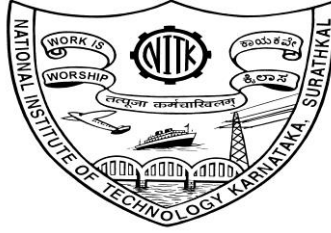


NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

DEPARTMENT OF PHYSICAL EDUCATION, SPORTS AND STUDENT ACTIVITIES
POST SRINIVASNAGAR, MANGALORE – 575 025 (D K)
Phone: (0824) 2474000. Fax: (0824) 2474033

Website: <http://www.nitk.ac.in>



NOTICE INVITING QUOTATION

Notification. No: 218/ NITK/DPESSA/Office PC Purchase/2022-23

Dated: 12/01/2023

Name of Goods	Office Computer and UPS
Estimated Amount:	Rs 90,000/-
Time for Supply of item after release of Purchase order	15 Days
Document Download / Sale Start Date	12/01/2023
Clarification Start Date	12/01/2023
Clarification End Date	16/01/2023
Bid Submission Start Date	12/01/2023
Last Date for submission of bids	23/01/2023 before 3.00 PM
Bid Opening Date	24/01/2023, 10.00AM
Address for Submission of bids	Dr. Manoj, Student Activity and Sports Officer (SASO) National Institute of Technology Karnataka, Surathkal Srinivasnagar, Mangalore. Karnataka. INDIA -575025 0824-2473074



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Date: 12/01/2023

NOTICE INVITING QUOTATION (NIQ)

The National Institute of Technology Karnataka, Surathkal (in short – NITK, Surathkal) is an Institute Of National Importance Under Ministry of Education Govt of India, imparting Technical Education and engaged in Research Activities. It is proposed to procure the items for the departmental academic/research activities.

Sealed Quotations as per the Price Schedule given in this NIQ are invited for the following items subject to the terms and conditions, from the reputed manufacturers or its authorised dealers so as to reach on or before scheduled date and time. The quotations in the firm's Business letter head should be address to the "Director, NITK, Surathkal". The envelope shall be superscribed with the Quotation Notification Number and the Name of the Goods for which quotation is submitted.

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Bid Opening Date	24/01/2023, 10.00AM

Sd/-
Dean SW

Note: Institute shall not be responsible for any postal delay about non-receipt /non-delivery of the bids or due to wrong addressee.

SECTION-1
Terms and Conditions

1. The rates should be quoted for preferably FOR destination from supply within India.
2. The bidder shall indicate the excise duty exemption for the goods if applicable.
3. The rate quoted should be on unit basis. Taxes and other charges should be quoted separately, considering exemptions if any. The rate should be quoted in INR only
4. Rate quoted should be inclusive of Testing, commissioning and Installation of equipment and Training.
5. Payment: No advance payment will be made. Payment will be made only after the supply of the item in good and satisfactory condition and receipt of performance security by supplier.
6. Warranty period should be minimum 5 years. Guarantee/Warrantee period should be specified for the complete period should be specified in section 3 of this tender document.
7. Period requirement for the supply and installation of item should be specified in section 2 of this tender document.
8. Delivery of the item should be within 2 weeks from the date of placing the order.
9. In case of dispute, the matter will be subject to Mangalore Jurisdiction only.

SECTION-2
SCHEDULE OF REQUIREMENTS, SPECIFICATIONS AND ALLIED DETAILS
[To be filled up by the Department / Centre of NITK, Surathkal]

Item(s) Name to be Procured : Office Computer and UPS

Brief Specifications of the Item(s)
(Attach Additional Sheet if necessary) : Attached in Annexure A

Quantity : 1 each

Any other details / requirement :

Warranty Period required : 5 YEARS

Delivery Schedule expected
after placement of Purchase order
(in Weeks) : Within 2 weeks

SECTION 3
PRICE SCHEDULE

[To be used by the bidder for submission of the quotation]

-
1. Item Name :
 2. Specifications
(Conforming to Schedule of requirements
Enclose additional sheets if necessary) :
 3. Currency and Unit Price :
 4. Quantity :
 5. Item Cost (Sl No. 3 * Sl. No. 4) :
 6. Taxes and Other Charges :
(i) Specify the type of taxes and duties
in percentages and also in figures.
(ii) Specify Other Charges in figures.
 7. **Warranty Period** :
**(Conforming to the Schedule of
requirements)**
 8. Delivery Schedule :
(Conforming to the Schedule of requirements)
 9. Name and address of the Firm for
placing purchase order :
 10. Name and address of Indian authorized
agent (in case of imports only) :

Signature of the Bidder: _____

Name and Designation: _____

Business Address : _____

Place:

Date:

Seal of the Bidder's Firm

SECTION 4
CONTRACT FORM

[To be provided by the bidder in the business letter head]

1. (Name of the Supplier's Firm) hereby abide by the delivery schedule mentioned in this document for supply of the items if the purchase order is awarded.
2. The item will be supplied conforming to the specifications stated in this document without any defect and deviations.
3. Warranty will be given for the period mentioned in this document and service will be rendered to the satisfaction of NITK, Surathkal during this period.

Signature of the Bidder: _____

Name : _____

Business Address : _____

Place :

Date :

Seal of the Bidder's Firm

Annexure : A

Catalogue values for Desktop Computers		
Processor	Processor Make	Intel
	Processor Generation	10.0 Or higher
	Number of Cores per Processor	8, 10, 12, 16 Or higher
	Processor Description	Intel Core i7, Intel Core i9 Or higher
	Processor Number	Intel Core i9 10900K, Intel Core i9 10900KF, Intel Core i9 10900, Intel Core i9 10900F, Intel Core i7 10700K, Intel Core i7 10700KF, Intel Core i7 10700, Intel Core i7 10700F Or higher
	Out of Band Management	Intel vPro, AMD DASH, NA Or higher
Motherboard	Chipset Series	Intel Q Series Or higher
	Chipset Number	Intel Q 470 Or higher
Graphics	Graphics Type	Integrated
Operating System	Operating System (Factory Pre-Loaded)	Windows 10 Professional
Memory	RAM Size (GB)	16, 32, 64, 128 Or higher
	RAM Expandability up to(using spare DIMM Slots in GB)	64, 128 Or higher
Storage	Type of Drives used to populate the Internal Bays	HDD, SSD
	Total HDD Capacity (GB)	1000, 1500, 2000, 2500, 3000, 4000 Or higher
	Total SSD Capacity (GB)	512, 768, 1024, 2048, 4096 Or higher
	Total SSHD Capacity in addition to 8 GB Flash (GB)	500, 1000, 2000, 0 Or higher
Cabinet	Cabinet Form Factor	Tower (13.1 to 26 Litres)
	Optical Drive	DVD R/W
Monitor	Monitor Technology	IPS Or higher
	LED Backlit Monitor Size (INCHES)	21, 23.8, 32 Or higher
	Monitor Resolution (PIXELS)	1920x1080, 1920 x 1200, 3200x1800, 3840 x 2160, 2560 x 1440 Or higher
	Availability of Webcam integrated with Monitor	No
	Availability of Speakers integrated with Monitor	No
Input Devices	Mouse Connectivity	Wired, Wireless Or higher
	Keyboard Connectivity	Wired, Wireless Or higher
Warranty	On Site OEM Warranty (Year)	5 Or higher

Catalogue values for Online UPS (Version 2.0)

Category	Specification	Bid Requirement (Allowed Values)
Generic	Rating in KVA	1.0 KVA
	Switching Technology	IGBT-PWM
	Input Voltage	AC Single phase 160V - 260V 50Hz
	Output Voltage	AC Single phase 230V +/-1% 50 Hz
	Warranty for UPS (Years)	2, 3, 4, 5 Or higher
Battery/Backup Bank	Battery/Backup Bank Provided with Online UPS (Hint: In case the UPS is supplied with battery, seller shall ensure compliance to the GST Rates as per recommendations made in the 45th Meeting of GST council dated 17th Sep 2021)	With Battery
	Type of Battery (hint: NA in case Battery not provided)	SMF-VRLA conforming to JISC:8702(Pt.I,II&III), Stationary Lead Acid Batteries (with tubular positive plates) in monobloc container conforming to IS:13369:1992 latest
	Backup time (Minutes) (hint: NA in case battery not provided)	30 Minutes
	Minimum Guaranteed VAH	1600 X Per KVA X Per hour of backup time
	Warranty for battery (Years) by Battery Manufacturer/Brand hint: NA in case battery not provided	2, 3 Or higher
Installation and Commissioning or Service	Installation and Commissioning (Covered in the Scope of Supply)	Provided
	After sales service (Turn Around Time)	Within 24 hours, Within 48 hours, Within 7 days, NA
	Preventive Maintenance (Hint: Mention Timeline if provided, NA if not provided)	Monthly, Bi-Monthly, Quarterly, Half Yearly, Yearly, NA Or higher
	Other Services provided	PAN India service support on 24 x 7 basis, AMC support available warranty, Availability of spares in close proximity (Spares should be easily available close to the site), NA
Performance / Functional	Inbuilt isolation transformer	Without
	Overall Efficiency (%)	>/=90% & <94% without Inbuilt isolation transformer
	Overload limit	20% Overload for minimum 10 minute, 20% Overload for minimum 5 minute, 50% Overload for minimum 1 minute, 50% Overload for minimum 3 seconds
	Total Harmonic Distortion(THD) (%)	3% Maximum @ 100% Linear Load
	Other Functional Features	Crest factor on full non-linear load is not less than 3:1, Noise level (1 meter distance from UPS) should be less than 70dB, Input power factor at full output load leading to unity with active power

		factor correction (APFC) ≥ 0.92 , Transient response time (for 100% load change, output must remain within $\pm 1\%$ and recovery) as < 20 milliseconds, Battery recharge time (after complete discharge to 90% charge) and charge rating: Battery recharge time to 90% charge after 100% DoD : 8 to 10 Hours, Maximum overshoot and Under shoot of output rated voltage (in percentage) (4%), Voltage Regulation from no load to full load (%) ($\leq 2\%$), UPS input power factor better than 0.95 (at rated voltage)
Accessories	Accessories	Rack for Batteries, Cabling 6 meters (input upto 3m and output upto 3m), Paralleling kit (Hot Standby Configuration), Paralleling kit for synchronizing (Parallel Redundant Load Sharing Configuration), SNMP Card (with Suitable Software) for communication, The UPS shall be complete with Trolley for battery bank,battery, Cables and connectors etc, NA
Salient Features	Protection	Protection for under voltage at battery terminal, Protection of Over voltage, Short Circuit & over load at UPS output terminal, Over temperature protection
	Metering	Input Voltage, Output Voltage, Input Current, Output Current, Input Frequency, Output Frequency, Input Power, Output Power, Input Power Factor, Output Power Factor, Battery Voltage and Current
	Alarms and Indications	Indicator for Mains presence, Indicator for Battery charging and discharging, Indicator for Output Over Load with Audible Alarm, Indicator for Low Battery Voltage with Audible Alarm, Alarm for Over temperature, Alarm for Low Battery
	Additional Features	Pure Sinewave AC Output, NA
Design / Construction	Type of Design / Construction	Floor Standing
	Enclosure (mm)	1.2 mm Minimum Thickness of M.S. Sheet duly powder coated
	Degree of Protection	IP21 Or higher
	Other Constructional Features	Mains ON/OFF MCB, Battery ON/OFF MCB, Battery Fuse, Inverter reset push button, Static by pass facility, Manual by pass facility, Expandable rack facility, Shall be complete with rack rail kit for mounting of UPS in the rack and shall be housed in rugged enclosure made of steel sheet having 1.2 mm (minimum) thickness, aesthetically finished,duly pretreated and powder coated, UPS shall be free from workmanship defects, sharp edges, nicks, scratches, burst, etc. All fasteners shall be fixed properly. The equipment shall be complete with all parts and all

		parts shall be functional, 1 + 1 parallel redundant configuration facility on Rack mountable UPS UPS shall supply output power and charging current at the same time, NA
Operating Conditions	Maximum Operating Temperature	35, 40, 45, 50 Or higher
	Relative Humidity Non Condensing at 40 deg C	80, 85, 90, 95 Or higher
Buyer Specific Requirement	Environmental Test Report Requirements	Damp Heat Test : in accordance with IS:9000(part 5/sec.2)1981 at Temperature of 40 degree C, two cycles of (12+12) hours each 2007), Dry Heat Test : in accordance with IS:9000 (part 3/sec.5)1977 (reaffirmed 2007) at 55 degree C for 16 hrs, Cold Test : in accordance with IS:9000 (Part 2/Sec.4)1977 (Reaffirmed 2007) at -10 degree C for 4 hrs, NA
	Intended Applications	Critical Infrastructure, Network IT Equipment, Medical Equipment, Support for Data Centers, Network operating centers, Security operation centers, State and District centers, Command and Control center etc., across the Country to provide impetus to the e-Governance services e.g. Public food distribution, e Way bill, Counseling, e-Office, IVFRT etc., services under Digital India Programme, NA
	Other Requirements	ROHS compliance, KW rating shall be 0.8 time of KVA rating, NA
Reports And Certification	Type of lab which carried out Test of Complete Product to prove the conformity of product as per specification	OEM
	Agree to provide all relevant documents Test Reports/supporting document /reports etc to the buyer at the time of bidding or on demand	Yes
	As per Meity (Government of India) guidelines UPS shall have valid BIS CRS certifications as applicable	Yes (For UPS rating upto 10KVA)