



NATIONAL INSTITUTE OF TECHNOLOGY SIKKIM

Ravangla Campus, Barfung, South Sikkim 737139

www.nitsikkim.ac.in/

INVITATION OF TENDERS/BIDS

Tender No: 24/NITS /CSE-Dept/ICTI-Items/2017-18/Tender-01, Date: 20/07/2017

SUPPLY & INSTALLATION OF DESKTOPS, PRINTERS, PHOTOCOPY MACHINES AND PAGE SHREDDER AT NIT SIKKIM

TENDER SUMMARY			
Bid System	Two Bid Open Tender		
Closing Date & Time for submission of bid	21 st August, 2017, 5:00PM		
Opening Date & Time of technical bid (TENTATIVE)	23 rd August, 2017, 11:00 AM (Opening Date & Time of price bid will be informed later <i>only to Technically qualified bidders.</i>)		
Place of opening of bid	ICT Room, National Institute of Technology Sikkim, Ravangla Campus, South Sikkim, 737139		
Bid should be addressed to	FIICTI, National Institute of Technology Sikkim Ravangla Campus, South Sikkim 737139.		
Tender Fees (non-refundable)	Rs. 500/- (Rupees Five Hundred, in the form of a Demand Draft drawn in favour of "DIRECTOR, NIT Sikkim" payable at Ravangla, South Sikkim)		
Earnest Money Deposit (EMD) (Non-interest bearing)	SI. No.	Item	EMD Value (₹)
	1	Desktops	₹ 2,50,000/-
	2	Printers and Photocopy Machines	₹ 15,000/-
	3	Page Shredder	₹ 2,500/-
The EMD as mention in the above table should be made in the form of a Demand Draft drawn in favour of "DIRECTOR, NIT Sikkim" payable at Ravangla, South Sikkim, and valid for a period of 45 days beyond the final bid validity period.			

National Institute of Technology (NIT) Sikkim, Ravangla, South Sikkim invites sealed tenders from reputed manufacturers or their authorized Indian Agents/representatives, on the terms and conditions as per tender document, for procurement of following item(s):

Group No.	Brief description of Items	Quantity	Installation required, if any	Place of Delivery
1	Desktop (CPU+ Monitor + Keyboard + Mouse, detailed specification is attached as Annexure-A)	150 Set	Yes	NIT Sikkim
2	i) All in One Printer (detailed specification is attached as Annexure-B)	10 Pcs	NA	
	ii) Normal B/W Printer (detailed specification is attached as Annexure-C)	10 Pcs	NA	
	iii) Photocopy machine (detailed specification is attached as Annexure-D)	1 Pc	Yes	
3	Page Shredder (detailed specification is attached as Annexure-E)	10 Pcs	NA	

The bidders are requested to read the tender document carefully and ensure compliance with all specifications/ instructions herein. Noncompliance with specifications/ instructions in this document may disqualify the bidders from the tender process.

The Institute reserves the right to accept or reject any quotations or to select the item or to reject the bidding process or any quotation wholly or partly without assigning any reason. Incomplete tenders, amendments and additions to tender after opening or late tenders are liable to be ignored and rejected.

Instructions to Bidders

1. **Tender Fee:** A Demand draft of **₹500/- (Rupees Five Hundred only)** towards non-refundable tender fee, drawn in favour of “The Director, NIT Sikkim” payable at Ravangla should accompany the Technical bid documents.

The bidders who had already participated in the previous tender no. **37/NITS /Works/ICTI-PURCHASE/2017-18/Tender-01** or **52/NITS /Academics/ ComputerCenter/2017/Tender-01**, need not to pay the tender fees again.

2. **EMD:** The respective EMDs as per items mentioned above should be enclosed in the form of A/C payee DD in favours of “**Director, NIT Sikkim**” payable at Ravangla. If the successful bidder fails to supply the goods/equipments within stipulated time, then the EMD may be forfeited. **A bidder may participate fully or partially (accordingly total EMD amount have to be enclosed in the form of single or multiple DDs).**
3. The EMD, technical and financial bids should be sent separately and put in different sealed envelopes marked “**EMD**”, “**Technical bid**” and “**Financial bid**” as applicable **for each group of items** and are to be put in a separate envelope, that should be properly sealed and duly marked “Tender reference no: 24/NITS /CSE-Dept/ICTI-Items/2017-18/Tender-01.”
4. **Prices:** The prices quoted should be inclusive of all taxes or duties, packing, forwarding, freight, insurance, delivery, installation, commissioning etc. at destination site (NIT Sikkim, Ravangla, South Sikkim 737139). **NIT Sikkim is registered with DSIR, Govt. of India and is exempted from Custom / Excise Duty.** Exemption Certificate to this effect will be issued by NIT Sikkim. Hence, Customs/Excise Duty exempted price should be quoted. The rates shall be firm and final. Nothing extra shall be paid on any account. In the price bid/financial bid, the vendor should clearly mention the final price breakup i.e., ex-work price/FCA price, FOB price, CIP/CIF price & FOR NIT Sikkim, Sikkim Campus price, as applicable in their bid.
5. **Pre-Qualification Criteria:** Bidder has to submit the signed copy of the following documents:
 - a) Bidder is requested to furnish GST Registration Number and GST Registration States.
 - b) Valid trade license issued by local authority authorizing the vendor to bid in the category of goods for which bid has been submitted. Bidders must be a registered computer/electronics item supplier for last one year.
 - c) Valid firm/company registration certificate. Quality assurance certificate (if any).
 - d) Credentials of supply to NITs/IITs/Central autonomous bodies/Central Govt. dept. or agencies.
 - e) Self certificate that the firm has not been black listed from participating in tenders by any central Govt. organizations.
 - f) If the supplier/firm is original equipment manufacturer (OEM)/authorized dealer/sole distributor of any item, the certificate to this effect should be attached.
 - g) An undertaking from the OEM is required stating that (a) they shall be responsible to provide all kind of technical supports, and (b) would facilitate the bidder on a regular basis with technology/product updates and extend support for the warranty as well. In case of proprietary items, suitable declaration documents from the manufacturer to be submitted.

6. All tender documents should have to be sent through courier, speed post or registered post only or may be dropped in the tender box at NIT Sikkim. Since, NIT Sikkim is located in a remote

location, even through speed post it may take seven days. Therefore, bidders are suggested to send the quotation well in advance or by hand. The postal address for submitting the tenders is:

Faculty In-charge, ICTI
National Institute of Technology Sikkim,
Ravangla Campus, South Sikkim – 737 139

7. Quotation received after the closing date/time will not be considered.
8. The bidder should also mention the make and model number of the items. (Please refer to Annexure I and Annexure II).
9. The printed literature and catalogue/brochure giving full technical details should be included to verify the specifications quoted in the tender. The final amount should be in figures as well as in words. If there are overwriting, they should be duly initialled, failing which the bids are liable to be rejected. No alternate price will be entertained in the quotation.
10. The supplier/firm must be either original equipment manufacturer (OEM) or authorized dealer/sole distributor of quoted items. The certificate or equivalent document must be attached/communicated.
11. In the event of any dispute or difference(s) between the vender Institute (NIT Sikkim) and the vendor(s) arising out of non-supply of material or supplies not found according to specifications or any other cause whatsoever relating to the supply or purchase order before or after the supply has been executed, shall be referred to “The Director, NIT Sikkim”, who may decide the matter himself.
12. All tenders in which any of the prescribed conditions is not fulfilled or any condition is put forth by the tenderer shall be summarily rejected.
13. **Performance Bank Guarantee (PBG):** Successful bidder shall have to deposit a performance security of 10% for the period covered under warranty of the item(s). The Performance security can be in the form of a Commercial bank Guarantee or Retention money deducted from the gross payment to the supplier. If it is not submitted then 10% of the total payment will be kept for specified period. PBG will be retained beyond 60 days after expiry of warranty.
14. **Opening of Bids:** The bidders or their authorized representative may be present during the opening of the Technical Bid, if they desire so, at their own expenses.
The financial bids will be opened for only the bidders whose technical bids are found suitable by the committee appointed for the purpose. Date and time of opening of the financial bids will be decided after technical bids have been evaluated by the committee. Information in this regard will be posted on Institute’s web site / Notice board/Communicated through e-mail.
15. **Evaluation:** The bids for various groups shall be evaluated individually and partial orders may be placed as per the discretion of the institute.
16. **Payment:** 100% payment against onsite delivery, installation and furnishing of PBG.
17. **Clarifications:** Normally, pre-bid enquiries will not be entertained. However, in case the bidder requires any clarification regarding the tender documents, they are requested to contact ICTI Office, NIT Sikkim (e-mail: icti@nitsikkim.ac.in) on or before closing date of the tender. Any attempt by any vendor to bring to bear extraneous pressures on us shall be sufficient reason to disqualify the vendor.
18. The NIT Sikkim reserves the right to amend/cancel the tender at any stage (point of time) without assigning any reason.
19. **Validity:** The bid should be valid for acceptance for a period of 180 Days. The Bidders should be ready to extend the validity, if required.
20. **Delivery:** The Equipment should be delivered and installed within the period as specified in the purchase order and be ready for use within 60 days of the issue of purchase order unless otherwise prescribed.
21. **Liquidated Damage:** If the bidder fails to deliver and place any or all the Equipment or perform the service by the specified date, penalty at the rate of 2% per month of the total order value subject to the maximum of 10% of total order value will be deducted.
22. **Warranty:** The period for which the warranty is valid should be mentioned by the bidder exclusively (as asked in technical details). Bidders must give the comprehensive onsite warranty

as required from the date of successful installation of Equipment against any manufacturing defects and also give the warranty declaration that *“everything to be supplied by us hereunder shall be free from all defects and faults in material, workmanship and shall be of the highest quality and material of the type ordered, shall be in full conformity with the specification, as specified in the tender document.”*

23. **Amendment of Bidding Documents:** Corrigendum, if issued any for the tender, shall form part of the Tender Document, Corrigendum will be posted on NIT Sikkim website (www.nitsikkim.ac.in). Bidders are requested to visit NIT Sikkim website regularly and note to corrigendum / amendments to the tender without fail and submit the bid/tender accordingly. NIT Sikkim will not be responsible for ignorance of corrigendum.
24. **Defective Equipment:** All damaged or unapproved goods shall be returned at suppliers cost and risk and the incidental expenses incurred thereon shall be recovered from the supplier. Defective part in equipment, if found before installation and / or during warranty period, shall be replaced within delivery period on receipt of the intimation from this office at the cost and risk of supplier including all other charges.

Any deviation in the material, and the specifications from the accepted terms may liable to be rejected and the bidders need to supply all the goods in the specified form to the satisfaction / specifications specified in the order / contract and demonstrate at their own cost.

FICTI

National Institute of Technology Sikkim
Ravangla Campus, South Sikkim 737139.

Declaration Form – I
ON-SITE MAINTENANCE SERVICE FOR OFFERED MATERIAL

The Director
National Institute of Technology Sikkim
Ravangla, South Sikkim
PIN 737 139, INDIA

I / We declare that we will provide on-site full maintenance services from the date of delivery/installation of bellows materials quoted against your tender no. 24/NITS /CSE-Dept/ICTI-Items/2017-18/Tender-01, date: 20/07/2017

Name	Warranty Period (in Months)
1.
2.
3.
4.
5.

During these warranty periods we will not charge for maintenance services.

We have enclosed herewith the explicit terms and conditions of the original equipment manufacturer for your perusal.

(Sign. Seal & Date of the bidder)

Annexure A**Technical specification for Desktop Set (CPU + Monitor + Keyboard + Mouse)**

Unit 1	Processor	Intel® 7th Generation Core i7 – 7700 Quad Core CPU with minimum clock speed of 3.4 GHz, 8MB Cache or better
	Form Factor	Small Form Factor (Weight should be no more than 4.8 KG and volume no more than 7.8L)
	Chipset	Intel® Q Series Commercial chipset
	Motherboard	OEM Motherboard with OEM logo embossed on the motherboard
	Memory	8 GB DDR4 RAM expandable to 64GB Four DIMM slots; Non-ECC dual-channel up to 2400 MT/s DDR4 SDRAM, Plus Optane Ready
	Hard Disk Drive	1TB HDD, 7200 RPM, SATA III 6 Gbps
	Optical Drive	In-build DVD Reader/Writer
	Slots	Minimum 2 low profile PCI/PCIe Slots (2 x PCIex16) 2x (M.2 PCIe)
	Graphics	Integrated Graphics Card (2GB memory minimum)
	Audio	High Definition Integrated Audio with Internal Speaker
	Communications	LAN: in-build Intel® Gigabit (10/100/1000 NIC) LAN (form OEM). WLAN: in-build Wi-Fi; 802.11n Wireless PCIe with Bluetooth / 802.11ac Wireless PCIe with Bluetooth (form OEM).
	Ports and Connectors	Front I/O (Minimum): 5 USB in front including : (2) USB 2.0 ports, including 1 fast charging + (2) USB 3.0 Ports + 1 USB Type C; 1 audio line in; 1 audio line out Back I/O (Minimum): 3 USB 3.0 + 2 USB 2.0; 1 serial; 2 PS/2 (keyboard and mouse); 3 VGA/DisplayPort/HDMI/DVI-D (in total) 1 RJ-45
	Operating System	Ubuntu/Linux
Information Accessibility	Product details, specifications and brochure to be available in public domain	
Diagnostic Tool	Inbuilt Pre-Boot BIOS Diagnostics	
Support	Drivers should be available for download from OEM site for at least 3 years from the date of purchase order	
Unit 2	Keyboard & Mouse	PS/2 or USB Keyboard (Same make as PC) PS/2 or USB 2 Button Scroll Optical Mouse (Same make as PC)
Unit 3	Monitor	19.5-inch or higher LED Backlit Monitor
Warranty for all Units		3 Years Comprehensive Warranty for Parts, Labour and On-site service (3-3-3) from OEM/Partner

Annexure B

Technical specification for All in One Printer (Black and White)

All in One Function	Print, scan, copy and fax; AiO multitasking supported: Yes (Easy-access USB port, Built-in wireless networking, Duplex)
Print	
Print speed	(Not less than) Normal, A4: Up to 25 ppm; Normal, letter: Up to 26 ppm; Duplex (A4): Up to 15 ipm; Duplex (letter): Up to 16 ipm
First page out	A4/letter, ready: As fast as 8 sec
Print technology	Laser
Mobile printing capability	ePrint, Wireless direct printing
Standard print languages	PCL5c, PCL6, PS, PCLm, PDF
Scan	
Scan resolution	Hardware: Up to 300 x 300 dpi (colour and mono, ADF); Up to 600 x 600 dpi (colour, flatbed) Up to 1200 x 1200 dpi (mono, flatbed) Optical: Up to 300 dpi (colour and mono, ADF); Up to 600 dpi (colour, Up to 1200 dpi (mono,flatbed)
Scan format	JPEG, PDF, PNG
Bit depth/ Grayscale levels	Bit Depth: 24-bit; Grayscale: 256
Copy	
Copy speed	(Not less than) Normal, A4: Up to 25 cpm black; Normal, letter: Up to 26 cpm black
Copy resolution	Black (text): Up to 600 x 600 dpi; Black (graphics): Up to 600 x 600 dpi
Max no of copies	At least Up to 99 copies
Copier resize	25 to 400%
Copier settings	Up to 99 multiple copies; Collation; Reduce/Enlarge from 25% to 400%; Contrast (Lighter/Darker); Resolution (Copy quality); ID copy; Copy optimization; Auto Select Copy Mode; Manual duplex
Fax	
Fax speed	3 sec per page
Fax resolution	Black (standard): 203 x 98 dpi; Black and white (fine) 204 x 196 dpi; Black Photo Grayscale: 300 x 300 dpi (halftone enabled); Black and white (Superfine)300 x 300 dpi (no halftone)
Connectivity	
Standard connectivity	Hi-Speed USB 2.0 port (host/device); built-in Fast Ethernet 10/100Base-TX network port; Easy-access USB port
Network ready	Standard (built-in Ethernet, WiFi 802.11b/g/n), Built-in wireless networking
Wireless capability	Yes, built-in WiFi 802.11b/g/n
Others	
Display	Not less than 2.7" touch screen, LCD (colour graphics)
Warranty features	3 Years Comprehensive Warranty for Parts, Labour and On-site service (3-3-3) from OEM/Partner

Annexure C**Technical specification for Normal Black and White Printer**

Print Speed (A4)	Not less than 18 PPM (A4)
Print Technology	Laser
Ethernet Capability	No
Wireless Capability	Yes, 802.11b/g/n
Two Sided Printing	No
Print Resolution	Up to 600 x 600 dpi
First Page out	9.2 seconds
Monthly Maximum Print Capacity	5000 Pages or more
Paper Size Supported	A4 (Letter; Legal)
Paper Input Tray Capacity	150
Paper Input Tray	1
Memory	8 MB
Print Language	Host-based printing
Power	Auto On – Off Technology, Consumption not more than 375 watts
Mobile Printing Capability	Yes
Warranty	1 Years Comprehensive Warranty for Parts, Labour and On-site service from OEM/Partner

Annexure D
Technical specification for Heavy Duty Photocopy machine

Features	Description
Description	Fully loaded multifunction copier with Print, Copy, Scan, Optional Fax features & DADF
Functions	Print, Scan, Copy and Optional Fax
Print/Copy Speed (A4)	Simplex: 25PPM/CPM; Duplex: 15PPM/CPM
First Copy/Print Out - From Ready	Max 10 Sec
Print Resolution	Upto 1200 x1200 DPI
Supported Media Size	Upto A3
Standard Input Capacity	100 Sheet Bypass Tray, 2 X 500 sheets input Tray
DADF Capacity	100 sheets A3 Documents
DADF Type	Single Pass Dual Scanning
Duplex Printing/Copying	Automatic - Standard
Connectivity	Standard: USB & Ethernet; Wireless, Direct USB Printing Port
Memory	5 GB
Hard Disk	Minimum 300 GB with Encryption
Scanning Speed (A4)	Simplex/duplex: 70/140 ipm (letter and A4)
Scan size (Original)	Flatbed: Upto A3; DADF: Upto A3
Document Security	PIN Printing
Data Security	Encrypted HDD, Encrypted communication
No of Toner Cartridge	1
Initial Toner Yield	Minimum 40000 Pages
Replacement Toner Yield	Minimum 40000 Pages
Imaging Drum Yield	Minimum 150000 Pages
Input Tray Capacity Standard	100 Sheet Multipurpose Tray; 2 X 500 sheets Input Tray
Power Supply	220 to 240Vac
Warranty	3 Years Onsite Warranty with Spares & Service

Annexure E**Technical specification for Page Shredder**

Shred Type	Cross Cut
Shred Capacity (Sheets/75gsm)	15 or more
Paper Entry Width (mm)	200 or more
Waste Bin Capacity (Litres)	15 or more
Average Speed (metres/min)	1.5 or more
Auto power off	Yes
Auto restart	Yes
Destroys CDs/ Credit Cards	Yes
Jam Free® & Auto reverse	Yes
Paper Sensor	Optical
LED Indicator (Standby, Overload, Overheat, Door Open/Misalign, Bin full)	Yes
Noise Level (db)	Not more than 60
Warranty	Six months Comprehensive Warranty

Annexure -I **Format of Technical Bid**

Tender No: 24/NITS /CSE-Dept/ICTI-Items/2017-18/Tender-01

The following is the detailed technical bid against the above mentioned tender.

Sl. No.	Item	Make and Model No.	Technical compliance (Write Yes or No)	Detailed technical specification (Write Attached or Not attached)	OEM or Authorized dealership (Write Attached or Not attached)
1					
2					
3					
4					

From,
Vendor's Name:
Address:

e-mail ID:
Cont. No:

[Seal and Signature of the firm]

Annexure -II**Format of Financial Bid**

Tender No: 24/NITS /CSE-Dept/ICTI-Items/2017-18/Tender-01

The following is the detailed financial bid against the above mentioned tender.

Sl. No.	Item	Quantity	Make and Model No.	Unit Price (₹)	Taxes GST (₹) with %	Grand Total (₹)
1						
2						
3						
4						

From,
Vendor's Name:
Address:

e-mail ID:
Cont. No:

[Seal and Signature of the firm]

Annexure III**Firm and bank details (attached with Technical bid)**

<u>Sl. No.</u>	<u>Particulars</u>	<u>Information</u>
1	Name of the Firm	
2	Complete Postal Address with Tel. No., Fax/Email	
3	Date of Establishment: Professional Experience (in years)	
4	Registration details with concern authority	
5	Name of the contact person Mobile no (Office) Mobile no (Home) e-mail Id	
6	GST Registration No (please enclose a copy of GST Registration).	
7	Please enclose a cancelled cheque and copy of PAN card. Cancelled cheque & PAN card is to be submitted only once	
9	Firm (Beneficiary) Name	
9	Complete Bank Account No. of the Firm [beneficiary]. [In case of change in bank account vendor should write to Account Office]	
10	Bank Name	
11	Bank Address	
12	IFS Code no	

We undertake that all information provided above is correct and NIT Sikkim will not be responsible in case of any error on the part of firm.

[Seal and Signature of the firm]

Annexure IV
COMPLIANCE STATEMENT
Part I (Pre-bid criterion)

Sl. No.	Required Indent Specifications	Your Comment(s)
1.	Is tender fees enclosed? (Yes/No):	If Yes DD No..... Bank..... Amount.....
2.	Is EMD enclosed? (Yes/No):	If Yes DD No..... Bank..... Amount.....
3.	Is the bidder original equipment manufacturer (OEM) / authorized dealer?	
4.	If authorized dealer, recent dated certificate to this effect from OEM, attached or not?	
5.	Whether special educational discount for NIT Sikkim is given.	
6.	Whether GST registration details, valid trade license, valid firm/company registration certificate, quality assurance certificate (if any) is given.	
7.	Whether list of reputed clients/organizations (along with telephone numbers of contact persons) for the past three years specific to the instrument attached. Documents furnished for other instruments will not be considered.	

We undertake that all information provided above is correct and NIT Sikkim will not be responsible in case of any error on the part of firm.

[Seal and Signature of the firm]

COMPLIANCE STATEMENT**Part II (Technical criterion)****Technical specification for Desktop Set (as in Annexure A)**

Unit	Details specifications		Compliance (Write Yes or No)	Remarks (if any)
Unit 1	Processor	Intel® 7th Generation Core i7 – 7700 Quad Core CPU with minimum clock speed of 3.4 GHz, 8MB Cache or better		
	Form Factor	Small Form Factor (Weight should be no more than 4.8 KG and volume no more than 7.8 L)		
	Chipset	Intel® Q Series Commercial chipset		
	Motherboard	OEM Motherboard with OEM logo embossed on the motherboard		
	Memory	8 GB DDR4 RAM expandable to 64GB Four DIMM slots; Non-ECC dual-channel up to 2400 MT/s DDR4 SDRAM, Plus Optane Ready		
	Hard Disk Drive	1TB HDD, 7200 RPM, SATA III 6 Gbps		
	Optical Drive	In-build DVD Reader/Writer		
	Slots	Minimum 2 low profile PCI/PCIe Slots (2 x PCIex16) 2x (M.2 PCIe)		
	Graphics	Integrated Graphics Card (2GB memory minimum)		
	Audio	High Definition Integrated Audio with Internal Speaker		
	Communications	LAN: in-build Intel® Gigabit (10/100/1000 NIC) LAN (form OEM). WLAN: in-build Wi-Fi; 802.11n Wireless PCIe with Bluetooth / 802.11ac Wireless PCIe with Bluetooth (form OEM).		
	Ports and Connectors	Front I/O (Minimum): 5 USB in front including : (2) USB 2.0 ports, including 1 fast charging + (2) USB 3.0 Ports + 1 USB Type C; 1 audio line in; 1 audio line out Back I/O (Minimum): 3 USB 3.0 + 2 USB 2.0; 1 serial; 2 PS/2 (keyboard and mouse); 3 VGA/DisplayPort/HDMI/DVI-D (in total) 1 RJ-45		
	Operating System	Ubuntu/Linux		
	Information Accessibility	Product details, specifications and brochure to be available in public domain		
Diagnostic Tool	Inbuilt Pre-Boot BIOS Diagnostics			
Support	Drivers should be available for download from OEM site for at least 3 years from the date of			

		purchase order		
Unit 2	Keyboard & Mouse	PS/2 or USB Keyboard (Same make as PC) PS/2 or USB 2 Button Scroll Optical Mouse (Same make as PC)		
Unit 3	Monitor	19.5-inch or higher LED Backlit Monitor		
Warranty for all Units		3 Years Comprehensive Warranty for Parts, Labour and On-site service (3-3-3) from OEM/Partner		

Technical specification for All in One Printer (as in Annexure B)

Details specifications		Compliance (Write Yes or No)	Remarks (if any)
All in One Function	Print, scan, copy and fax; AiO multitasking supported: Yes (Easy-access USB port, Built-in wireless networking, Duplex)		
Print			
Print speed	(Not less than) Normal, A4: Up to 25 ppm; Normal, letter: Up to 26 ppm; Duplex (A4): Up to 15 ipm; Duplex (letter): Up to 16 ipm		
First page out	A4/letter, ready: As fast as 8 sec		
Print technology	Laser		
Mobile printing capability	ePrint, Wireless direct printing		
Standard print languages	PCL5c, PCL6, PS, PCLm, PDF		
Scan			
Scan resolution	Hardware: Up to 300 x 300 dpi (colour and mono, ADF); Up to 600 x 600 dpi (colour, flatbed) Up to 1200 x 1200 dpi (mono, flatbed) Optical: Up to 300 dpi (colour and mono, ADF); Up to 600 dpi (colour, Up to 1200 dpi (mono,flatbed)		
Scan format	JPEG, PDF, PNG		
Bit depth/ Grayscale levels	Bit Depth: 24-bit; Grayscale: 256		
Copy			
Copy speed	(Not less than) Normal, A4: Up to 25 cpm black; Normal, letter: Up to 26 cpm black		
Copy resolution	Black (text): Up to 600 x 600 dpi; Black (graphics): Up to 600 x 600 dpi		
Max no of copies	At least Up to 99 copies		
Copier resize	25 to 400%		
Copier settings	Up to 99 multiple copies; Collation; Reduce/Enlarge from 25% to 400%; Contrast (Lighter/Darker); Resolution (Copy quality); ID copy; Copy optimization; Auto Select Copy Mode; Manual duplex		
Fax			
Fax speed	3 sec per page		

Fax resolution	Black (standard): 203 x 98 dpi; Black and white (fine) 204 x 196 dpi; Black Photo Grayscale: 300 x 300 dpi (halftone enabled); Black and white (Superfine)300 x 300 dpi (no halftone)		
Connectivity			
Standard connectivity	Hi-Speed USB 2.0 port (host/device); built-in Fast Ethernet 10/100Base-TX network port; Easy-access USB port		
Network ready	Standard (built-in Ethernet, WiFi 802.11b/g/n), Built-in wireless networking		
Wireless capability	Yes, built-in WiFi 802.11b/g/n		
Others			
Display	Not less than 2.7" touch screen, LCD (colour graphics)		
Warranty features	3 Years Comprehensive Warranty for Parts, Labour and On-site service (3-3-3) from OEM/Partner		

Technical specification for Normal Black and White Printer (as in Annexure C)

Details specifications		Compliance (Write Yes or No)	Remarks (if any)
Print Speed (A4)	Not less than 18 PPM (A4)		
Print Technology	Laser		
Ethernet Capability	No		
Wireless Capability	Yes, 802.11b/g/n		
Two Sided Printing	No		
Print Resolution	Up to 600 x 600 dpi		
First Page out	9.2 seconds		
Monthly Maximum Print Capacity	5000 Pages or more		
Paper Size Supported	A4 (Letter; Legal)		
Paper Input Tray Capacity	150		
Paper Input Tray	1		
Memory	8 MB		
Print Language	Host-based printing		
Power	Auto On – Off Technology, Consumption not more than 375 watts		
Mobile Printing Capability	Yes		
Dimension	349 x 238 x 196 mm		
Warranty	1 Years Comprehensive Warranty for Parts, Labour and On-site service from OEM/Partner		

Technical specification for Heavy Duty Photocopy machine (as in Annexure D)

Details specifications		Compliance (Write Yes or No)	Remarks (if any)
Description	Fully loaded multifunction copier with Print, Copy, Scan, Optional Fax features & DADF		
Functions	Print, Scan, Copy and Optional Fax		
Print/Copy Speed (A4)	Simplex: 25PPM/CPM; Duplex: 15PPM/CPM		
First Copy/Print Out - From Ready	Max 10 Sec		
Print Resolution	Upto 1200 x1200 DPI		
Supported Media Size	Upto A3		
Standard Input Capacity	100 Sheet Bypass Tray, 2 X 500 sheets input Tray		
DADF Capacity	100 sheets A3 Documents		
DADF Type	Single Pass Dual Scanning		
Duplex Printing/Copying	Automatic - Standard		
Connectivity	Standard: USB & Ethernet; Wireless, Direct USB Printing Port		
Memory	5 GB		
Hard Disk	Minimum 300 GB with Encryption		
Scanning Speed (A4)	Simplex/duplex: 70/140 ipm (letter and A4)		
Scan size (Original)	Flatbed: Upto A3; DADF: Upto A3		
Document Security	PIN Printing		
Data Security	Encrypted HDD, Encrypted communication		
No of Toner Cartridge	1		
Initial Toner Yield	Minimum 40000 Pages		
Replacement Toner Yield	Minimum 40000 Pages		
Imaging Drum Yield	Minimum 150000 Pages		
Input Tray Capacity Standard	100 Sheet Multipurpose Tray; 2 X 500 sheets Input Tray		
Power Supply	220 to 240Vac		
Warranty	3 Years Onsite Warranty with Spares & Service		

Technical specification for Page Shredder (as in Annexure E)

Details specifications		Compliance (Write Yes or No)	Remarks (if any)
Shred Type	Cross Cut		
Shred Capacity (Sheets/75gsm)	15 or more		
Paper Entry Width (mm)	200 or more		
Waste Bin Capacity (Litres)	15 or more		
Average Speed (metres/min)	1.5 or more		
Auto power off	Yes		
Auto restart	Yes		

Destroys CDs/ Credit Cards	Yes		
Jam Free® & Auto reverse	Yes		
Paper Sensor	Optical		
LED Indicator (Standby, Overload, Overheat, Door Open/Misalign, Bin full)	Yes		
Noise Level (db)	Not more than 60		
Warranty	Six months Comprehensive Warranty		

[Seal and Signature of the firm]