



KUMAUN UNIVERSITY, NAINITAL
कुमाऊँ विश्वविद्यालय, नैनीताल।

ई-निविदा सूचना वर्ष 2024-25

परीक्षा अनुभाग, कुमाऊँ विश्वविद्यालय, नैनीताल के डिजिटलईजेशन कार्य हेतु दिनांक 03-12-2024 से 26-12-2024 के पूर्वान्ह 11:00 बजे तक ई-निविदाएँ उत्तराखण्ड राज्य के Public Procurement Portal www.uktenders.in में आमंत्रित की जाती हैं। जिसकी सूचना विश्वविद्यालय की वेबसाईड www.kunainital.ac.in से प्राप्त की जा सकती है।

कुलसचिव

सा0 / स्टोर / 2024-25 / 1019/सा-वी/ईमा/2024

दिनांक 03-12-2024

प्रतिलिपि:- निम्नलिखित को इस आशय से प्रेषित कि कृपया उक्त विज्ञापन को अपने समाचार पत्र में न्यूनतम स्थान में निर्धारित तिथि को प्रकाशित कर बिल 10 प्रतिशत की छूट के साथ दो प्रतियों में समाचार पत्र की प्रति सहित अधोहस्ताक्षरी को प्रेषित करें-

1. सम्पादक हिन्दुस्तान समाचार, नैनीताल को इस आशय के साथ प्रेषित कि कृपया उक्त विज्ञापन को अपने समाचार पत्र के उत्तराखण्ड संस्करण में दिनांक 04-12-2024 के अंक में प्रकाशित करने का कष्ट करें।

(डॉ0 एम0एस0 मन्द्रवाल)

कुलसचिव 03/12/24

प्रतिलिपि- निम्नलिखित को सूचनार्थ प्रेषित।

1. वित्त नियंत्रक, कुमाऊँ विश्वविद्यालय, नैनीताल।
2. निजी सचिव कुलपति को कुलपति जी के सूचनार्थ।
3. श्री के0के0 पाण्डे, कुमाऊँ विश्वविद्यालय, नैनीताल को इस आशय से प्रेषित कि उक्त निविदा को विश्वविद्यालय वेबसाईड में अपलोड किये जाने हेतु।
4. नोटिस बोर्ड।

(डॉ0 एम0एस0 मन्द्रवाल)

कुलसचिव

(TENDERBIDREFERENCE)

Kumaun University, Nainital (Uttarakhand)



e-TENDERDOCUMENT

for

Digitalisation of Examination Section

Kumaun University, Nainital

Official website: www.kunainital.ac.in

December 2024

**Kumaun University,
Office of the Registrar**

Email: registrar@kunainital.ac.in

Phone: 05942-235563

E-PROCUREMENT TENDER NOTICE

Kumaun University invites online bids as per Two Bids System (Technical and Financial) from reputed & eligible agencies through e-procurement for **Digitalisation of Examination Section, Kumaun University, Nainital**

Critical Date Sheet

Bid Document Download/Starts Date & Time	:	03 December, 2024 – 2.00 p.m.
Date of Pre-Bid meeting	:	09 December, 2024 - 11:30 a.m.
Bid Submission Start Date and Time	:	11 December, 2024 - 04:00 p.m.
Bid Submission End Date & Time	:	26 December, 2024 - 11:00 a.m.
Date and time of opening of Bids (Technical)	:	26 December, 2024 - 11:30 a.m.
Bid Opening Date	:	Will be intimated to the qualified bidders at a later date
EMD	:	Rs. 1,19,900=00

Notes:

- 1- All details regarding the subject tender are available on websites <https://www.uktender.gov.in> Any change/ modification in the Tender Enquiry/ Tender Document will be intimated through above websites only. Bidders are therefore, requested to visit the websites regularly to keep themselves updated.
- 2- Bids shall be submitted online only at website: (<https://www.uktender.gov.in>). Manual bids shall not be accepted.
- 3- EMD should reach the Office of the Registrar, Kumaun University, Mallital, Nainital – 263001 Uttarakhand on or before the end date and time of bid submission, failing which offer will be liable for rejection. Bidders, however have to attach scanned copy of EMD documents along with their e-tender.
- 4- **Clarifications/queries, if any, can be addressed to the Personal Officer, Office of the Registrar on telephone# 05942-235563 and email: registrar@kunainital.ac.in**


Registrar

1 - Standard Terms and Conditions

- 1.1 PAN card copy will have to be uploaded in the portal.
- 1.2 GST Registration copy will have to be uploaded in the portal.
- 1.3 All items mentioned in the bid should be of Original OEM. Duplicate/Assembled items will not be accepted and in case of duplicate/Assembled items the respective bid will be rejected.
- 1.4 Offered product's Make & Model number must be clearly mentioned.
- 1.5 The bidder is required to upload self-attested copies of Income Tax Returns (ITR) for Assessment Years 2022-23, 2023-24, and 2024-25 in the online portal as part of the technical bid submission process.
- 1.6 The receipt/draft of the tender form fee must be uploaded in the technical bid, and the original copy should be placed in the technical envelope and submitted to the university. Without it, the bid may be considered incomplete or invalid.
- 1.7 The Estimated cost of material is Rs. 59,95,000-00 (₹ Fifty Nine Lakh Ninety Five Thousand only) The Earnest Money Deposit (EMD) amount of ₹ 1,19,900-00 (One Lakh Nineteen Thousand & Nine Hundred only) is fixed. The EMD amount must be submitted by the bidder in the form of a demand draft, pay order, banker's cheque, or bank guarantee, which must be issued in the name of the Finance Officer, Kumaun University, Nainital, and must be drawn from a commercial bank and payable in Nainital.

The EMD amount, in whatever form it is submitted, must be uploaded in the technical bid section of the designated portal, and the original copy must be kept in the technical envelope and made available to the university. The EMD must be valid for at least 03 (three) months after the tender submission date.

The EMD of successful bidders will be retained by the university. In case the bidder withdraws the tender after submission or fails to execute the required agreement within the specified period, the EMD will be forfeited.
- 1.8 All bidders are required to upload the following documents related to GST compliance
1- A **No Due Certificate** issued by the competent authority, confirming that the bidder has no outstanding GST liabilities. If the bidder is registered in the State of Uttarakhand, the referenced certificate must be issued by the Jurisdictional Tax Authority under whose jurisdiction the supplier falls. In cases where the supplier is under central jurisdiction, the referenced certificate must be issued by the State Tax Authority within whose geographical limits the centrally administered supplier is located.

For bidders registered in any state outside Uttarakhand, the referenced certificate must be issued by the jurisdictional tax authority where the supplier is registered.

2- GST Statement/Returns confirming that all GST returns have been filed for the relevant period.
- 1.9 The bidder should have an average annual turnover of not less than Rs.02 Crore each year in the last three financial years (considering FY— 2021-22, 2022-23, 2023-24). Bidder shall have to submit Audited Balance Sheet/Audited Accounts/Auditor Certificate in support of their claim.
- 1.10 The bidder shall have executed similar nature of orders of an amount of not less than Rs. 1.5 Crore out of which at least one single order must be and amount of Rs. 50 Lac, in the last three financial years (2021-22, 2022-2023, 2023-2024) in Government Departments/PSUs/autonomous body/any reputed organization. (Attached purchase orders).

- 1.11 The Bidder should provide bid specific OEM authorization for all products quoted.
- 1.12 Certificate of compliance with the technical specification of items to be issued by the bidder on his letterhead.
- 1.13 Original Equipment Manufacturer (OEM) must have a Functional Service Centre within state of UTTARKHAND to provide mandatory ONSITE support. Valid trade license CST certificate should be uploaded along with the bid for proof of this.
- 1.14 The Bidder must not be blacklisted. Please submit self-declaration in bidder's letter head pad.
- 1.15 Desktop OEM should be among top five companies as per latest IDC rating.
- 1.16 The bidder must enclose the undertaking for replacement of defective items/parts and software problem at on site (customer's site) within 48 hrs without any extra cost.
- 1.17 Bidder must upload undertaking from the OEM regarding the preloaded Operating System.
- 1.18 The bidder must upload clear details of Make and Model number of each item in the portal.
- 1.19 Installation of LAN - The Bidder shall be responsible for -
Network Design - Provide a layout and design for the LAN setup, considering office space, user locations, and equipment distribution.
Wiring and Cabling - Install appropriate Ethernet cables (Cat6 or higher) in all designated workstations, meeting rooms, and common areas.
Network Switches and Routers - Provide and install network switches, routers, and any required equipment for optimal network performance.
Patch Panel Setup - Install a structured patch panel system for better network organization and future scalability.
Wi-Fi Access Points - Install Wi-Fi access points (APs) in designated areas to ensure wireless coverage throughout the office space.
Testing and Certification - Perform testing on all cables, ports, and devices to certify that they meet industry standards.
Documentation - Provide detailed documentation of the LAN layout, wiring diagrams, and equipment installed.
- 1.20 Tender Fee (Non-Refundable) - Rs. 4,000.00 (Rs. Four Thousand only). To be submitted manually at the Office of the Registrar, Kumaun University Mallital, Nainital – 263001 Uttarakhand on or before the end date and time of bid submission.
- 1.21 Selected bidder will supply the material at scheduled destination/Examination Wing of the Kumaun University within 30 days of issue of Order and release of relevant documents for which no extra cost will be paid.
- 1.22 Opening of the Financial Bid of only those vendors whose technical bid qualifies in the technical evaluation. The date will be notified to the qualified vendor only.
- 1.23 Clarification/Queries, if any, can be addressed to
Senior Personal Assistant,
Office of the Registrar,
Kumaun University Mallital, Nainital
Uttarakhand. Pin - 263001
Phone No.: 05942 - 05942-235563
Email: registrar@kunainital.ac.in



2- Purchase of equipments

Sl.	Particulars	Quantity	Warranty in years
1.	Laptops	10	01 year
2.	PC i5	10	01 year
3.	PC i7	05	01 year
4.	Heavy Duty Printers	02	01 year
5.	Heavy Duty Shredder	03	01 year
6.	Answer Copy Scanner	01	01 year
7.	Lamp Scanner	05	01 year
8.	ADF Scanner	05	01 year
9.	LAN in Ground Floor and First Floor	One Time	
10.	Online UPS and other miscellaneous items for Networking	One Time	
Bid Estimated cost is -			Rs. 59,95,000-00

3- Time for Completion

The maximum completion and delivery time for the proposed work is one month (30 days) from the date of order issued by the University.

4- Preparation of Bid

- 4.1 **DOCUMENTS COMPRISING THE BID:** The bid document is comprised of this complete document along with duly filled and signed bid proposal sheets and schedules to this document.
- 4.2 All communication will be in the English language only. All correspondences and other documents pertaining to this bid document and subsequent contract will be in the English language.
- 4.3 Rates shall be written both in words and figures. There must not be errors and/or over writings. Corrections, if any, should be made clearly and initialed by the authorized signatory of the bidder along with dates. If any variation is found between the amount written 'in words' and 'in figures,' the amount written in words will only be considered.
- 4.4 **Cost of Bidding:** The Bidder shall bear all costs associated with the preparation and submission of its bid and the University shall in no event or circumstance be held responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.
- 4.5 All taxes, VAT, GST, Octroi, Local taxes, etc., to be paid by the Bidder for the Work/Service, and any claim for extra payment on any such account shall not be entertained.
- 4.6 No alterations or additions anywhere in the Bidder Document are permitted. Corrections, if any, should be made clearly and initialed by the authorized signatory of the bidder along with dates. If any of these are found, the Bid may be summarily rejected.
- 4.7 In case of Private Limited/Public Limited companies, the power of attorney shall be supported by a Board Resolution and appropriate and adequate evidence in support of the same shall be provided.
- 4.8 Bidder shall properly number the documents attached with the Bid as

- support/documentary evidences, and a reference of such page numbers shall be provided in the Bid.
- 4.9 All pages and pasted slips should be signed by the Bidder. Corrections, if any, must be signed. No pages shall be added or removed from the set of Bid Document.
- 4.10 The Bidder shall submit the Bid which satisfies each and every condition laid down in this tender document, failing which the Bid will be liable to be rejected. Conditional Bids will be rejected.
- 4.11 Bidders are advised to follow the instructions provided in the 'Instructions to the bidder for the e-submission of the bids online through e Procurement at <https://www.uktender.gov.in>
- 4.12 Bidder who has downloaded the tender document from the website (<https://www.uktender.gov.in>) shall not tamper/modify the tender form including downloaded financial bid template in any manner. In case if the same is found to be tempered/modified in any manner, bid will be completely rejected and EMD would be forfeited and bidder will be liable to be banned from doing business with Kumaun University, Nainital.
- 4.13 Validity of Tender - One hundred and twenty days from the date of opening of tender. During the period no bidder shall be allowed to withdraw his tender. In case of withdrawal, the EMD submitted by the bidder shall be forfeited and no claim shall be entertained in this regard.

5- Clarification on Bidding Documents

If the prospective bidder is in doubt as to the true meaning of any part of the bid document, he/she shall at once make a request in writing for an interpretation/clarification to the University. The University shall issue interpretation/clarification as it may think fit in writing. The University will not respond to any clarifications sought by the bidders after the pre bid meeting.

6- Collection of Bidding Document

The bid documents can be downloaded from the website (<https://www.uktender.gov.in>).

7- Bid Price

- 7.1 The bidders shall quote in the appropriate schedule of the bid form, lump sum firm price and also the unit rates of the work, it proposes to supply and services rendered under the contract. All the work is to be quoted on a 'Firm Price' basis. Schedule of financial bid in the form of BOQ_XXXX.xls
- 7.2 All currency is to be quoted in Indian Rupee only.
- 7.3 The tender rate should be inclusive of all taxes, transportation and handling rates and installation charges.
- 7.4 Tender will be sanctioned on the basis of lowest price (L-1) of each item.

8- Duties & Taxes

- 8.1 All taxes like GST, Sales Tax, Service Tax and other levies payable by the bidders in respect of the transaction between their vendor/suppliers while procuring the material shall be included in the bid price and no separate claim on these behalf will be entertained by the owner.
- 8.2 If any taxes are required statutorily to be deducted at source, the owner (the University) shall be entitled to deduct the same while making payment.
- 8.3 In the event of any increase in taxes/duties, the extra liability on account of these



taxes shall be not borne by the Kumaun University, Nainital.

9- Freight & Insurance

- 9.1 The bidder shall make all arrangements towards safe and complete delivery at the designated locations indicated by the University in the Purchase Order. Such responsibility on part of the bidder will include taking care of insurance, freight, state-level permits, etc., as applicable. The bidder will keep the University informed of various stages of deliveries.

10- Bid Validity

- 10.1 Bid shall remain valid for a period not less than 120 days after the deadline date of bid submission as specified, which may be extended with mutual consent. A shorter bid validity period shall be rejected as non-responsive.

11- Submission of Bid

- 11.1 Bids shall be submitted online only at website (<https://www.uktender.gov.in>).
- 11.2 The Tender Committee set up by the University will first open the Technical Bid.
- 11.3 The Tender Committee constituted by the University will shortlist successful bidders.
- 11.4 The bidders, who were found qualified in the Technical Bid, will be intimated in due course. After the technical evaluation of the bids, the University will open the 'Financial bid' of all technically qualified bidders. The lowest financial bid shall be considered for the award of contract.

12- Evaluation & Comparison of Bids

- 12.1 Technical comparative statement will be prepared on the basis of the documents submitted by the bidder.

13- Award of Contract

- 13.1 The notification of award/letter of award will constitute the formation of the contract. The University will promptly notify each unsuccessful bidder and will return the earnest money without any interest on the earnest money.
- 13.2 The University reserves the right to accept any bid or to reject any or all bids without assigning any reasons, whatsoever.
- 13.3 The University reserves the right to accept or reject any bid, and to cancel the bidding process and can also reject all bids at any time prior to the award of the contract, without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders of the grounds for the University's action.
- 13.4 Security Deposit/Performance Security:
Within 15 days of notifying the acceptance of the proposal for the award of contract, the Service Provider shall furnish the Performance Guarantee of 10% of the contract value for the entire contract period as its commitment to perform services under the contract from a Nationalized Bank, which shall be accepted in the following forms and shall be in favour of 'Finance Officer, Kumaun University Nainital' with a validity of months as under:
i. Fixed deposit receipt (FDR) of a nationalized bank (60 days validity) ii. Bank Guarantee (60 days validity)



- ii. Bank Guarantee (60 days validity).
- iii. Demand Draft.

14- Prices

14.1 **Schedule of financial bid in the form of BOQ_XXXX. Xls**

15- Terms of Payment

- 15.1 The vendor will submit three copies of accurate invoices on the letterhead bearing GSTN, TAN no, etc., of the company with the signature of the authorized signatory and the seal of the organization.
- 15.2 The payment will be made by the University in Indian Rupees through RTGS/NEFT, etc., to the supplier after receiving the internal approvals from the respective authorities and adjustments of the liquidating damages, if any.
- 15.3 The payment to the contractor will be made by the Owner (the University) on the recommendations of the competent authority of the University as specified below:

16- Jurisdiction of Contract

- 16.1 The laws applicable to the contract shall be the laws in force in India. The courts of Nainital only shall have exclusive jurisdiction in all matters arising under this contract.

17- Completion of Contract

- 17.1 The University will issue a certificate of completion on successful completion of the work to the contractor as specified in the contract.

18- Forfeiture of EMD

- 18.1 In case the bidder who has been awarded the work contract refuses to accept the Work contract issued by the University or fails to respond to the letter of award of work by the University in 07 days' time, then the EMD paid by the bidder will be forfeited.

19- Termination of Contract

- 19.1 The University will terminate the contract in the following ways:
 - a. The term of Contract expires.
 - b. Termination of Contract by the University due to non-performance during the execution of the Project.
 - c. Performance is below the expected level.
 - d. Non-adherence to the timelines of the project.
 - e. Quality of work is not satisfactory.



Finance Controller
Kumaun University Nainital



Registrar
Kumaun University Nainital

2. Laptops

Minimum Technical Specifications	
Processor	Intel i5-13th Generation or Higher, upto 3.40 GHz Speed (Minimum 12MB Cache, Minimum 10 Cores)
Graphic	Integrated Graphics
Ram	16GB DDR4/LPDDR4 or Higher
Storage	Minimum 512 GB SSD
Screen Size	Minimum 14.0" FHD with backlit and spill resistant Keyboard
Port(s)	Minimum 1 USB 3.2 Port Minimum 1 Type-C port Minimum 1 Universal audio port Minimum 1 HDMI 1.4 port Minimum 1 RJ45 Ethernet port
Battery	Minimum 3 Cell Battery with Minimum 3 hours backup
Camera	HD camera, Built-in dual mics
OS	Factory Preloaded with Microsoft windows 11 Home with Life time validity
Warranty	One Year warranty including Battery
Software	MS Office Home and Student 2021 with lifetime validity
General Certification	Energy Star 8.0, RoHS, FCC, CE, UL, EPEAT India Registered, ISO 9001:2013 or higher

Ashish Mehta
27/02/2024

Mehta
27/2/24
C.O.E.

3. All in one PC (i5 Generation)

Minimum Technical Specifications	
Form Factor	All in One Desktop
Processor	Intel Core i5 13th Generation Processor or Higher, (up to 4.4 GHz with Intel Turbo Boost Technology, Minimum 12 MB L3 cache, Minimum 10 cores, Minimum 12 threads)
Chipset	Latest Intel Q Series Chipset or equivalent
Graphics	Integrated Graphics
Memory	Minimum 8GB DDR5 RAM or better
Hard Drive	Minimum 512 GB SSD
Audio	Integrated audio controller
NIC	On-board 10/100/1000 Mbps NIC
Connectivity	Integrated On Board 802.11bgn/ac +WiFi+Bluetooth 5 or better
Keyboard	OEM Keyboard (Same make as PC)
Mouse	OEM Optical Scroll mouse (Same make as PC)
Ports	Min 1 HDMI, Min 1RJ45 Port, Min 1 Universal Audio jack, Min 4 USB ports
Display	23.8" or higher FHD LED display
Camera and Speaker	Inbuilt FHD Camera and Speakers
General Certification	Energy Star 8.0, RoHS, FCC, CE, UL, EPEAT India Registered, ISO 9001:2013 or higher
Operating System	Factory Preloaded with Microsoft windows 11 Home with Life time validity
Application software	Microsoft Office Home & Student Edition 2021
Accessories	With required connecting cables, drivers, system recovery or Cloud image & power cable(s)
Warranty	1 Years Comprehensive on-site warranty

Apurva Mehta

Jan 27/2/24
C.O.E.

4. All in One Desktop (i7 Generation)

Minimum Technical Specifications	
Form Factor	All in One Desktop
Processor	Intel Core i7 13th Generation Processor or Higher, (up to 4.7 GHz with Intel Turbo Boost Technology, Minimum 12 MB L3 cache, Minimum 10 cores, Minimum 12 threads)
Chipset	Latest Intel Q Series or equivalent
Memory	Minimum 16GB DDR5 RAM
Primary Hard Drive	Minimum 512 GB SSD
NIC	On-board 10/100/1000 Mbps NIC
Connectivity	Integrated On Board 802.11bgn/ac +WiFi+Bluetooth5 or better
Keyboard	OEM Keyboard (Same make as PC)
Mouse	OEM Optical Scroll mouse (Same make as PC)
Ports	Min 1 HDMI, Min 1RJ45 Port, Min 1 Universal Audio jack, Min 4 USB ports
Display	Minimum 23.8" or higher FHD LED display
Camera and Speaker	Inbuilt FHD Camera and Speakers
General Certification	Energy Star 8.0, RoHS, FCC, CE, UL EPEAT India Registered, ISO 9001:2013 or higher
Operating System	Factory Preloaded with Microsoft windows 11 Home with Life time validity
Application software	Microsoft Office Home & Student Edition 2021 or more
Accessories	With required connecting cables, drivers, system recovery or Cloud image & power cable(s)
Warranty	1 Year Comprehensive on-site warranty

Apurva Menon
20/10/2024

June
27/2/24
C.O.E.

5. Heavy Duty Printers

Minimum Technical Specifications	
Machine Type	A3 Monochrome Laser Multifunctional
Core Functions	Print, Copy, Scan, Send, Store and Optional Fax
Processor Speed	1.8GHz Dual Core Processor or more
Control Panel	Intuitive Minimum 10.1 inch Colour Touch panel
Memory	Standard: RAM 3.5GB or more
Storage	Standard: (SSD) 128 GB or more
Interface Connection	NETWORK
	Standard: 1000Base-T/100Base-TX/10Base-T
	Optional: Wireless LAN (IEEE 802.11 b/g/n)
OTHERS	Standard: USB 2.0 (Host) x1, USB 3.0 (Host) x1, USB 2.0 (Device) x1;
	Optional: Serial Interface, Copy Control Interface
Paper Supply Capacity (A4, 80 gsm)	Standard: 1,200 sheets or more
Paper Output Capacity (A4, 80 gsm)	Standard: 250 sheets or more
Finishing Capabilities	Collate, Group, Offset, Staple, Saddle Stitch, Hole Punch, Eco Staple, Staple On Demand ¹
Supported Media Types	Multi-purpose tray: Thin, Plain, Heavy ² , Recycled, Coated ³ , Color, Tracing, Bond, Transparency, Label, Pre-punched, Letterhead, Envelope
	Upper Cassette: Thin, Plain, Heavy, Recycled, Color, Bond, Transparency, Pre-punched, Letterhead, Envelope
	Lower Cassette: Thin, Plain, Heavy,

Handwritten signature and date:
 28/12/24

Handwritten signature and date:
 27/12/24
C.O.F.

	Recycled, Color, Bond, Transparency, Pre-punched, Letterhead, Envelope4
Supported Media Sizes	Multi-purpose tray: Standard size: SRA3, A3, A4, A4R, A5, A5R, A6R, B4, B5, B5R Envelopes: COM10 No.10, Monarch, ISO-C5, DL
	Upper Cassette: Standard size: A4, A5, A5R, A6R, B5
Networking Feature	10/100/1000 Base-T Ethernet, High-Speed USB 2.0 direct print
Scan Features	Scan Preview, Scan to USB/Email/Network (FTP/SFTP/SMB)
Scan File Formats	PDF, PDF/A, XPS, JPG, TIFF; convenience features: Scan to Home, Searchable PDF, Single/Multi-page PDF/XPS/TIFF, Password-protected PDF

Arash Malik
29/12/2014

Jud
27/2/21
C.O.E.

6. Scanners (LAMP)

Minimum Technical Specifications	
Capture Size	Upto A4
Image Sensor	5.0 Mega Pixels CMOS
Capture Speed	Instantaneous
Image Input	24 bit
Light Source	Natural + LED Light
OCR	More Than 180 Language
System Requirements	Windows
Customization	SDK, API and Twain Available
Resolution	Minimum 2592X1944
Picture Format	JPG/ PDF/ TIF/ PNG/ BMP
Interface	VGA, USB 2.0, CVBS, HDMI
Image Processing	Brightness, Contrast, Sharpness, Saturation, Gamma, Rotation, Mirroring, etc
Packaging Details	Document Camera, CD-ROM, USB-cable, HDMI Cable, Remote Control, Users Manual

Aditya Mehra
27/02/24

June
27/2/24
C.O.E.

7. Scanners (ADF)

Minimum Technical Specifications	
Scanner Type	Flatbed, ADF (Automatic Document Feeder), Duplex
Scanning Speed	Simplex: Minimum 40 ppm (200/300 dpi) Duplex: Minimum 80ipm (200/300 dpi)
Color Scanning	Feature for Black & White, Grey and Color scanning
Optical Resolution	600 x 600 dpi or higher
Supporting File Format	PDF, Searchable PDF, JPEG, PNG, BMP, TIFF, TXT
Document Size Supported	A4, Legal or above Paper (banner, inkjet, photo, plain), envelopes, labels, cards
Connectivity	USB 2.0 or higher, Ethernet LAN
ADF/Feeder Capacity	50 or above Pages
Power Requirements	AC 100 to 240 V ± 10 % with necessary cable/adaptor
Twain version	TWAIN Certified. Version 2.0 or above
Memory	64 MB or higher
Control panel	Sleep/Power button along with LED Lights
Energy star certified	Yes
Warranty	1 Years with on-site support
Software	Included OEM provided software and Drivers
Other Accessories	All cables and Output tray
Imaging Features	Auto colour detection, Blank Page Detection, Content-based blank page removal, Border Removal, Background Smoothing, Image Rotation, Punch Hole Removal, Merging (Front and Back images), automatic brightness and contrast, profile sets



 A. J. Melts

 28/10/2024



 Handwritten signature: J. Melts

 Date: 27/12/24

 Stamp: G.O.E.

8. Heavy Duty Shredder

Specifications

- Suitable for office with bin overload, open door, overheat and paper jam indicator
- Shredders cross cut paper, cd, credit card and staples with auto start/stop facility
- Caster wheels helps in moving it easily as per your convenience
- Feed opening of minimum 300 mm with a security level 3 and a bin capacity of 80L
- Shredders minimum 30 sheets at a time, manufacturer warranty of 1 year
- Shreds paper into minimum 3 x 25 mm confetti cut strips
- Paper Size Support: A3,A4 and legal
- Security Level as per DIN66399: P1 or better
- Length of Cable with 3-pin moulded Plug in metres: Minimum 3 Mtr
- Conformity to Particle Size as per Standard DIN66399, Shreds credit cards and CDs, paper clips and staples can also be shredded along with the paper; The shredder's continuous working cycle means it won't have to shut down to rest; bin with indicator when bin is full; Sound level should be not more than 70 db, Use with original GBC supplies for guaranteed performance

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22/10/2024

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9. Answer Booklet Scanner

Minimum Technical Specifications	
Scanner Type	ADF (Automatic Document Feeder) / Manual Feed / Flatbed, Duplex
Scanning Speed	Simplex: 100 ppm (200/300 dpi) Duplex: 200 ipm (200/300 dpi)
Color Scanning	Feature for Black & White, Grey and Color scanning
Optical Resolution	Upto 600 dpi
Supporting File Format	jpg, jpeg2000, tiff, tiff G4, png, gif, bmp, pdf (incl. OCR layer), XML, DJVU
Image Sensor Type	Color CCD x 3 (front x 1, back x 1, Flatbed x 1)
Rotating Automatic Document Feeder	Should Allow the automatic document feeder to rotate up to 180 degrees for easy scanning in a variety of workspaces
ADF Capacity	300 Pages
Document Size Supported	A4, Legal or above Paper (banner, inkjet, photo, plain), envelopes, labels, cards
Power Requirements	AC 100 to 240 V $\pm 10\%$ with necessary cable/adapter
Twain version	TWAIN Certified
Energy star certified	Yes
Warranty	1 Years with on-site support
Software	Included OEM provided software and Drivers
Other Accessories	All Associated accessories such as cables
Imaging Features	Multi image output, Automatic color detection, Blank page detection, Dynamic threshold (iDTC), Advanced DTC, SDTC, Error diffusion, De-Screen, Emphasis, Halftone, Dropout color (None/Red/Green/Blue/White/Saturation/Custom), sRGB output, Hole punch removal, Index tab cropping, Split image, De-Skew, Edge correction, Vertical streaks reduction, Cropping, Dither, Static threshold, Divide Long Page, Multifeed Detection- Overlap detection (Ultrasonic sensor), Length detection

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27/02/2024

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10. Local Area Networking (For two floors)

Characteristics	Min. Required Specification
Features	Category 6 Unshielded Twisted Pair 4 pair 100Ω cable shall be compliant with ANSI/TIA/EIA-568-B.2-1 Additional Transmission Performance Specifications for 4-pair 100Ω Category 6 Cabling.
	Category 6 UTP cables shall extend between the work area location and its associated telecommunications closet and consist of 4 pair, 23 AWG, UTP Non-Plenum cable jacket.
	The 4 pair Unshielded Twisted Pair cable shall be UL Listed
	All Category 6 cables shall meet or exceed the following characteristics:
Mechanical Characteristics	Construction: 4 twisted pairs separated by internal X shaped, 4 channel, polymer spine / full separator. Half shall not be accepted.
	Conductor Solid Copper
	Insulator Polyolefin
	Jacket PVC
	Max. Temperature - As per Site Conditions

Note: LAN Cable to supplied with below associated components

- a. Gang Box as per required number of points
- b. I/O box as per required number of points
- c. faceplates as per required number of points
- d. 9U/12U Rack as per site conditions along with 24 Port Patch Panel and patch cords
- e. Minimum 24 Ports L2 Switch
- f. 1 Kva UPS with 30 minutes power backup

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15KVA UPS with 90min back up		
UPS	15	KVA
PF	0.8	
DC POWER	12000	W
INVERTER EFF	0.94	
WATTAGE	12765.95745	
NO. OF BATTERIES	32	
WATTAGE/BATT	367.9361702	
ECV	1.75	V
DC BUS VOLTAGE	336	V
DC CURRENT	37.99392097	A
WATTAGE/BATT OFFERED	378,100AH,32nos	Exide/ Quanta
Inbuilt Charger-3-13A (Selectable)		

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15 KVA, Uninterruptible Power Supply (UPS) System

PART 1 - GENERAL

1.1 SUMMARY

- A. **Scope:** This specification describes the operation and functionality of a continuous duty, single-phase, solid-state, static Uninterruptible Power Supply (UPS)
- B. **UPS Capacity:** 15 kVA, and shall be both Tower as well as Rack convertible.
- C. **Included Features of the UPS:**
1. UPS shall be with Unity output Load PF i.e. kVA = kW
 2. UPS shall be Three Phase In and Three Phase Out.
 3. The same UPS also shall be capable to operate with configuring as
 - a.) 3 Phase Input and 1 Phase Output
 - b.) 1 Phase Input and 1 Phase Output.
 4. The UPS shall be double conversion online topology designed to protect electronic equipment by supplying reliable, network-grade power featuring extremely tight voltage and frequency regulation.
 5. The UPS shall be with input power factor correction (PFC).
 6. The UPS contains a battery charger, which operates from the DC bus.
 7. For future enhancement, it shall be possible to parallel minimum 4 number of UPS.
 8. Common Battery Bank for parallel UPS up-to 4 numbers shall also be available.
 9. It shall be possible to connect Hot Swappable Batteries (Rack Mount Pluggable batteries) with the UPS.
 10. UPS shall be MADE IN INDIA.

1.2 REFERENCES

- A. **General:** The publications listed below form a part of this Specification to the extent referenced. The publications are referred to in the text by the basic designation only. The edition/revision of the referenced publications is the latest date as of the date of the Contract Documents, unless otherwise specified.
- B. **International Organization for Standardization (ISO):**
1. ISO 9001, "Quality Management Systems - Requirements."
 2. ISO 14001
 3. ISO 50001:2018
 4. ISO 45001:2018
- C. **OEM Presence in India :** The OEM shall be present in India from minimum 10 Years with Overall UPS business of > 400 Cr in India from last 3 years consistently.

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TECHNICAL SPECIFICATION OF On-line ups				
Sr. No.	Features	Description	Complied Yes/No Mention the value	Deviations if any
1	Make	Vendor to Specify (Online UPS)		
2	Model	Vendor to Specify		
3	Capacity (in kVA / kW)	15 kVA, O/P PF Unity i.e. 15 kVA/15 KW		
4	Configuration	Future Parallel Capability – Up to 4 with Common Battery		
5	Technology and Capability	a) True Online configuration with double conversion VFI SS 111		
		b) Microprocessor /DSP based control, using IGBT devices and high switching frequency PWM (>15kHz)		
		c) Active Power Factor Correction (APFC) in converter to improve Input Power Factor > 0.95		
		Rack & Tower Convertible Both		
6	Input facility - Phases / Wires	3 Phase IN & 3 Phase Out. The same UPS shall be capable for 3 IN:1OUT and 1IN:1 OUT as well.		
7	Input Voltage Range	280– 490 V AC (L-L) @ Full Load		

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8	Input Frequency Range	40 to 70 Hz		
9	Input Power Factor	> 0.95 on Full Load		
10	Generator Compatibility	Compatibility to genset supply required		
11	Audible Alarm	Should be provided		
12	Nominal Output voltage	380/ 400/ 415 VAC (Selectable) AND 220/ 230/ 240 VAC (Selectable)		
13a.	Output Connections	Hard Wire / Terminal Block		
13b.	Non Essential Load Disconnect Capability	Circuit Breaker shall be available on the UPS Module which can disconnect non-essential loads up-to 16Amps during the overloading condition.		
14	Nominal Output Frequency	50 / 60 Hz		
15	Out Wave Form	Pure sine wave		
16	Output Voltage Distortion (THDu)	$\leq 2.5\%$ for Linear load		
17	Crest Factor	3 : 1		

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18	Output Short circuit Protection	Electronic / Fused		
19	Transfer Time (Mode of operation)	Nil from Mains mode to Battery Mode		
		Nil from Battery Mode to Mains mode		
20	Transfer Time (Inverter to Bypass / Bypass to Inverter)	< 4 ms (Synchronized Mode)		
21	Automatic Bypass (In-built)	To be provided		
22	Overall Efficiency (AC to AC) - Online (Double Conversion)	Up-to 96%		
23	Green Mode / Eco Mode	Shall be provided		
24	Measurements (On LCD)	Input: Voltage / Frequency		
		Output: Voltage / frequency		
		Battery: Remaining time / Voltage		
		Load: Percentage / kW		
25		Charger Failure		
		Battery Failed		

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	Fault Indication (On LCD)	Battery Low		
		Overload		
26	Indications (LED/LED)	AC indicator/Battery Mode of Operation / Bypass feeding the load / UPS Fault		
27	Audible Alarms	Battery Low / UPS Overload beep / UPS on Bypass		
28a	Backup Required	60 Min back up at 0.8 PF and 1.75 ECV with 15% aging Calculations to be submitted by the OEM (Minimum VAh		
28b	Battery Type	12V VRLA		
29	Battery Bank Voltage	Vendor to Specify		
30	Batteries Type	Sealed Maintenance Free (SMF) - 12V Cells		
31	Battery Makes	Quanta / Exide / Panasonic		
32 a.	Battery recharge time (After complete discharge) to 90% capacity	8-10 hours		
32 b.	UPS Charger	Shall be selectable as per Battery Ah.		
33	USB Port	Shall be present in the UPS		

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34	Emergency Power Off	Should be provided as standard in the UPS		
35	NMC	Web Enabled NMC Card shall be provided with each UPS to monitor and manage the UPS in TCP/IP network environments and shall be capable of gracefully shutting down one or more operating systems during the time when the UPS is in on-battery mode.		
		Shall also be able to support/Shutdown Linux Server & VMWare Machine ESXi support.		
		IPv6 Support shall be available		
		BACnet/IP and Modbus TCP Support		
		Possible to add Temperature Sensor / humidity sensor to NMC Card and Aux Dry Contact's as well		
36	Cold Start	UPS should start up		
		On AC Supply (Mains) without DC Supply (Batteries)		
		On DC Supply (Batteries) without AC Supply (Mains)		
37	Automatic Restart	UPS should start up automatically on mains resumption after battery low shutdown		

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38	Operating Temperature	0 to 40 deg C		
39	Storage Temperature	-15 to 55 deg C		
40	Operating Humidity	0% ~ 95%RH (No Condensing)		
41	Operating Elevation	0 - 1000 m without derating		
42	Type of Cooling	Forced Cooling through cooling Fans		
43	Noise Level	<65 dbA at 1 meter distance		
44	Form Factor	Rack & Tower mountable both		
45	Dimension (w x d x h) in mm	To be furnished by the vendor		
46	Weight - in kg	To be furnished by the vendor		
47	Product Certificates	IEC62040-1,2, CE		
48	UPS Make	UPS: APC-Schneider / Socomec / Luminous / ABB / TMEIC		
49	Battery temp Compensation Charging	Provision shall be available		
50	Warranty	2 Year on UPS 2 Years on Battery		
51	Make In India	Yes, Required		

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PART 3 – EXECUTION

A. Visual Inspection:

1. Inspect equipment for signs of damage.
2. Verify installation per manufacturer s instructions.
3. Inspect battery modules.

B. Electrical Inspection:

1. Verify correct input and bypass voltage.
2. Verify correct UPS control wiring and terminations.
3. Verify voltage of all battery modules.
4. Verify that neutral and ground conductors are properly landed.
5. Inspect external service bypass panel for proper terminations.

C. Site Testing:

1. Ensure proper system start-up.
2. Verify proper firmware control functions.
3. Verify proper firmware bypass operation.
4. Verify proper bypass switch operation (where applicable).
5. Verify proper inverter operation and regulation circuits.
6. Simulate utility power failure.
7. Verify proper charger operation.
8. Document, sign, and date all test results.

3.2 FIELD QUALITY CONTROL

A. Manufacturer Field Service:

1. **Worldwide Service:** The UPS manufacturer has a worldwide service organization available, consisting of factory-trained field service personnel to perform startup, preventive maintenance, and service of the UPS system and power equipment. The service organization offers service support 24 hours a day, 7 days a week, 365 days a year.
2. **Replacement Parts:** Parts are available through the worldwide service organization 24 hours a day, 7 days a week, 365 days a year. The worldwide service organization is capable of shipping parts within four working hours or on the next available flight, so that the parts may be delivered to the customer site within 24 hours.

*Ashley
Peters*

John
C.O.E.



कुमाऊँ विश्वविद्यालय, नैनीताल
KUMAUN UNIVERSITY, NAINITAL

Tender form

- 1- Name of the bidder-
- 2- Address of the bidder -
- 3- Name of the bidders firm, if any.....
- 4- Address of the bidders firm. if any.....
- 5- Bidders mobile no.
- 6- Email I.D.

Bidders

paste your

photo

Signature of the Bidder