Page no.39 in Specification of Desktop Computers (Windows Operating System)	Processor Family 9 Point No. 04) Intel Core i3 Processor with Eleventh Generation or better.	10th Gen	Intel Core i3 Processor with 12 th Generation or better



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	System)			or equivalent Processor.
149	Page no.39 in Specification of Desktop Computers (Windows Operating System)	Base Frequency (Point No. 04) - 2.2 Ghz or higher	i3 10105 has 3.7 GHZ	Please refer the clarification.
150	Page no. 40 Computer System All-in-One with Touch screen (Windows Operating System)	Memory – (point No. 02) - 16 GB DDR4 3200 Mhz with 2 DIMM sockets expandable upto 64 GB or higher	Need to push for 2666 MHZ	Please refer the clarification
151	Page no. 40 Computer System All-in-One with Touch screen (Windows Operating System)	Monitor – (point No.04) - Integrated 23” LED widescreen monitor with Touch Capabilities(FHD) (1920x1080) or above.	21.5 inch NON touch	27” LED widescreen monitor with Touch Capabilities (FHD) (1920x1080) or higher or better.
152	Page no. 40 Computer System All-in-One with Touch screen (Windows Operating System)	Graphics Card (point no. 08) - AMD Radeon RX 560X 4GB GDDR5 / Discrete graphic card NVIDIA GeForce GT x 1050 4, GB	Kindly consider without GRAPHICS CARD WITH AIO	Please refer the clarification



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	System)	GDDR5 or equivalent or better.		
153	Page No-38	Intel Core i3 Processor with Eleventh Generation or better processor	Request you to please add minimum 10th Generation and better	Intel Core i3 Processor or with 12 th Generation or equivalent or better Processor
154	Page No-38	2.2 Ghz or higher	only one brand have core i3 11th Gen, so please allow Core i3 10th Generation which have base Frequency 3.7GHZ	No change
155	Page No-38	Small Form Factor with Volume less than 8 Liters	Please allow less then 10LTR	No change
156	Page No-38	512 GB PCIe NVMe M.2 SSD	Request you please allow Sata SSD (NVMe is Brand specific product)	No change
157	-	-	1000 kva ups- 600 watt load minimum 30 minutes backup it requires - 17 ah - 2nos batteries	Quote as per tender document.
158	-	-	1500 kva ups- 600 watt load minimum 60 minutes backup it requires - 26 ah - 2nos batteries	Quote as per tender document.
159	-	-	battery warranty not mention	Battery warranty minimum 2 years.
160	4 NOTICE INVITING TENDER	Time for Completion of the entire work / project "60 days"	As per the clause we would request to change the clause to 90 day as the delivery, installation will take time for 228 location	Time for Completion of the entire



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				work / project "90 days" from the date of LOA.
161	21, 4.4 Warranty point no. 4.4.1	WARRANTY:- 4.4.1 The Bidder is required to provide on-site comprehensive warranty valid for 60 months for all supplied hardware item from the date of installation.	As per the clause we would request to change the comprehensive warranty to 3 years as post covid -19 availability of spares is very limited & OEM are assuring the availability of product & spares for such long duration	No change
162	21, 4.4 Warranty point no. 4.4.1	WARRANTY:- 4.4.1 The Bidder is required to provide on-site comprehensive warranty valid for 60 months for all supplied hardware item from the date of installation.	As per the clause we would request to exclude following from comprehensive warranty i.e. all the power cables ,connecting cables, converters, adaptor , batteries , consumables , plastic part & physical damage due to any reason for respective products asked in the RFP.	Physical damage and physical burnt will not be covered under warranty.
163	22, 4.4 Warranty point no. 4.4.4	4.4.4 The bidder shall quote for comprehensive On-Site warranty and support for FIVE years, which shall become effective after the Final Acceptance Sign-off. The cost, including visits of the engineers etc.	As per the clause we would request to change the comprehensive warranty to 3 years as post covid -19 availability of spares is very limited & OEM are assuring the availability of product & spares for such long duration	No change



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		shall be quoted as part of the individual equipment prices. No separate charges shall be paid for visit of engineers or attending to faults and repairs or supply of spare parts.		
164	51-52 "Minimum Specifications –K" High Speed Network Laser Jet Printer	Operating system required: Windows and Linux Ubuntu 16.04,18.04,20.04	No support for obsolete OS. Refer Canon support site for the latest OS and driver updates	Quote for the latest Ubuntu Linux and Windows OS
165	52-53, "Minimum Specifications – M" Duplex Network Laser printer with Wi-Fi	Memory: 128 MB RAM	Request to amend the clause to: 64 MB or better	No change
166	52-53, "Minimum Specifications – M" Duplex Network Laser printer with Wi-Fi	Networking: 10 Base T/100 Base Tx networking ETHERNET Connectivity ,built-in Ethernet, WiFi 802.11ac	Kindly remove the Wifi from the specification as it will increase the cost.	No change
167	52-53, "Minimum Specifications – M" Duplex Network Laser printer with	Operating System supported: Ubuntu Linux, Red hat, Windows Operating System.	No support for obsolete OS. Refer Canon support site for the latest OS and driver updates. Linux support needs to be tested	No change



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168	Wi-Fi 2.15.1 (i)	Average Annual Financial turnover of the bidder during last 3 financial years, ending 31st March of financial year i.e. 2020-2021 should be at least Rs. 05 Crore.	As the world has gone through the Covid-19 pandemic. We are fully aware that it has had an adverse effect on businesses and been very difficult for businesses to thrive under such a pandemic. I would kindly request you to re-consider the turnover criteria to minimum of 2 Crores.	Rs.50,000/- EMD only for those bidder who are going to quote only MFD Category (specification – <u>i and j</u>) of the tender. The Turnover amount changed to Rs.50 Lakh only for those bidder who are going to quote only under MFD Category (specification – <u>i and j</u>) of the tender and <u>condition no. 2.15.2</u> shall be
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				evaluated accordingly.
169	Specification – i” Multifunctional Device Printer	Copying type-Platen Cover	A user prefers scanning over printing as everything is going paperless these days. With platen cover the following process will be manually done and will need a lot of time to Scan documents. Instead With RADF option the scanning will be an easier job and time saver.	Yes changed to DADF / ADF in place of platen cover.
170	Minimum Specification – j” Heavy Duty Digital Multifunctional Device Machine	Copy speed minimum 30ppm	As per the current requirement of Specification – j”. We have found it is almost similar to specification –i”. Whereas, The minimum speed should be at least 42ppm and not 30ppm. So that it can be considered under Heavy duty Multifunctional Machine. Whereas Specification – j” needs to be a heavy duty Multifunctional Machine.	35 PPM
171	Specification – i” & Specification – j”		Minimum criteria of 2 trays should be added and Both trays capacity should be minimum of 500 pages.	For Specification-J 2 trays capacity should be minimum of 500 pages.

On the basis of queries of various bidders, the overall final technical specifications for compliance are updated / modified as under:-



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“Minimum Specifications – A”

Desktop Computers (Ubuntu Operating System)

Brand: Dell / HP / IBM or equivalent brand of repute

S. No.	Description	Specification	Specification Changed	Technical Compliance YES/NO
1	Category	Business (for work) segment (not Home Segment) (Full Commercial)		
2	Form Factor	Small Form Factor with Volume less than 8 Liters		
3	Make, Model/ Part No.	(to be given by the bidder- At the time of Technical Evaluation)		
4	Processor Family	Intel Core i3 Processor with Eleventh Generation or better processor	Intel Core i3 Processor with 12 th Generation or equivalent or better Processor	
5	Base Frequency	2.2 Ghz or higher	3.0 Ghz or better or higher.	
6	Processor Cache	As per Processor		
7	Motherboard & Chipset	Intel Original Mother Board or better M/B based on associated Chipset with Minimum two free PCI/ PCI-x/PCI-Express slots/ PCIe x1 + 1 Half Height PCIe	Intel Original Mother Board or <u>equivalent</u> or better M/B based on associated Chipset with Minimum two free PCI / PCI-x/ PCI Express slots / PCIe x1	
8	TDP (Thermal Design)	Not More than 65 W		
9	System Memory (RAM)	8 GB DDR IV 2666Mhz RAM or higher	8 GB DDR IV 3200Mhz RAM or higher	
10	Expandable Memory	Upto 32 GB, at least 2 slots		
11	Hard Disk	512 GB PCIe NVMe M.2 SSD		
12	Preloaded Operating	Ubuntu 20.04 LTS Operating System or	Ubuntu 20.04 LTS Operating System	



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	System	above (pre-loaded)	(pre-loaded) or better	
13	Operating System certificate	Ubuntu-Linux 20.04 LTS and declaration/certificate is to be obtained from OEM.	Operating System certificate: Linux LTS and declaration OR certificate is to be obtained from OEM in this regard.	
14	System Architecture	64- Bit		
15	Screen Size & Resolution	18.5 inch TFT LED Monitor (HD Resolution) or higher with TCO6 certification.	19.5 inch TFT LED Monitor (HD Resolution) or higher with TCO6 or higher 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 bar /stereo speaker (Built-In with CPU Cabinet OR Monitor).	The vendor may quote Stereo sound bar /stereo speaker OR mono speakers (Built-In with CPU Cabinet OR Monitor).	
20	Ethernet	Integrated Gigabit Ethernet Controller with Ipv6 Complaint		
21	Wireless	IEEE 802.11 AC.		
22	USB Port	4 x USB 2.0, 2 x USB 3.0/3.1 / 3.2 or better		
23	Other Ports	Mic In and Speaker Out (or headphone/microphone combo), Rj45, VGA , Display out port or HDMI out port. In case of		



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		Display port, the vendor have to provide display to HDMI converter.		
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 20.04 LTS" or better. (The vendor have to ensure that the provided hardware should be fully supported /compatible with OS)		
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 Level 2 support from OEM		
33	Service Centre	Must have Company Authorized Service Centre in Capital City / High Court Place		



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“Minimum Specifications – B”

Desktop Computers (Windows Operating System)

Brand: Dell / HP / IBM or equivalent brand of repute

S.No.	Description	Specification	Specification Changed	Technical Compliance YES/NO
1	Category	Business (for work) segment (not Home Segment) (Full Commercial)		
2	Form Factor	Small Form Factor with Volume less than 8 Liters		
3	Make, Model/ Part No.	(to be given by the bidder- At the time of Technical Evaluation)		
4	Processor Family	Intel Core i3 Processor with Eleventh Generation or better.	Intel Core i3 Processor with 12 th Generation or better or equivalent Processor	
5	Base Frequency	2.2Ghz or higher	Base Frequency : 3.0 Ghz or better or higher	
6	Processor Cache	As per Processor		
7	Motherboard & Chipset	Intel Original Mother Board or better or equivalent M/B based on associated Chipset with Minimum two free PCI/ PCI-x/PCI-Express slots/ PCIe x1 + 1 Half Height PCIe	Intel Original Mother Board or equivalent or better M/B based on associated Chipset with Minimum two free PCI / PCI-x/ PCI Express slots / PClex1	
8	TDP (Thermal Design)	Not More than 65W		
9	System Memory (RAM)	16 GB DDR-IV 2666MhzRAM or better	16 GB DDR IV 3200 Mhz RAM or better	
10	Expandable Memory	Upto 32GB, at least 2 slots		
11	Hard Disk	512 GB PCIe NVMe M.2 SSD or above		



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12	Preloaded Operating System	Windows 10 Professional version (Free upgrade to windows 11 pro) (along with all required drivers & plugging) (64 bit) or above	Windows 11 pro (along with all required drivers & plugging) (64 bit) or above	
13	Operating System certificate	Windows 11 Professional version and windows certification.		
14	System Architecture	64- Bit		
15	Screen Size & Resolution	18.5 inch TFT LED Monitor (HD Resolution) or higher with TCO6 certification.	19.5 inch TFT LED Monitor (HD Resolution) or higher with TCO6 or higher 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 bar /stereo speaker (Built-In with CPU Cabinet OR Monitor).	The vendor may quote Stereo sound bar /stereo speaker OR mono speakers (Built-In with CPU Cabinet OR Monitor).	
20	Ethernet	Integrated Gigabit Ethernet Controller with Ipv6 Complaint		
21	Wireless	IEEE 802.11 AC. The vendor may quote higher specifications.		
22	USB Port	4 x USB 2.0, 2 x USB 3.0/3.1 / 3.2		
23	Other Ports	Mic In and Speaker		



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		Out (or headphone/microphone combo), Rj45, VGA , Display out port or HDMI out port. In case of Display port, the vendor have to provide display to HDMI converter.		
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.		



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“Minimum Specifications – C”

**Computer System All-in-One with Touch screen
(Windows Operating System)**

S.No.	Description	Specification	Specification Changed	Technical Compliance YES/NO
1	Processor	11th Generation Intel Core i7, 16 MB Cache, 8 Cores, 16 Threads with minimum 2.5 GHz or equivalent or better.	12 th Gen. Intel Core i7, 25 MB cache, 12 Cores, 20 threads with base frequency of 2.1 Ghz or better or equivalent.	
2	Memory	16 GB DDR4 3200Mhz with 2 DIMM sockets expandable upto64 GB or higher		
3	DVD drive	8x DWDRW		
4	Monitor	Integrated 23” LED widescreen monitor with Touch Capabilities(FHD) (1920x1080) or above.	Integrated 27” LED widescreen monitor with Touch Capabilities (FHD) (1920x1080) or higher or better.	
5	Keyboard and Optical Mouse	Wireless Keyboard and mouse		
6	Interface	Integrated 10/100/1000, HDMI port		
7	Hard Drive	1TB 7200RPM SATA Hard drive and 512 GB PCIe NVMe M.2 SSD (primary boot) or above		
8	Graphics Card	AMD Radeon RX 560X 4GB GDDR5 / Discrete graphic card NVIDIA GeForce GT x 1050 4, GB GDDR5 or equivalent or better.	The vendor may quote higher side.	
9	Webcam	Integrated FHD Webcam must be available with 2 MP		



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10	Audio features	Stereo Sound system.		
11	Wireless	Wireless NIC 802.11 AC Mini Card and Integrated Bluetooth 4.2 or above		
12	OS	Windows 10 Professional 64 bit preloaded (Free upgrade to windows 11 pro)	Windows 11 Professional 64 bit preloaded	
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.	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.	
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		



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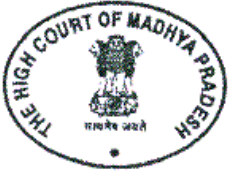
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“Minimum Specifications – D”

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

S.No.	Description	Specification	Specification Changed	Technical Compliance YES/NO
1	Category	Business (for work) segment (not Home Segment) (Full Commercial)		
2	Form Factor	All in one		
3	Make, Model/ Part No.	(to be given by the bidder- At the time of Technical Evaluation)		
4	Processor Family	11th Generation Intel Core i3, 6 MB Cache, 4 Cores, 8 Threads, or better or equivalent.	Intel Core i3 Processor with 12 th Generation 6 MB Cache, 4 Cores, 8 Threads, or better or equivalent.	
5	Base Frequency	11th Generation Intel Core i3-10100T, 6 MB Cache, 4 Cores, 8 Threads, 2.2 Ghz or better or equivalent.	12 th Generation Intel Core i3 6 MB Cache, 4 Cores, 8 Threads, 3.0 Ghz or equivalent or better	
6	Processor Cache	As per Processor		
7	Motherboard & Chipset	Intel Original Mother Board or better performance chipset for quoted processor based mother board or above		
8	TDP (Thermal Design)	Not More than 65 W		
9	System Memory (RAM)	8 GB, 3200 Mhz DDR-IV Memory or Higher		
10	Expandable Memory	Upto 32 GB, at least 2 slots. The		



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		vendor may quote higher specifications.		
11	Hard Disk	512 GB PCIe NVMe M.2 SSD or above		
12	Preloaded Operating System	Ubuntu 20.04 Operating System or above (pre-loaded).		
13	Operating System certificate	Ubuntu-Linux 20.04 LTS and declaration/certificate is to be obtained from OEM.	Operating System certificate: Linux LTS and declaration OR certificate is to be obtained from OEM in this regard.	
14	System Architecture	64- Bit		
15	Screen Size & Resolution	Non touch Screen with 21.5” (full HD Resolution) or higher with OEM certification		
16	Screen Type	Full 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	2.0 Megapixel 1080P HD Built In Webcam or Higher side		
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 ac		



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25	USB Port	4 x USB 2.0, 2 x USB 3.0/3.1 / 3.2 or better.		
26	Other Ports	Mic In and Speaker Out (or headphone/microphone combo), Rj45, Display out port or HDMI out port. In case of Display port, the vendor have to provide display to HDMI converter.		
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	20.04 LTS" or better. (The vendor have to ensure that the provided hardware should be fully supported /compatible with OS)		
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		



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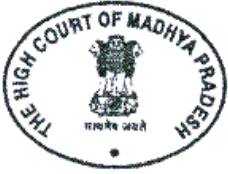
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“Minimum Specifications – E – 1”

Scanner- Flatbed & ADF

S.No.	Make & Model	Must be specified. All the relevant product brochures and manuals must be submitted	Specification Changed	Technical Compliance YES/NO
1	Scan Type	Flatbed & ADF		
2	Scan Speed	Minimum 20 pages per minute (A4 size) or higher		
3	Resolution	600 x 600 dpi or above		
4	Bit Depth	24-bit color / 48-bit color		
5	Paper Capacity	Minimum 50 sheets ADF or above		
6	Interface	USB 2.0 or above		
7	OEM Product	Original Equipment Manufacturer (OEM) Manufacture or its authorized distributors/ dealers with OEM		
8	Warranty	5 Years on site Comprehensive Warranty support with Level 1 Support from bidder and Level2 support from OEM		
9	Service Centre	Must have Company Authorized Service Centre in Capital City / High Court Place		



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10	Operating System	The scanner should support both Windows and Linux Operating System.		
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“Minimum Specifications – E – 2”

Scanner- ADF with Duplex

S.No.	Make & Model	Must be specified. All the relevant product brochures and manuals must be submitted	Specification Changed	Technical Compliance YES/NO
1	Scan Type	ADF		
2	Scan Speed	Minimum 40 ppm		
3	Resolution	600 x 600 dpi or above		
4	Duplex Scanning	Automatic		
5	Paper Capacity	50 plus sheets ADF (20lb / 80g/ m2) paper		
6	Interface	USB 2.0 or compatible		
7	OEM Product	Original Equipment Manufacturer (OEM) Manufacture or its authorized distributors/ dealers with OEM		
8	Warranty	5 Years on site Comprehensive Warranty support with Level 1 Support from bidder and Level2 support from OEM		
9	Service Centre	Must have Company Authorized		



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		Service Centre in Capital City / High Court Place		
10	Operating System	The scanner should support both Windows and Linux Operating System.		

“Minimum Specifications – E – 3”

Scanner- ADF with Duplex

S. No.	Specifications	Description	Specification Changed	Technical Compliance YES/NO
1	Minimum Daily Volume	10,000 pages per day		
2	Throughput Speed	Up to 60 ppm/120 ipm		
3	Optical Resolution	600 dpi or better		
4	Illumination	Dual led technology or better technology.		
5	Output resolution	100, 200, 300, 400, 600 dpi or above		
6	Paper Thickness and Weight	40-210 g/m ² paper		
7	Feeder	Minimum 100 sheets of 60 g/m ²		
8	Multi-feed Detection	With ultrasonic technology or better.		
9	Connectivity	USB 2.0 or better		
10	Bundled Software	TWAIN, ISIS, 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		



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		adjustment; automatic orientation; automatic color detection; background color smoothing or equivalent.		
12	File format Outputs	Single and multi-page TIFF, JPEG, PDF, searchable PDF and PDF/A advance or equivalent		
13	Operating System	The scanner should support both Windows and Linux Operating System.		

“Minimum Specifications – E – 4”

Scanner- ADF with Duplex

S. No.	Specifications	Description	Specification Changed	Technical Compliance YES/NO
1	Minimum Daily Volume	4000 pages per day		
2	Throughput Speed	50 ppm / 100 ipm		
3	Optical Resolution	600 dpi		
4	Illumination	Dual led / 3 color RGB led or equivalent / better technology		
5	Output resolution	100, 200, 300, 400, 600, dpi or above		
6	Paper Thickness and Weight	40 – 210 g/m ²		
7	Feeder	Minimum 60 – 80 sheets		
8	Multi-feed Detection	With ultrasonic technology or better technology.		
9	Connectivity	USB 2.0 or better		
10	Bundled Software	TWAIN, ISIS or equivalent 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:		



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		aggressive cropping; electronic color dropout; dual-stream scanning; interactive color, brightness and contrast adjustment; automatic orientation; automatic color detection; background color smoothing <u>or</u> equivalent.		
12	File format Outputs	Single and multi-page TIFF, JPEG, PDF, searchable PDF and PDF/A advance		
13	Operating System	The scanner should support both Windows and Linux Operating System.		

“Minimum Specifications – E – 5”
High Speed Scanner

Sr. No	Parameter	Minimum required technical specifications	Specification Changed	Technical Compliance YES/NO
1	Make and Model No.	Exact details to be provided by the bidder with its official brochure)		
2	Scanning Options	Color, Grayscale, Black & White (Lineart) etc.		
3	Scanner Type	ADF Auto Duplex Scanning with Integrated Flatbed		
4	Recommended Daily Volume	10,000 pages per day or higher		
5	Throughput Speeds (200 dpi landscape, letter-size, black-and-white, grayscale, color)	60 PPM		
6	Scanning Technology	CCD/ CIS scanning technology or better.		
7	Optical Resolution	600 dpi		
8	Output resolution	100 to 600 DPI,		



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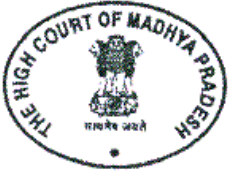
9	Maximum Document Size	A4, Letter, FS, post card, Envelop and other pages etc.		
10	ADF Tray Capacity	200 sheets or better.		
11	Connectivity	USB 2.0 or higher		
12	Imaging Features (in the scanner)	Automatic Image Orientation, Blank Page Removal, Automatic Crop & De-Skew, Image enhancement, batch separation, document merge		
13	File Format Outputs	Single and multi-page TIFF, JPEG, PDF, searchable PDF/A & PDF.		
14	Environmental Factors	ENERGY STAR qualified scanners; Operating temperature: 15-32.5° C; Operating humidity: 15% to 80% RH		
15	Supporting Drivers and Bundle Software	TWAIN, ISIS, SANE, Windows Imaging Architecture Drivers, Scanning Software or equivalent or better		
16	Supporting Operating System	Windows 10, Windows 8.1 Pro (32 bit & 64 bit), Linux Ubuntu 16.04, 18.04,20.04		
17	Hardware Drivers	Supplier to provide latest drivers for Ubuntu-Linux OS		
18	Paper Thickness/Weight	Weight: 34 to 413 gsm		
19	Other features required	Multi feed Detection (Required to stops double feeding), Mixed Document Feeding (Diff. Size & Thickness Fed Together), Crushed pages scan		
20	Certificates	ISO, Energy Star etc.		

“Minimum Specifications – F”

Line Interactive UPS System of 1000 VA with minimum half an hour power backup on full load

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

S. No	Specifications	Description	Specification Changed	Technical Compliance YES/NO
1	Capacity /	Rating (VA)	UPS 1000 VA /	



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	Rating		600 Watts		
2	MAINS	Input Voltage Range (VAC)	160-280		
		Input Frequency	45-55Hz		
		Output Voltage	190-253VAC		
3	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		
4	BATTERY (Sealed Lead Acid Maintenance Free)	Backup Time	Minimum 30 minutes		
		No. of Batteries	Two number of minimum 7 AH batteries (12 V, 7 ahX2) of reputed make like Exide / quanta / rocket / Panasonic or equivalent brand of repute.	The vendor may quote higher specifications.	
		Recharge Time	6-8 hrs for 90% Charge		
5	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		



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

“Minimum Specifications – G”

Line Interactive UPS System of 1500 VA with one minimum one hour backup on full load

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

S.No	Specifications	Description	Specification Changed	Technical Compliance YES/NO
1	Capacity / Rating	Rating (VA)	UPS 1500 VA / 600Watt	
2	MAINS	Input	160-280	



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		Voltage Range (VAC)			
		Input Frequency	45-55Hz		
		Output Voltage	190-253VAC		
3	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		
4	BATTERY (Sealed Lead Acid Maintenance Free)	Backup Time	Minimum One Hour		
		No. of Batteries	Two numbers of minimum 9 ah batteries (12 V, 9ahX2) of reputed make Exide / rocket / Panasonic or equivalent brand of repute.	The vendor may quote higher specifications	
		Recharge Time	6-8 hours for 90% Charge		
5	OTHERS	Indicators	ON Mains/ Mains Fail/ ON BATT/ Low BATT/ FAULT-OVERLOAD		
		Alarm	Fault-Overload / Replace Battery /		



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			Mains Fail / Low Battery		
		Over Load Protection	Yes required		
		Cold Start	Yes required		
		AC Surge Protection	Yes required		
6	Certifications	ISO 9001, ISO 14001 certificate and BIS certificate	Yes required		
7	OEM Product	Original Equipment Manufacturer (OEM) or its authorized distributors/dealers with OEM			
8	Warranty	5 Years on site Comprehensive Warranty support with Level 1 Support from bidder and Level2 support from OEM			
9	Service Centre	Must have Company Authorized Service Centre in Capital City / High Court Place			

“Minimum Specifications – H”

UPS 5 KVA (ONLINE) with minimum one hour backup

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

S.No.	Parameter	Minimum specification required	Specification Changed	Technical Compliance YES/NO
1	Product certification	ISO 9001-2000, ISO 14001 certified and BIS certificate		
2	Type	Online		
3	Capacity required	5 KVA		
4	Minimum VAH required	8060 VAH or above		
5	Switchover/ Transfer Time	<4 ms in synch mode, <10 ms in un synch mode		
6	Input Power	230V AC +/- 20%,		



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		Single phase		
7	Input Frequency	0.8 or higher		
8	Input Power factor	0.75 or higher		
9	Output Power	Single phase 230V AC, +/- 1%,		
10	Output Frequency	50 Hz, +/- 2%		
11	Overall efficiency	>90%		
12	Total Harmonic Distortion	<3% THD		
13	Battery recharge time	< 8 hours for 90% of total AH capacity		
14	Battery back-up time at full load	Minimum one Hour Battery Backup at full-load.		
15	Batteries	Valve Regulated Lead Acid (VRLA) Sealed Maintenance free batteries with enclosure of reputed make like Exide/ Panasonic/ Amron Quanta.		
16	Voltage regulator	Built-in		
17	Bypass switch	Dynamic bypass switch, built-in		
18	RFI & EMI Filter	Built-in		
19	Inverter Overload	125% for 10 minutes, 150% for 10 secs.		
20	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.		
21	Event management function	Capable to record historical data, events and send		



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		event details through email, SNMP compatible		
22	Network Interface port	1 no. 10/ 100 Mbps port for UPS monitoring on Network		
23	Display meters on UPS	Voltmeter, Ammeter, Frequency meter, Battery Voltage & Current, Load Utilization Percentage		
24	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.		
25	Cabinet enclosure and	Fire resistant, Metallic enclosure, Corrosion resistant or equivalent		
26	Battery Cabinet	Battery cabinet for safety of batteries.		
27	OEM Product	Original Equipment Manufacturer (OEM) Manufacture or its authorized distributors/ dealers with OEM		
28	Warranty	5 Years on site Comprehensive Warranty support with Level 1 Support from bidder and Level2 support from OEM		
29	Service Centre	Must have Company Authorized Service Centre in Capital City / High Court		



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	Place		
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“SPECIFICATIONS – i”

Multifunctional Device (MFD) Network Printer

S.No.	Specifications	Description	Specification Changed	Technical Compliance YES/NO
	Minimum Specifications			
1	Copying Type	Platen cover.	DADF / ADF	
2	Scan Once Print Many	Yes Required		
3	Copy/Print Process	Indirect Electrostatic Photographic Method (Dry Process) / laser technology or equivalent		
4	Copying Resolution	600 x 600 dpi or better		
5	Scanning Resolution	600 x 600 dpi or better		
6	Printing Resolution	600 x 600 dpi or better		
7	Copying Speed	Minimum 25 CPM		
8	Std Memory of machine	Minimum 128 MB	512 MB or higher	
9	First Copy Out Time	Less than 9 sec		
10	Multiple Copying	Up to 99 Copies		
11	Reduction/Enlargement	From 25% to 400%		
12	Image Density Control	Text-Photo / Text		
13	Power Stabilizer	Inbuilt / out side		
14	PRINT (auto-duplex unit)			
15	Std Printer	GDI Printing /PCL5e/ PCL6/ XPS or better		
16	Print Speed	Minimum 25 PPM		
17	Interface	High Speed USB 2.0		
18	Network Interface and protocol	10 Base-T / 100 Base-TX , TCP / IP Protocol		



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19	Paper type	A3, A4, Legal etc.		
20	Operating Systems	Should support Windows , Linux Operating System, SUSE Operating Systems		
21	SCANNER			
22	Std Scan	TWAIN compliant , Scan to PC, from ADF or platen		
23	Resolution	300 dpi , 600 dpi		
24	Interface	High Speed USB 2.0 /3.0		
25	Output format	Tiff, pdf , PDF-A with advance scanning options and output		
26	Energy Star compliance / BIS certified	Yes required		

“Minimum Specifications – J”

Heavy duty Digital Multifunctional Device (MFD) Machine

S.No.	Specifications	Description	Specification Changed	Technical Compliance YES/NO
	Minimum Specification			
1	Copying Type	Automatic document feeder (ADF)		
2	Platen Cover	Reverse Automatic Document Feeder (RADF)		
3	Scan Once Print Many	Yes Required		
4	Copy/Print Process	Indirect Electrostatic Photographic Method (Dry Process) / laser technology or		



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		equivalent		
5	Copying Resolution	600 x 600 dpi or better		
6	Scanning Resolution	600 x 600 dpi or better		
7	Printing Resolution	600 x 600 dpi or better		
8	Copying Speed	Minimum 30 CPM	35 CPM or better	
9	Std Memory of machine	Minimum 1 GB or above	2 GB or above	
10	First Copy Out Time	Less than 9 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 / out built		
15	Print (Auto duplex unit)			
16	Std Printer	GDI Printing		
17	Print Speed	Minimum 30 PPM	35 PPM or better	
18	Interface	USB 2.0 / USB 3.0		
19	Network Interface and protocol	10 Base-T / 100 Base-TX , TCP / IP Protocol		
20	Paper type	A3, A4, Legal etc.		
21	Operating Systems	Should support Windows , Linux Operating System, SUSE Operating Systems		
22	SCANNER			
23	Std Scan	TWAIN compliant , Scan to PC, Email and FTP		
24	Resolution	300 dpi, 600 dpi or better		
25	Interface	High Speed USB 2.0 / 3.0		
26	Output format	Tiff, pdf with advance scanning options and output		
27	OEM Product	Original		



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		Equipment Manufacturer (OEM) Manufacture or its authorized distributors/ dealers with OEM		
28	Warranty	5 Years on site Comprehensive Warranty support with Level 1 Support from bidder and Level2 support from OEM		
29	Service Centre	Must have Company Authorized Service Centre in Capital City/ High Court Place		
30	Energy star certified / BEE Certified / BIS certified	Yes Required		
31	Minimum two cassettes/ Machine must have two cassettes	Yes Required	Paper capacity in each cassette 500 sheets or more	

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

S. No.	Specifications	Description	Specification Changed	Technical Compliance YES/NO
1	Print Speed	35 ppm or above (Black) (A4 size)		
2	First page out	Less than 10 sec		
3	Resolution	600 X 600 DPI or above		
4	Memory	512 MB		
5	Network Interface	10/100/1000 Mbps Ethernet interface		
6	Duplex	Automatic Duplex capability		
7	Paper Capacity	250 sheets on		



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		standard input tray, 100 sheets on multipurpose tray		
8	Operating system required	Windows and Linux Ubuntu 16.04,18.04,20.04	Quote for the latest Ubuntu Linux and Windows OS	
9	Monthly Duty Cycle	80,000 copies		
10	Interface	Parallel or High Speed USB 2.0 with cable		
11	Energy star/ BEE Certified / BIS 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

S. No.	Features	Print, copy , Scan & Fax	Specification Changed	Technical Compliance YES/NO
1	Print /Copy Speed	20 ppm or above (Black) (A4 size) (normal) 16 ppm or above(Colour) (A4 size)		



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		(normal)		
2	Resolution	600x600 or above.		
3	Paper Capacity	250 sheets on standard input tray or above		
4	Scan	Flatbed and ADF scan (Both)		
5	Interface	USB 2.0 with cable		
6	Duplex	Automatic		
7	Energy Star / BEE certification / BIS certificate	Yes required		
8	OEM Product	Original Equipment Manufacturer (OEM) Manufacture or its authorized distributors/ dealers with OEM		
9	Warranty	5 Years on site Comprehensive Warranty support with Level 1 Support from bidder and Level2 support from OEM		
10	Service Centre	Must have Company Authorized Service Centre in Capital City / High Court Place		

“Minimum Specifications – M”

Duplex Network Laser printer with Wi-Fi

S.No.	Items	Minimum Specifications	Specification Changed	Technical Compliance YES/NO
1	Print Speed	Minimum 25 ppm		
2	Resolution	600 x 600 dpi and above		
3	Memory	128 MB RAM		
4	duty cycle	Minimum 8000 pages per month		
5	Port	High Speed USB port		
6	Networking	10 Base T/100 Base Tx networking ETHERNET Connectivity ,built-in Ethernet, WiFi 802.11ac		
7	Printing	Automatic Duplex printing : A4, LEGAL, LETTER		
8	Operating System	Ubuntu Linux, Red hat , Windows Operating	Ubuntu Linux and Windows	



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	supported	System	operating system	
9	Energy star/ BEE Certified / BIS 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 like HP/Dell/or equivalent brand of repute

S.No.	Parameter	Detailed Specifications	Specification Changed	Technical Compliance YES/NO
1	Form Factor	Rack Mount (Maximum 2U)		
2	Processor Make	X86 Architecture	Intel 3rd Generation Processor or equivalent or better	
3	Max. Number of sockets available on chipset	2		
4	Max. Number of sockets populated with processor	2	Max. Number of sockets populated with processor 1.	
5	No. of Processor	2	No. of Processor 1.	
6	Processor Configuration	64-bit x86 processor"		
7	Number of core per	12 or more with	24 or more	



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	Processor	each core with each supporting Multi Thread	each core of 2.0 Ghz OR Higher, supporting Multi Thread	
8	Chipset compatible with CPU	Yes		
9	Motherboard (OEM compatible with CPU)	OEM		
10	Memory (DDR4 RAM min.) (GB)	128 GB DDR4-2400 MHz or better	128 GB DDR4-3200 MHz or better	
11	DDR4 RAM upgradeable upto (Minimum) (GB)	DDR4 RAM upgradeable upto (Minimum) (TB) 1 TB	The vendor may quote higher specification.	
12	Hard disk drive Capacity (GB)	3 x 1200GB SSD Hard disk or above		
13	RAID Controller Caches (MB)	1000		
14	RAID Controller	RAID 0, 1 & 5		
15	RAID Controller Ports	8		
16	Video Controller (support VGA or above resolution)	Yes with minimum 4GB GDDR5 Dedicated buffer memory having memory bandwidth of atleast 80 GBPS.		
17	Keyboard	Yes required		
18	Mouse	Yes required		
19	Monitor	Yes required	Screen with 21.5" (Full HD Resolution) or higher with OEM certification	
20	Bays (min. 2 internal or more hot plug)	Yes required		
21	USB Ports (version 2.0/3.0)	4		
22	Certifications, Compliance & support by Windows	Latest version of Windows,		



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		Linux & Ubuntu OS (32 Bit & 64 Bit both) and all Industry Standard Virtualization Software. Root of Trust security enabled.		
23	DVD ROM (or better)	External USB		
24	Networking: dual LAN(10/100/1000)network card with asset feature tracking & security management, remote wakeup	Server should configure with Dual 1G Ports & dual 10G Ports (10GBASE-T)		
25	Power Management	Remote Management of Server over LAN & WAN with SSL encryption. Server health logging.		
26		Should have virtual Media support with all required licenses. Remoter power On/ Shutdown of server.		
27	Redundant Power Supply	Yes		
28	Server scalability to be achieved within the box & without adding nodes	Yes, Adding more resources to Server.		
29	BIS Registration no. under CRS of Deity	Yes		
30	Declare max. power consumption of the system	Yes		
31	Availability of documentary evidence in support of model quoted in commercial production & due evaluation completed	Yes documentary evidence in support of model quoted in commercial is required.		



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32	Details of bench mark indices with software & diagnostic software used to test server.	Current SPEC CPU 2017 Ratings is to be quoted by the bidder.		
33	Server main supply	200V to 230V		
34	CE or UL certified or Ertl/Etdc certified for safety (IEC- 60950-1)	Yes		
35	RoHS Compliance	Yes		
36	Warranty (years)	5 Years 24 x 7 support with 4 Hours Response Time		
37	HDD Retention	Faulty HDD will not be returned to vendor		

“Minimum Specifications – O”

Desktop Computers (Ubuntu Operating System)

Brand: Dell / HP / IBM or equivalent brand of repute

S.No.	Description	Specification	Specification Changed	Technical Compliance YES/NO
1	Category	Business (for work) segment (not Home Segment) (full commercial)		
2	Form Factor	Small Form Factor with Volume less than 8 Liters		
3	Make, Model/ Part No.	(to be given by the bidder- At the time of Technical Evaluation)		
4	Processor Family	11th Generation Intel Core i5, 8 MB Cache, 4 Cores, 8 Threads, or equivalent or better.	12th Generation Intel Core i5, 8 MB Cache, 4 Cores, 8 Threads, or equivalent or better.	
5	Base Frequency	1.50 Ghz or higher	2.5 Ghz or higher or better	
6	Processor Cache	As per Processor		
7	Motherboard	Intel Original Mother	Intel Original	



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	& Chipset	Board or better M/B based on associated Chipset with Minimum two free PCI/ PCI-x/PCI-Express slots/ PCIe x1 + 1 Half Height PCIe	Mother Board or equivalent or better M/B based on associated Chipset with Minimum two free PCI / PCI-x/ PCI Express slots / PCIe x1	
8	TDP (Thermal Design)	Not More than 65 W		
9	System Memory (RAM)	8 GB , 2666 Mhz DDR-IV Memory or Higher	8 GB DDR IV 3200 Mhz RAM or higher	
10	Expandable Memory	Upto 32 GB, at least 2 slots		
11	Hard Disk	512 GB PCIe NVMe M.2 SSD or above		
12	Preloaded Operating System	Ubuntu 20.04 Operating System (pre-loaded).	Ubuntu 20.04 Operating System (pre-loaded) or better	
13	Operating System certificate	Ubuntu-Linux 20.04 LTS and declaration/ certificate is to be obtained from OEM.	Operating System certificate: Linux LTS and declaration OR certificate is to be obtained from OEM in this regard.	
14	System Architecture	64- Bit		
15	Screen Size & Resolution	18.5 inch TFT LED Monitor (HD Resolution) or higher with TCO6 certification.	19.5 inch TFT LED Monitor (HD Resolution) or higher with TCO6 or higher certification.	
16	Screen Type	HD Wide Screen Backlit		



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		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 bar /stereo speaker (Built-In with CPU Cabinet OR Monitor).	The vendor may quote Stereo sound bar /stereo speaker OR mono speakers (Built-In with CPU Cabinet OR Monitor).	
20	Ethernet	Integrated Gigabit Ethernet Controller with Ipv6 Complaint		
21	Wireless	IEEE 802.11 AC		
22	USB Port	4 x USB 2.0, 2 x USB 3.0/3.1 / 3.2.		
23	Other Ports	Mic In and Speaker Out (or headphone/microphone combo), VGA, Display out port or HDMI out port. In case of Display port, the vendor have to provide display to HDMI converter.		
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 / updated		
26	EPEAT Certified	Yes Required		
27	Power Management	ACPI Complaint		
28	USB Ports Security	USB Port Disable (through BIOS)		
29	Security	optional		



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	Lock			
30	Hardware Drivers	Vendor to provide for Ubuntu –Linux 20.04 LTS" or better. (The vendor have to ensure that the provided hardware should be fully supported /compatible with OS)		
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

S.No.	Description	Specification	Specification Changed	Technical Compliance YES/NO
1	Category	Business (for work) segment (not Home Segment)(full commercial)		
2	Form Factor	All in one		
3	Make, Model/ Part No.	(to be given by the bidder- At the time of Technical Evaluation)		
4	Processor Family	11th Generation Intel Core i5, 12 MB Cache, 6 Cores, 12 Threads, or equivalent or better.	12th Generation Intel Core i5, 12 MB Cache, 6 Cores, 12 Threads, or equivalent or better.	
5	Base Frequency	2.60Ghz or higher	2.5 GHz or better	



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6	Processor Cache	As per Processor		
7	Motherboard & Chipset	Intel B460 Chipset or equivalent or higher	Intel 600 series Chipset or equivalent or higher or better	
8	TDP (Thermal Design)	Not More than 65 W		
9	System Memory (RAM)	8 GB DDR4 3200Mhz with 2 DIMM sockets expandable upto64 GB or higher		
10	Expandable Memory	Upto 32 GB, at least 2 slots		
11	Hard Disk	512 GB PCIe NVMe M.2 SSD or above		
12	Preloaded Operating System	Ubuntu 20.04 Operating System (pre-loaded).	Ubuntu 20.04 Operating System (pre-loaded) or better	
13	Operating System certificate	Ubuntu-Linux 20.04 LTS and declaration/certificate is to be obtained from OEM.	Operating System certificate: Linux LTS and declaration OR certificate is to be obtained from OEM in this regard.	
14	System Architecture	64- Bit		
15	Screen Size & Resolution	Non touch Screen with 21.5” (Full HD Resolution) or higher with OEM certification		
16	Screen Type	Full HD Wide Screen Backlit LED Anti-Glare Display		
17	Graphic Processor	Intel HD or equivalent Integrated HD Graphic & sound Controller.		
18	Monitor	Vesa Screws Cover for		



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	Mounting Support	Wall Mount (OPTIONAL)		
19	Web Camera	2.0 Megapixel HD Built In Webcam or Higher side		
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 ac		
25	USB Port	4 x USB 2.0, 2 x USB 3.0/3.1 / 3.2 or better		
26	Other Ports	Mic In and Speaker Out (or headphone/microphone combo), Display out port or HDMI out port. In case of Display port, the vendor have to provide display to HDMI converter.		
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 20.04 LTS" or better. (The vendor have to ensure that the provided hardware should be fully supported		



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		/compatible with OS)		
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		

18.5” or higher wide screen LED Backlit based TFT Monitor

S.No.	Description	Specification	Specification Changed	Technical Compliance YES/NO
1.	18.5” or higher wide screen LED Backlit based TFT Monitor (point no. 17 on page number 37)	18.5” or higher wide screen LED Backlit based TFTs, Contrast Ratio – 1000:1 or better, Response Time 5 ms or better, Resolution – 1360 X 768 or better, TCO Displays 6.0 certified or better;	21.5” or higher wide screen LED Backlit based TFTs, Contrast Ratio – 600:1 or better, Response Time 5 ms or better, Resolution – 1366 X 768 or better, TCO Displays 6.0 certified or better.	

Note:-All of the above specifications should be read as equivalent or better/ higher side. The vendor may quote equivalent or better specifications and please mention the same in compliance column of above mentioned tables.



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1. All the pages of the bids and Annexure's are to be sealed and signed by the authorized officers of the company / vendor.
2. The bidder at the time of filling of technical compliance sheet should fill the details as mentioned above in the clarifications (revised tables).
3. The bidder has to quote only 01 product of single make / brand at a time and not multiple brands for same line item.
4. The Original equipment manufacturer (OEM) may authorize more than one partner for participation in the bid.
5. Back-to-Back support letter is to be submitted by OEM regarding support and service of the quoted products.
6. The Registrar General, High Court of Madhya Pradesh has full rights to accept or reject any bid, without assigning any reason.
7. The Registrar General, High Court of Madhya Pradesh have right to alter the scope of work as per the requirement.
8. All Prospective bidders are requested to submit the bid with all relevant documents and product brochures / catalogues in sequenced manner.
9. If any variations in specifications then please mention the same in compliance sheet.
10. The above clarifications / addendum are for all the prospective bidders' for tender reference and necessary action.
11. **The submission of hardcopy of EMD (original) is compulsory along with the technical bid.**
12. On introduction of new levy / taxes / duties the rate / price of items shall be changed in same proportionate.



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13. Tender condition no. **2.5 EARNEST MONEY DEPOSIT (EMD)**
2.5.1 changed to:- The proposal should be submitted along with online application fee of Rs.5,000/- (Rs. Five Thousand only) and Earnest Money Deposit (EMD) of Rs.4,00,000/- (Rupees Four Lakh only). The EMD of Rs.50,000/- (Rupees Fifty Thousand Only) in case where the bidder is only quoting the MFD under the specification-i and J of the tender document. The EMD to be submitted in the form of demand draft / pay order / FDR / unconditional Bank Guarantee drawn in favour of “**Registrar General, High Court of Madhya Pradesh, Jabalpur**” of any Nationalized / Scheduled bank payable at **Jabalpur**. **The photocopy of the said EMD is to be attached / enclosed** in the tender portal i.e. www.mptenders.gov.in. The Bid submitted without EMD and/or the application fee shall be summarily rejected.
14. **The firms registered under NSIC and MSME (The vendor to be registered with both NSIC and MSME for claiming exemption of tender fees) are exempted for submission of tender fees only. But they have to submit valid EMD as per the tender requirement.**
15. **Before submission of online tender fees and EMD please contact 0120-4001 002; 0120-4200 462; 0120-4001 005 & 0120-6277 787.**
16. **The decision of the High Court in selection / finalization of items / products shall be final and no objection in this regard shall be entertained.**



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17. All future clarification / corrigendum shall be made available in the official website of the High Court.
18. The date of online tender submission is extended to 06th July, 2022 before 06:00 P.M. (mandatory); hardcopy of tender submission is to be made upto 07th July, 2022 before 05:00 P.M. (mandatory) and opening of technical bids is on 08th July, 2022 at 11:00 A.M.

Sd/-

REGISTRAR GENERAL