

TENDER
for
Supply & Installation of
Desktop Computers, Interactive Flat Panel,
Laptop Ultra 5, Laptop Ultra 7, Mac book
Air, Multifunction Printers and On-Line
UPS

Tender Inquiry No. - NPGC/COMP/PROC/2026-27/08

National Post Graduate College
(Accredited A Grade by NAAC)
2-Ranapratap Marg, Lucknow (U.P), India
Pin Code -226001

Tel No. 0522-4021304

Email: nationalpgcollege@gmail.com

Website: www.npgc.in

NOTICE INVITING TENDER

SUBJECT: Supply & Installation of Desktop Computers, Interactive Flat Panel, Laptop Ultra 5, Laptop Ultra 7, Mac book Air, Multifunction Printers and On-Line UPS. National Post Graduate College (Accredited A Grade by NAAC), An Autonomous College of Lucknow University, Ranapratap Marg, Lucknow is a reputed Institute for Post Graduate Degree and Diploma Courses and well known for it's academic excellence.

Sealed quotations are invited in two bid system (Technical & Commercial bid in two separate sealed envelopes contained in one bigger envelope) for the **Procurement of Desktop Computers, Interactive Flat Panel, Laptop Ultra 5, Laptop Ultra 7, Mac book Air, Multifunction Printers and On-Line UPS.**

(.....)

**Principal
National Post Graduate College,
Ranapratap Marg, Lucknow.**

Contact – Account Office

INSTRUCTIONS TO THE Bidders

1. The tender documents can be collected from the office of college, w.e.f. 22th August 2026 to 12th September 2026 between 01:00pm to 03:00pm hours against payment of **Rs. 5000/- (Rupees Five thousand only) (Nonrefundable) by way of cash only**, college will provide a receipt against the same.

2. Documents to be submitted with Technical Bid.

2.1 Bidder documents

- 2.1a. Original Copy of Tender fee receipt.
- 2.1b. Original Copy of **Earnest Money Deposit** of Rs. 95,000.00 (Approx. @2% of financial bid) **through Bank Draft** drawn in favor of 'National P G College, Lucknow **A/C payable**'
- 2.1c. Original Copy of Blank copy of Tender form with sign and stamp of bidder organization on every page.
- 2.1d. Copy of ISO, GST, PAN and MSME Certificates of Bidder.
- 2.1e. Last 3-Years Income Tax Clearance Certificate of Bidder.
- 2.1f. Last 3-Years Audited Balance Sheet of Bidder, on an average should not be less than 300 lacs.
- 2.1g. Bidder financial standing: The bidder should not be under liquidation, court receivership or Similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with Tender on Rs.100 eStamp Paper.
- 2.1h. Bidder must appoint a full time service engineer at the college campus to provide uninterrupted support to maintain SLA of 30-minutes response time and 240-minutes machine uptime for non-part calls, for part calls machine uptime should not exceed more than 48-hours. For this bidder must submit a confirmation of this clause on Rs.100 eStmp Paper.

2.2 OEM Documents – Below tender specific with clearly mentioned tender number, OEM certified documents printed on OEM letter head, duly signed and stamped by their authorities with their email id and contact number of quoted Desktop Computers, Interactive Flat Panel, Laptop Ultra 5, Laptop Ultra 7, Multifunction Printers and On-Line UPS as per the specifications clearly mentioned in tender document must be submitted along with technical bid -

- 2.2a. **Manufacturer Authorization Form (MAF)**
 - 2.2b. **Product specifications compliance certificate.**
 - 2.2c. **3-Years on-site warranty certificate.**
 - 2.2d. **Minimum 3-Years End-of-life Certificate.**
 - 2.2e. **Non Malicious Code Certificate as per prescribed format in tender document.**
 - 2.2f. All the certificates mentioned in specifications must be attached with Technical Bid document.
 - 2.2g. As per the specifications of Desktop Computer, quoted desktop must be equipped with inbuilt TPM 2.0 security chip with motherboard. OEM undertaking regarding this feature must be submitted with technical offer.
 - 2.2h. **Certification for Security Software which must be inbuilt with Desktop Computer, if bidder is quoting third party software other than Desktop Computer, needs to be submitted below certificates -**
 - 2.2h. I. **MAF**
 - 2.2h. II. **Product specifications compliance certificate.**
 - 2.2h. III. **3-Years' service warranty /subscription certificate.**
 - 2.2h. IV. **Non Malicious Code Certificate.**
 - 2.2h. V. **All the certificates mentioned in specifications must be attached with Technical Bid document.**
 - 2.2h. CPU, TFT Monitor, Keyboard and Mouse of quoted desktop must be of same make, OEM undertaking regarding this clause must be submitted with technical offer.
3. Last 3-Years Audited Balance Sheet of Manufacturer of Desktop Computer /highest value product, should not be less than average 1000 Cr., for proof same must be submitted with technical bid.
 4. All the pages of the tender form should be **signed & bear the official Seal of the bidder, if not technical bid will be rejected.**

5. Any cutting/over writing etc. in the tender must be signed by the authorized signatory. The rates and units should not be overwritten. The financial figures in commercial bid should be both in figures and words. In case of any discrepancy in figures and words, the amount written in words shall be considered.
6. The tender document should be properly sealed in envelope addressed to The Principle, National P. G. College, Ranapratap Marg, Lucknow (U.P), India, Pin Code-226001.
7. The **Main envelope shall be super-scribed** as “**Tender for the Supply & Installation of Desktops, Interactive Flat Panel, Laptop Core i5, Laptop Core i7 and Online UPS as per Bid Documents**” with its due date. The two sealed envelopes inside the main envelope must be submitted super-scribed as:
 - I) ***Envelope No-1: This envelope is for technical bid & shall be super-scribed as “Technical Bid- Tender for the Supply & Installation of Desktop Computers, Interactive Flat Panel, Laptop Ultra 5, Laptop Ultra 7, Macbook Air, Multifunction Printers and On-Line UPS UPS as per Bid Documents”***
 - II) ***Envelope No-2: This envelope is for commercial bid & shall be super scribed as “Commercial Bid- Tender for the Supply & Installation of Desktop Computers, Interactive Flat Panel, Laptop Ultra 5, Laptop Ultra 7, Macbook Air, Multifunction Printers and On-Line UPS as per Bid Documents”***
8. Last date of deposit of tender is 14th September 2026 maximum by 13:00 hours in the College office.
9. Technical bid will be opened on 14th September 2026 at 15:00 hours in the College office. A representative of the Tenderer /Bidder may remain present during the opening of the tender. The second envelope containing commercial bid of qualified bidders will be opened on same day, immediately after the Technical-Bid.

Signature of the Tenderer with seal

TERMS & CONDITIONS

Submission of the duly signed tender document along with necessary in closers would imply that the conditions of the tender have been read & understood by the Tenderer and is aware of the scope of the supply and the quality of the material. The final acceptance of the tender rests with the Principle National P G College, Lucknow, who reserves the right to accept or reject any or all tenders without assigning any reason, therefore.

- a) No representation for the enhancement of the cost of the accepted tender or part thereof shall be entertained at any stage after the award.
- b) The delivery of the items, installation and testing must be completed within 45 days from the date of receiving the Purchase Order. In case tenderer fails to complete the Job within the stipulated period, penalty at the rate of 1% of the purchase value, per week with a maximum of 5% of the purchase value will be charged from the supplier. Furthermore, If the supplier fails to supply or complete the installation and testing, the earnest money deposit shall be forfeited.
- c) The rates quoted shall be inclusive of delivery & installation at destination National P G College, Ranapratap Marg, Lucknow.
- d) 100% Payment will be made against successful delivery, installation and testing for which the tenderer shall submit bills in duplicate (original + copy) giving the reference number of the supply order along with delivery note.
- e) The EMD will be refunded to the unsuccessful bidders after the orders placed on the successful bidder. In case of successful bidder, the EMD will be returned after the completion six months of warranty period. No interest on EMD will be paid.
- f) The EMD will be forfeited in following cases:
 - i. If the bidder fails to accept the order based on his offer within the prescribed time.
 - ii. If the bidder fails to supply the material with specifications in compliance to specifications given in technical bid.
 - iii. If the bidder delays supply beyond the stipulated period.
- g) In the event of any dispute the legal matter shall be subjected to the jurisdiction of Lucknow Court only.

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Annexure – `A`

TECHNICAL BID

FORMAT & REQUIREMENTS

1. Tender Ref. No:
3. Tender Opening Date & Time: **14/09/2026 at 15.00 hours.**
3. Name of Tenderer:
4. Tender Price Validity (90-days from the Date of Opening) (Yes/No):
5. Complete office address of Tenderer:
6. Status of Tenderer (Proprietorship /Partnership/Pvt. Ltd / Public Ltd./PSU):
7. OEM /Distributer /Dealer /Partner /Service Provider:
8. GST No. of Tenderer:
9. PAN No. of Tenderer:
10. MSME Status of Tenderer – Yes /No:
11. Contact details of authorized person of tenderer who have signed the tender.
 - a. Name:
 - b. Designation:
 - c. Phone:
 - d. E mail:
12. Due date & Time of submission of bid: **14/09/2026 at 13.00 hours**
13. EMD payment details (DD number & bank detail):
14. Submission of technical confirmation to the requirement:

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TECHNICAL COMPLIANCE OF ITEMS

Product Details /Specifications

Desktop Computer Core i5 with 4 GB Graphics Specifications

#	Component	Description
1	Make & Model	(Specify)
2	Form Factor	Tower Form Factor less than 15 ltrs with Intrusion Switch
3	Configured CPU	Intel® Core™ i5 14500 vPro® (24 MB cache, 14 cores, 20 threads, 2.60 GHz to 5.00 GHz Turbo, 65 W) or higher
4	Memory slots	Up to 64GB DDR5 memory, 2 slots or higher
5	Memory configured	16 GB: 1 x 16 GB, DDR5, up to 4800 MT/s, UDIMM, single-channel or higher
6	Discreet Graphic	NVIDIA® RTX™ T400 /T600 /A400, 4 GB GDDR6 or higher
7	Storage	512 GB SSD Hard Disk Drive or higher
8	Chipset	Q670 or higher
9	Network Interface	1 Gbps inbuilt Network Adapter, Wi-Fi 7, Bluetooth® 5.4 wireless card
10	Security	Inbuilt Hardware TPM 2.0, Security Software should be with 3 years' subscription, ransomware protection, browsing protection, MII, ISO 27001 Certified in Data Protection. It must have latest AV-Test Certificate and have a minimum 98% score in the Real-World Protection Test by AV-Comparatives in the last available test result. Bid-specific MAF for the bid must be submitted.
11	Ports	1 RJ-45 port 10/100/1000 Mbps 8 USB Ports (Min. 4 USB 3.2 ports including 1 Type C port) or better 1 Universal Audio Jack 1 Display Ports 1.4 1 HDMI 2.1
12	Slots	3 PCIe Gen 3 slots (Min.1 PCIe x16) or better 2 SATA Slots or better 2 M.2 slots (Wireless + Storage)
13	BIOS	Configuration Tool to Enable these features in a single Tool power on password, set up password, USB port disable with life cycle management tool
14	Support	Drivers should be available for download form OEM site for at least 3 years form the date of the purchases order. (drive cab to be available in support site)
15	Power Supply	360 W internal power supply unit (PSU), 92% Efficient, 80 Plus Platinum or better
16	Keyboard and Mouse	Standard USB Wired Keyboard and USB Optical Scroll Mouse
16	TFT Monitor	23.8" display with 1920 x 1080 resolution or better with 1 DP, 1 HDMI & 1 VGA Port, with 100Hz refresh rate, with internal integrated power supply (No external Adaptor)
17	Operating System	Windows 11 Professional
18	Warranty	3Yr Onsite Warranty. OEM must have online system hardware diagnostics facility and facility to download updates of software, device drivers, and firmware on its website. Specifications and warranty of the offered Desktop should be available through serial number search / tracking on the website of the OEM.
19	Certificates	Energy star 8.0, Windows 11 Certified, EPEAT Climate+ India Certified, EPEAT GOLD India Certified for Desktop & TCO 10.0 for Monitor, MIL STD 810 G Test passed, ISO 9001:2008 certification for OEM or better.

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Desktop Computer Core i5 without Graphics Card Specifications

#	Component	Description
1	Make & Model	(Specify)
2	Form Factor	Slim Tower Form Factor less than 8.5 ltrs.
3	Configured CPU	Intel® Core™ i5 14500 (20 MB cache, 10 cores, 16 threads, 4.7 GHz, 65 W) or higher
4	Memory slots	Up to 64GB DDR5 memory, 2 slots or higher
5	Memory configured	16 GB: 1 x 16 GB, DDR5, up to 4800 MT/s, UDIMM, single-channel or higher
6	Graphic	Integrated
7	Storage	512 GB SSD Hard Disk Drive or higher
8	Network Interface	1 Gbps inbuilt Network Adapter, Wi-Fi 6, Bluetooth® 5.2 wireless card
9	Security	Inbuilt Hardware TPM 2.0, Security Software should be with 3 years' subscription, ransomware protection, browsing protection, MII, ISO 27001 Certified in Data Protection. It must have latest AV-Test Certificate and have a minimum 98% score in the Real-World Protection Test by AV-Comparatives in the last available test result. Bid-specific MAF for the bid must be submitted.
10	Ports	1 RJ-45 port 10/100/1000 Mbps 6 USB Ports (Min. 4 USB 2.0 ports and 01 USB 3.2 ports including 1 Type C port) or better 1 Universal Audio Jack 1 Display Ports 1.4 1 HDMI 2.1
11	Slots	3 PCIe Gen 3 slots (Min.1 PCIe x16) or better 1 SATA Slots or better 2 M.2 slots (Wireless + Storage)
12	Support	Drivers should be available for download form OEM site for at least 3 years form the date of the purchases order. (drive cab to be available in support site)
13	Power Supply	180 W internal power supply unit (PSU)
14	Keyboard and Mouse	Standard USB Wired Keyboard and USB Optical Scroll Mouse
15	TFT Monitor	21.5" display with 1920 x 1080 resolution or better with 1 DP, 1 HDMI & 1 VGA Port, with 100Hz refresh rate, with internal integrated power supply (No external Adaptor)
16	Operating System	Windows 11 Professional
17	Warranty	3Yr Onsite Warranty. OEM must have online system hardware diagnostics facility and facility to download updates of software, device drivers, and firmware on its website. Specifications and warranty of the offered Desktop should be available through serial number search / tracking on the website of the OEM.
18	Certificates	Energy star 8.0, Windows 11 Certified, TCO 10.0 for Monitor, ISO 9001:2008 certification for OEM or better.

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Desktop Computer Core i7 Specifications

#	Component	Description
1	Make & Model	(Specify)
2	Form Factor	Slim Tower Form Factor less than 8.5 ltrs.
3	Configured CPU	Intel® Core™ i7 14700 vPro® (33 MB cache, 20 cores, 28 threads, 5.4 GHz, 65 W) or higher
4	Memory slots	Up to 64GB DDR5 memory, 2 slots or higher
5	Memory configured	16 GB: 1 x 16 GB, DDR5, up to 4800 MT/s, UDIMM, single-channel or higher
6	Graphic	Integrated
7	Storage	512 GB SSD Hard Disk Drive or higher
8	Network Interface	1 Gbps inbuilt Network Adapter, Wi-Fi 6, Bluetooth® 5.2 wireless card
9	Security	Inbuilt Hardware TPM 2.0, Security Software should be with 3 years' subscription, ransomware protection, browsing protection, MII, ISO 27001 Certified in Data Protection. It must have latest AV-Test Certificate and have a minimum 98% score in the Real-World Protection Test by AV-Comparatives in the last available test result. Bid-specific MAF for the bid must be submitted.
10	Ports	1 RJ-45 port 10/100/1000 Mbps 6 USB Ports (Min. 4 USB 2.0 ports and 01 USB 3.2 ports including 1 Type C port) or better 1 Universal Audio Jack 1 Display Ports 1.4 1 HDMI 2.1
11	Slots	3 PCIe Gen 3 slots (Min.1 PCIe x16) or better 1 SATA Slots or better 2 M.2 slots (Wireless + Storage)
12	Support	Drivers should be available for download form OEM site for at least 3 years form the date of the purchases order. (drive cab to be available in support site)
13	Power Supply	180 W internal power supply unit (PSU)
14	Keyboard and Mouse	Standard USB Wired Keyboard and USB Optical Scroll Mouse
15	TFT Monitor	23.8" display with 1920 x 1080 resolution or better with 1 DP, 1 HDMI & 1 VGA Port, with 100Hz refresh rate, with internal integrated power supply (No external Adaptor)
16	Operating System	Windows 11 Professional
17	Warranty	3Yr Onsite Warranty. OEM must have online system hardware diagnostics facility and facility to download updates of software, device drivers, and firmware on its website. Specifications and warranty of the offered Desktop should be available through serial number search / tracking on the website of the OEM.
18	Certificates	Energy star 8.0, Windows 11 Certified, TCO 10.0 for Monitor, ISO 9001:2008 certification for OEM or better.

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Interactive Flat Panel Specifications

#	Component	Description
1	Make & Model	(Specify)
2	Screen Size	86 inch
3	Backlight	DLED
4	Pixel Pitch	0.164 (H) x 0.493 (V) mm
5	Resolution	3840 x 2160 @60 Hz
6	Brightness	400 cd/m2
7	Color Depth	10 bit (8 bit + FRC)
8	Display Color	1.07 B
9	Response Time	5 ms
10	Panel Type	IPS
11	Contrast Ratio	1200:1 (Static) / 15,000:1 (Dynamic)
12	Color Gamut	72% NTSC (CIE1931) (Typ.)
13	Refresh Rate	60 Hz
14	Viewing Angle	178 deg (H) / 178 deg (V)
15	Aspect Ratio	16:9
16	Surface Hardness	9H (Pencil) / 7 (Mohs)
17	Surface Glass	Anti-Glare Glass
18	Surface Haze	25% Haze
19	Glass Bonding Method	Zero Lamination
20	Display Area	1895.04 (H) x 1065.96 (V) mm
21	Working Duration	7 x 16 H
22	Transmittance	88% +/- 3
23	Lifespan	50,000 hours
24	Type	Infrared Touch Screen
25	Touch Point	Up to 50-point multi-touch
26	Touch Response Time	<= 5 ms
27	Minimum Touch Object	>= 1.5 mm (>= 90% touching area)
28	Touch Precision	+/- 0.5 mm (>= 90% touching area)
29	Touch Resolution	32768 x 32768
30	Operation System	Android 14.0
31	Memory	8 GB
32	Built-in Storage	128 GB
33	Processor	Quad-core Cortex-A72 x 4 (2.2 GHz) and quad-core Cortex-A53 x 4 (1.8 GHz)
34	GPU	Mali-G52 MC3
35	HDCP Version	2.3 & 2.0 & 1.4
36	Loudspeaker	Built-in 2 x 20 W
37	Bluetooth	Built-in BLE (Bluetooth Low Energy) module supports Bluetooth 5.4
38	NFC	Supports card reader, 13.56 MHz, (ISO 14443A / ISO 14443B)
39	Light Sensor	Yes
40	Video & Audio Input	HDMI 2.1 TMDS x 3 (Front x1; Rear x2; supports HDCP 2.3 & 2.2 & 1.4; HDMI1 supports CEC & ARC protocol); Audio x1 (Rear)
41	Video & Audio Output	HDMI 2.1 TMDS x1 (Rear); Audio x1 (Rear)
42	Control Interface	TOUCH-USB 2.0 x1 (Front); TOUCH-USB 2.0 x1 (Rear); RS232 x1 (Rear)
43	Network Interface	LAN (1000 Mbps) x2 (Rear); Wi-Fi AP & Station, 2.4G/5G; Wi-Fi 6, IEEE 802.11 a/b/g/n/ac/ax, 2x2 MIMO (2.4GHz and 5GHz), authentication protocols WEP, WPA, WPA2, PSK and 802.1X EAP

44	Data Transmission Interface	USB 3.0 x2 (Front); USB 2.0 x2 (Rear); Type-C x2 (Rear x1, Front x1: supports USB 3.0, 15 W charging function)
45	Power Supply	100 to 240 VAC, 50/60 Hz
46	Standby Consumption	<= 0.5 W
47	Average Consumption	< 210 W
48	Working Temperature	0 C to 40 C (32 F to 104 F)
49	Working Humidity	10%~90% RH
50	Accessory	Wall mount bracket, hook, user manual, touch writing pen, packing list, power cable, remote control
52	OPS	Intel Core i5, 16 GB RAM, 512 GB Hard Disk Drive, Inbuilt bundled Security Software should be with 3 years' subscription, ransomware protection, browsing protection, MII, ISO 27001 Certified in Data Protection. It must have latest AV-Test Certificate and have a minimum 98% score in the Real-World Protection Test by AV-Comparatives in the last available test result. Bid-specific MAF for the bid must be submitted, Windows 11 Professional.
53	Warranty	3-Years On-Site

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Laptop i7 (Idia Pad) Specifications

#	Component	Description
1	Make & Model	(Specify)
2	Processor	Intel Core i7 150U or higher, 12 Cores (2P + 8E + 2LPE), 14 Threads, Max Turbo Frequency up to 5.4 GHz, 12 MB Intel Smart Cache, integrated Intel AI Boost NPU for AI acceleration and Intel Graphics or higher.
3	Memory	16 GB DDR5-5600 RAM
4	Display	14-inch WUXGA OLED, 1920 × 1200, 16:10
4	Storage	512GB M.2 PCIe NVMe Solid State Drive
5	Ports and Slots	Minimum 2 × USB Type-C (10Gbps, Power Delivery & DisplayPort), 2 × USB Type-A (5Gbps), 1 × HDMI 2.1 supporting 4K@60Hz, 1 × MicroSD Card Reader and 1 × 3.5mm Headphone/Microphone Combo Jack.
6	Input	Backlit Keyboard with dedicated Copilot Key and Precision Multi-Touch Touchpad with gesture support.
7	Speakers	2 × 2W Stereo Speakers with Dolby Audio
8	Web CAM and Microphone	FHD 1080p + IR Webcam with Privacy Shutter & ToF Sensor and Integrated Dual-Array Microphones
9	Connectivity	Wi-Fi 6E & Bluetooth 5.4
10	Battery	60 Wh Battery
11	Security	Hardware TPM 2.0, Security Software should be with 3 years' subscription, ransomware protection, browsing protection, MII, ISO 27001 Certified in Data Protection. It must have latest AV-Test Certificate and have a minimum 98% score in the Real-World Protection Test by AV-Comparatives in the last available test result. Bid-specific MAF for the bid must be submitted.
12	AC Adapter	65W USB-C adapter
13	Warranty	3-Years

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Laptop Ultra 7 Specifications

#	Component	Description
1	Make & Model	(Specify)
2	Processor	Intel Core Ultra 7 150U or higher, minimum 12 cores and 14 threads, maximum turbo frequency up to 5.0 GHz or higher, 12 MB cache or higher, with integrated Intel AI Boost NPU for AI acceleration and integrated Intel Graphics or higher.
3	Memory	16 GB DDR5 5600 Mhz.
4	Display	14” WUXGA OLED, 400 nits or higher
4	Storage	512GB M.2 PCIe NVMe Solid State Drive
5	Ports and Slots	Minimum 2 × USB Type-C (with Power Delivery & DisplayPort), 2 × USB Type-A, 1 × HDMI, 1 × MicroSD Card Reader and 1 × 3.5 mm Headphone/Microphone Combo Jack.
6	Input	keypad with backlit support, Multi-touch gesture-enabled precision touchpad with integrated scrolling.
7	Speakers	Integrated 2 × 2W Stereo Speakers with Dolby Audio, delivering enhanced and immersive audio output.
8	Web CAM and Microphone	FHD 1080p IR Webcam with Privacy Shutter, ToF Sensor and integrated Dual-Array Microphone, supporting Windows Hello facial recognition.
9	Connectivity	Wi-Fi 6E & Bluetooth 5.3
10	Battery	57Wh 3-Cell Li-Polymer Battery with Rapid Charge support.
11	Security	Hardware TPM 2.0, Security Software should be with 3 years’ subscription, ransomware protection, browsing protection, MII, ISO 27001 Certified in Data Protection. It must have latest AV-Test Certificate and have a minimum 98% score in the Real-World Protection Test by AV-Comparatives in the last available test result. Bid-specific MAF for the bid must be submitted.
12	AC Adapter	65W USB-C adapter
13	Warranty	3-Years

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Apple MacBook Air –M5 Laptop Specifications

#	Component	Description
1	Make & Model	(Specify)
2	Processor	Apple M5 Chip with 10-core CPU
3	Graphics	Integrated 10-core GPU
4	Neural Engine	16-core Neural Engine
5	Memory	24 GB Unified Memory
6	Storage	1 TB SSD
7	Display Size	13.6-inch Liquid Retina Display
8	Display Resolution	2560 × 1664 pixels
9	Display Technology	Liquid Retina display with True Tone
10	Brightness	500 nits
11	Camera	12MP Center Stage camera
12	Audio	Four-speaker sound system with Spatial Audio
13	Microphones	Three-microphone array with directional beamforming
14	Wireless	Wi-Fi 7
15	Bluetooth	Bluetooth 6
16	Ports	2 × Thunderbolt 4 (USB-C), 3.5 mm headphone jack, MagSafe 3 charging port
17	External Display Support	Supports up to two external displays
18	Keyboard	Backlit Magic Keyboard with Touch ID
19	Operating System	macOS
20	Battery	Up to 18 hours battery life
21	Charging	MagSafe 3 charging; USB-C charging supported
22	Power Adapter	30W USB-C Power Adapter
23	Security	Touch ID fingerprint authentication
24	Warranty	1 Year Limited Warranty

Signature of the Tenderer with seal

A4 Size Mono Multifunction Machine (Print-Scan-Copy) High End Specifications, Qty.-01

#	Component	Description
1	Make & Model	(Specify)
2	Printing Speed	Up to 40 ppm (A4) single-sided; 33.6 ipm double-sided
3	Print Resolution	Up to 1200 x 1200 dpi
4	Duplex Printing	Automatic Duplex
5	Copy Speed	Up to 40 ppm single-sided (A4)
6	Scanner Type	Flatbed +Adf
7	Adf Capacity	50 Pages
8	Scan Resolution (Optical)	Up to 600 x 600 dpi
9	Scan Resolution (Enhanced)	Up to 9600 x 9600 dpi
10	Scan Speed (Mono)	50 ipm at 300 x 300 dpi
11	Scan Speed (Color)	40 ipm at 300 x 300 dpi
12	RAM Memory	1 GB
13	Storage (eMMC)	4 GB
14	Display	LCD Colour Touch Screen
15	Standard Input Paper Cassette	250 sheets
16	Multi-purpose Tray	100 sheets
17	Maximum Paper Capacity	900 sheets
18	Output Capacity	150 sheets
19	Toner Page Yield	10,600 pages
20	Duty Cycle	80,000 pages/month
21	Connectivity	USB, Wired Network, Wi-Fi
22	Operating System Support	Windows, Windows Server, Linux, macOS
23	Warranty	3-Years On-Site

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**A4 Size Mono Multifunction Machine (Print-Scan-Copy) Mid-Range
Specifications, Qty.-01**

#	Component	Description
1	Make & Model	Specify
2	Printing Speed	Up to 34 ppm (A4); 36 ppm (Letter)
3	Print Resolution	Up to 1200 x 1200 dpi
4	Duplex Printing	Automatic Duplex
5	Copy Speed	Up to 34 ppm (A4); 36 ppm (Letter)
6	Scanner Type	Flatbed + ADF
7	ADF Capacity	50 Pages
8	Scan Resolution (Optical)	Up to 600 x 600 dpi
9	Scan Resolution (Enhanced)	Up to 19,200 x 19,200 dpi (Interpolated)
10	Scan Speed (Mono)	22.5 ipm
11	Scan Speed (Color)	7.5 ipm
12	RAM Memory	256 MB
13	Display	LCD Display
14	Standard Input Paper Capacity	250 sheets
15	Output Capacity	120 sheets
16	Toner Page Yield	2,600 pages (Black)
17	Duty Cycle	35000 Pages
18	Connectivity	USB, Wired Network, Wi-Fi
19	Operating System Support	Windows, Windows Server, Linux
20	Warranty	1-Year On-Site

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**A4 Size Mono Multifunction Machine (Print-Scan-Copy) Low-Range
Specifications, Qty.-01**

#	Component	Description
1	Make & Model	Specify
2	Printing Speed	Up to 18 ppm (A4); 19 ppm (Letter)
3	Print Resolution	Up to 1200 x 600 dpi with AIR
4	Copy Speed	Up to 18 cpm (A4); 19 cpm (Letter)
5	Scanner Type	Flatbed Only
6	Scan Resolution (Optical)	Up to 600 x 600 dpi
7	Scan Speed (Mono)	2.6 seconds per page
8	Scan Speed (Color)	7.9 seconds per page
9	RAM Memory	64 MB (Flash)
10	Display	7 Segment (1 digit) LED
11	Standard Input Paper Cassette	150 sheets
12	Maximum Paper Capacity	150 sheets
13	Output Capacity	100 sheets (face-down)
14	Toner Page Yield	700 pages
15	Duty Cycle	8,000 pages per month
16	Connectivity	USB Only
17	Operating System Support	Windows, Windows Server, Mac OS, Linux
18	Warranty	1-Year On-Site

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**A4 Size Colour Inkjet Multifunction Machine (Print-Scan-Copy)
Specifications. Qty.-01**

#	Component	Description
1	Make & Model	Specify
2	Printing Speed	Up to 15 ppm (Mono); 10 ppm (Color) Simplex; 8/6 ipm Duplex
3	Print Resolution	Up to 600 x 1,200 dpi
4	Duplex Printing	Automatic Duplex Printing
5	Copy Speed	Up to 14.1 ppm (Mono); 8.1 ppm (Color) via ADF
6	Scanner Type	Flatbed + ADF
7	ADF Capacity	35 Pages (A4/Letter); 5 Pages (Legal)
8	Scan Resolution (Optical)	Up to 1,200 x 2,400 dpi
9	Scan Resolution (Enhanced)	Not Specified
10	Scan Speed (Mono)	14.1 ipm (from ADF)
11	Scan Speed (Color)	8.1 ipm (from ADF)
12	RAM Memory	Not Specified
13	Storage (eMMC)	Not Specified
14	Display	2.7 inch LCD Colour Touchscreen
15	Standard Input Paper Cassette	250 sheets (A4)
16	Maximum Paper Capacity	250 sheets
17	Ink Tank Page Yield	4,500 pages (Mono & Color)
18	Duty Cycle	27,000 pages per month
19	Connectivity	USB, LAN, Wi-Fi
20	Operating System Support	Windows, Linux, macOS
21	Warranty	1-Year On-Site

**Basic A4 Size Colour Inkjet Multifunction Machine (Print-Scan-Copy)
Specifications. Qty.-01**

#	Component	Description
1	Make & Model	Specify
2	Printing Speed	Up to 8.8 ppm (Mono); 5 ppm (Color)
3	Print Resolution	Up to 4,800 x 1,200 dpi
4	Copy Speed	1.7 ipm (Color); 32 seconds per copy; Max 20 pages
5	Scanner Type	Flatbed Only (No ADF)
6	Scan Resolution (Optical)	Up to 600 x 1,200 dpi
7	Display	3.04 cm (1.2 inch) LCD Segment Mono
8	Maximum Paper Capacity	100 sheets
9	Ink Tank Page Yield	6,000 pages (Black); 7,000 pages (Color); 2,000 sheets (4x6 Photos)
10	Duty Cycle	3000 Pages per month
11	Operating System Support	Windows 10, 11
12	Warranty	1-Year

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A3 Size Mono Multifunction Machine (Print-Scan-Copy) Specifications.
Qty.-01

#	Component	Description
1	Make & Model	Specify
2	Printing Speed	Up to 25 pages per minute (A4), Up to 12 pages per minute (A3), Up to 11 ppm (A4R), Duplex - Up to 13 pages per minute (A4), Up to 10 pages per minute (A3)
3	Print Resolution	600 x 600 dpi (Enhanced: up to 1200 x 1200 dpi)
4	Duplex Printing	Automatic Duplex
5	Copy Speed	Up to 25 cpm single-sided (A3/A4)
6	Scanner Type	Flatbed + ADF (Automatic Document Feeder)
7	ADF Capacity	100 Pages
8	Scan Resolution (Optical)	Up to 600 x 600 dpi
9	Scan Resolution (Enhanced)	Up to 1200 x 1200 dpi
10	Scan Speed (Mono)	100 ipm at 200 x 200 dpi
11	Scan Speed (Color)	100 ipm at 200 x 200 dpi
12	RAM Memory	2 GB (Standard), Up to 4 GB
13	Display	LCD Color Touch Screen
14	Standard Input Paper Cassette	1,150 sheets (Cassette 1)
15	Output Capacity	2,500 sheets
16	Toner Page Yield	~24,000 pages (per color at 5% coverage)
17	Duty Cycle	100,000+ pages/month
18	Connectivity	Gigabit Ethernet, USB, Optional Wi-Fi
19	Security Features	User Authentication, Document Encryption (AES 256-bit), Secure Print
20	Operating System Support	Windows, Windows Server, Linux, macOS
21	Power Consumption	Approx. 1.8 kW (Average Operation)
22	Warranty	1 Year On-Site (Extendable)
23	Certifications	Energy Star Certified, RoHS Compliant

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10 KVA On-Line UPS Specification

#	Component	Description
1	Make & Model	(Specify)
2	Rating in KVA	10.0 KVA /8000 Watts
3	Type of Design / Construction	Floor Standing
4	Display	Multi-functional LCD/LED display
5	Switching Technology	IGBT-PWM
6	Input Voltage	AC Single phase 160V - 260V 50Hz, Large input operating range, eliminates unnecessary battery discharge
7	Output Voltage	AC Single phase 230V +/-1% 50 Hz
8	Batteries	Without Batteries, inbuilt Advanced Battery Management System, Automatic Battery Charge in UPS Off Mode
9	Inbuilt isolation transformer	With Inbuilt isolation transformer, In-built Galvanic Isolation
10	Overall Efficiency	>=90% with Inbuilt isolation transformer
11	Power Factor	0.8 or better
12	Overload limit	50% Overload for minimum 3 seconds, 50% Overload for minimum 1 minute
13	Total Harmonic Distortion(THD) (%)	3% Maximum @ 100% Linear Load
14	Degree of Protection	IP20
15	DC Bus Voltage	192 Volts
16	Batteries	16 x 12V-65Ah
17	Special UPS Startup feature	UPS startup without battery, Static Bypass and Cold Start, Auto-restart Function
18	Filters	EMI/RFI and Noise Filter
19	Compatibility	Generator and Solar Compatible
20	Protection	Protection for under voltage at battery terminal, Protection of Over voltage, Short Circuit & over load at UPS output terminal, Over temperature protection
21	Metering	Input Voltage, Output Voltage, Input Frequency, Output Frequency, Input Power, Output Power, Input Power Factor, Output Power Factor.
22	Additional Features	Pure Sinewave AC Output
23	Accessories	Battery Rack, Batteries Interlink wires
24	Warranty	3 Years On-Site on UPS and 2-Years On-Site on Batteries.
25	Certifications	BIS, ROHS.

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06 KVA Online UPS Specifications

#	Component	Description
1	Make & Model	(Specify)
2	Rating in KVA	6.0 KVA /4800 Watts
3	Type of Design / Construction	Floor Standing
4	Display	Multi-functional LCD/LED display
5	Switching Technology	IGBT-PWM
6	Input Voltage	AC Single phase 160V - 260V 50Hz, Large input operating range, eliminates unnecessary battery discharge
7	Output Voltage	AC Single phase 230V +/-1% 50 Hz
8	Batteries	Without Batteries, inbuilt Advanced Battery Management System, Automatic Battery Charge in UPS Off Mode
9	Inbuilt isolation transformer	With Inbuilt isolation transformer, In-built Galvanic Isolation
10	Overall Efficiency	>=90% with Inbuilt isolation transformer
11	Power Factor	0.8 or better
12	Overload limit	50% Overload for minimum 3 seconds, 50% Overload for minimum 1 minute
13	Total Harmonic Distortion(THD) (%)	3% Maximum @ 100% Linear Load
14	Degree of Protection	IP20
15	DC Bus Voltage	192 Volts
16	Batteries	16 x 12V-42Ah
17	Special UPS Startup feature	UPS startup without battery, Static Bypass and Cold Start, Auto-restart Function
18	Filters	EMI/RFI and Noise Filter
19	Compatibility	Generator and Solar Compatible
20	Protection	Protection for under voltage at battery terminal, Protection of Over voltage, Short Circuit & over load at UPS output terminal, Over temperature protection
21	Metering	Input Voltage, Output Voltage, Input Frequency, Output Frequency, Input Power, Output Power, Input Power Factor, Output Power Factor.
22	Additional Features	Pure Sinewave AC Output
23	Accessories	Battery Rack, Batteries Interlink wires
24	Warranty	3 Years On-Site on UPS and 2-Years On-Site on Batteries.
25	Certifications	BIS, ROHS.

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**Line Interactive UPS 3.0 KVA with External
Batteries 90 minutes backup Specifications**

#	Component	Description	Complied	Remarks, references
1	Make & Model	(Specify)		
2	Rating in KVA	3.0 KVA /2400 Watts		
3	Type of Design / Construction	Floor Standing		
4	Display	Multi-functional LCD/LED display		
5	Batteries Type	External		
6	Degree of Protection	IP20		
7	DC Bus Voltage	96 Volts		
8	Batteries	08 x 12V-42Ah		
9	Additional Features	Pure Sinewave AC Output		
10	Accessories	Battery Rack, Batteries Interlink wires		
11	Warranty	3 Years On-Site on UPS and 2-Years On-Site on Batteries.		
12	Certifications	BIS, ROHS.		

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**Line Interactive UPS 3.0 KVA with Internal
Batteries 10 minutes backup Specifications**

#	Component	Description	Complied	Remarks, references
1	Make & Model	(Specify)		
2	Rating in KVA	3.0 KVA /2400 Watts		
3	Type of Design / Construction	Floor Standing		
4	Display	Multi-functional LCD/LED display		
5	Batteries Type	Inbuilt		
6	Degree of Protection	IP20		
7	DC Bus Voltage	96 Volts		
8	Batteries	08 x 12V-7Ah		
9	Additional Features	Pure Sinewave AC Output		
10	Warranty	3 Years On-Site on UPS and 1-Years On-Site on Batteries.		
11	Certifications	BIS, ROHS.		

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Annexure – `B`

COMMERCIAL BID

FORMAT & REQUIREMENTS

1. Tender Ref. No.:

2. Name of the Tenderer:

3. Address of the Tenderer:

#	Item Details	Model/ Part No.	OEM Make	Qty.	Rate w/o Taxes	Taxes	Total with Taxes
1	Desktop Core i5 with 4 GB Graphics			40			
2	Desktop Core i5 without Graphics			01			
3	Desktop Core i7			02			
4	Interactive Flat Panel Specifications			01			
5	Laptop Ultra 7 Specifications			01			
6	Laptop Ultra 5 Specifications			01			
7	Laptop Mac Book Air –M5 Specifications			01			
8	A4 Size Mono Multifunction Machine (Print- Scan-Copy) High End			01			
9	A4 Size Mono Multifunction Machine (Print- Scan-Copy) Mid- Range			01			
10	A4 Size Mono Multifunction Machine (Print- Scan-Copy) Low- Range			01			
11	A4 Size Colour Inkjet Multifunction Machine (Print- Scan-Copy)			01			
12	Basic A4 Size Colour Inkjet Multifunction Machine (Print- Scan-Copy)			01			
13	A3 Size Mono Multifunction Machine (Print- Scan-Copy)			01			

14	On-Line UPS 10 KVA			01			
15	On-Line UPS 06 KVA			01			
16	On-Line UPS 03 KVA with External Batteries			01			
17	On-Line UPS 03 KVA with Internal Batteries			01			

Total Price Inclusive of all Taxes -

Note: Tentative quantity may Increase/ Decrease

**Signature of the Tenderer with seal
Date & Time**

******END OF TENDER DOCUMENT******