



OFFICE OF THE REGISTRAR
মহাপুৰুষ শ্ৰীমন্ত শঙ্কৰদেৱ বিশ্ববিদ্যালয়
MAHAPURUSHA SRIMANTA SANKARADEVA VISWAVIDYALAYA
[Recognised Under Section 2(f) of UGC Act, 1956]
Srimanta Sankaradeva Sangha Complex, Haladhar Bhuyan Path,
Kalongpar, Nagaon, PIN-782001, Assam, India

Ref. No.: MSSV/R/86/2018/26733

Date: 05.07.2024

INVITATION OF QUOTATIONS

Sealed Quotations are invited from the competent and qualified registered firm/ party for the supply of following items (inclusive of all taxes) to Mahapurusha Srimanta Sankaradeva Viswavidyalaya (MSSV) at Atuatika, Raidongia, Nagaon, Assam, India.

The quotation must reach the office of the undersigned **on or before 4.00 P.M. of 12th July, 2024.**

Item	Specification/ Size
Projector (HDMI, USB, Bluetooth)	Long Throw
Computer	As per Annexure II
Interactive Panel	65"
Printer/Copier/Scanner	Multi functional
Online Inverter	As per Annexure III
UPS	600VA (Best Quality)

The undersigned reserves the right to accept or reject any quotation without assigning any reason.

(Dr. Nayanmoni Saikia)
Registrar (i/c)

Date: 05.07.2024

Memo No: MSSV/R/86/2018/26734-39

Copy to:

1. The Secretary to the Hon'ble Vice-Chancellor.
2. The Co-ordinator for favour of information.
3. Dr. Santanu Kalita, Asstt. Professor & Head (i/c), Deptt. of Computer Application with a request to upload the notification in the University website www.mssv.ac.in.
4. The Project Engineer for information and necessary action.
5. The Accounts Branch, MSSV for information and necessary action.
6. Notice Board.
7. Office file.

(Dr. Nayanmoni Saikia)
Registrar (i/c)



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ANNEXURE II

Computer Specification (Acer)

S.N.	Description	Specifications
1	Processors Make	Intel
2	Processor Generation	12 or higher
3	Processor Description	Intel Core i7
4	Processor number	Intel Core i7-12700 or higher
5	Graphics type	Integrated (UHD Graphics 730)
6	Processor base frequency	2.1 Ghz base frequency or higher
7	No of cores per processor	12
8	Chipset number	Intel B chipset Series or higher
9	Cache	20 MB Smart Cache (or higher)
10	RAM size (GB)	8 GB or higher
11	Type of RAM	2666 DDR4 or higher
12	RAM expandability up to (using spare DIMM slots in GB)	Min 64 GB or higher & having Dual DDR4 DIMM slots, dual-channel capable
13	Motherboard	OEM motherboard or Intel original motherboard Should have 3 independent displays via onboard ports (HDMI, DVI/DP and VGA)
14	Type of drive used to populate the internal bays	SSD
15	Storage Support	System should support up to two drives
16	Total Storage Capacity	512GB SSD or higher
17	LED backlit Monitor Size (inches)	Min. 19.5" (1920x1080)
18	Mouse	Wired
19	Keyboard	Wired
20	Cabinet Form factor	Tower (More than 25 lt.)
21	Expansion Slots	3x PCI/PCIe slot
22		2 M.2 slots or higher
23	Operating System (Factory preloaded)	Windows 11 Pro (Factory Pre-loaded)
24	Onsite OEM warranty (year)	3 years comprehensive warranty
25	Ports	4x USB 3.2 Gen 1 (1 Type A + 1 Type C)



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		Audio Port
		4x USB 2.0
		1x VGA
		1x HDMI
		1x Display Port/DVI
		1x Ethernet (RJ-45)
26	Network interface	10/100/1000 Ethernet LAN (IPV6 compliant)
27	Security Features	Discrete TPM 2.0
28	Green Certification	RoHS compliant, FCC, CE, Energy Star, TCO for monitor, Microsoft Certificate, EPEAT India Certification.
29	OEM ISO	OEM should have ISO 9001, ISO14001, ISO20001, SA8000 & ISO 27001
30	OEM Eligibility Criteria	OEM should be IDC Top 5 Desktop manufacturer from last quarters, IDC report needs to be submitted
		OEM should have registered office in India from last 15 years, mandatory document needs to be attached with the bid
		Desktop & Monitor should be from same OEM

Computer Specification (HP)

SNo	Item	Specifications
1	Form Factor	Tower/Micro Tower/Mini Tower
2	Chassis	Tool-less Chassis (Tool-less Hard Drive, Memory & Optical drive Removal)
3	Chipset	Commercial Class Intel® Q670 Chipset
4	Processor	Intel® Core™ i7-12700 with Intel® UHD Graphics (2.1 GHz base frequency, up to 4.9 GHz with Intel® Turbo Boost Technology, 25 MB L3 cache, 12 cores, 20 threads), supports Intel® vPro® Technology
5	Memory	8GB DDR4-2666 Memory expandability up to 64 GB with 2 DIMM Slots
6	Storage	512 GB NVMe SSD
7	Graphics	Integrated Graphics
	Audio	Integrated audio controller with internal speaker of atleast 2W
8	Operating System	Microsoft Windows 11 Professional with OEM Recovery DVD or option of Cloud Recovery
9	Networking	Integrated Intel Gigabit 10/100/1000 Ethernet Controller
		Intel® Wi-Fi 6E AX211 802.11ax 2x2 with Bluetooth
10	Ports	Video: 1 Display Port , 1 HDMI , 1 VGA



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		Total 9 USB port , out of USB:2 USB 2.0, 3 USB 3.2 Gen 1, 3 USB 3.2 Gen 2, 1 USB Type C
11	Slots	1 PCI Express v4.0 x16 1 PCI Express v4.0 x1 1 PCI 2 M.2
12		Integrated 5-in-1 SD card reader, 3 SATA Ports
13	Bays	2X 3.5" Internal , 1 External bay
14	Keyboard	USB Wired Keyboard,
15	Mouse	USB Optical Wired Mouse
16	Power Supply	260 W with 92% efficiency or better
17	Volume	No More than 16 L
18	Security	Hardware based endpoint security controller TPM 2.0 Integrated Intrusion Sensor Support for chassis cable lock devices & Support for chassis padlocks devices Drive lock option for HDD to secure Data Integrated protection from malware that lurks on malicious websites Integrated real-time detection and prevention of zero-day threats and advanced persistent threat (APT) attacks for Windows applications
19	Manageability	out-of-band manageability allowing technician to execute full remote control of computing endpoint over an Ethernet or Wi-Fi 802.11 connection, regardless of OS state. Endpoint could be on premise behind corporate firewall or outside the corporate firewall. IT admin should be able to monitor full boot up / reset sequence, including BIOS access, to identify any issue with the PC
20	Certifications	Microsoft Windows 11 FCC,CE, RoHS, UL, EPEAT, Energy Star, TCO, MIL STD 810 ISO 9001,14001,20001,27001 for OEM
21	Display	19.5" with Minimum resolution of 1600X 980, with VGA , HDMI,, TCO 8.0 Certified (Same OEM as desktop)
22	Warranty	3 Years Onsite

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ANNEXURE III

TECHNICAL SPECIFICATION of 20 kVA Online UPS	
Capacity	20 kVA / 18 kW
PARAMETER	Online double conversion UPS with DSP controller
Input/Output	3PH / 1PH
Phase	Three Phase with Ground (R-Y-B-N-G)
Voltage Range	190VAC-478VAC (Based on Load percentage)
Line Low Transfer	(0~50% : 110V / 51~100% : 176V) ± 3%Vac
Line low comeback	Line Low Transfer +10VAC (±3%)
Line high transfer	276VAC (±3%)
Line high comeback	266VAC (±3%)
Frequency Range	45-55Hz / 55-65Hz (50/60 Hz Auto sensing)
Power Factor	0.99 to unity. (I/P:230V,FULL RCD LOAD) / ³0.95 (above 25% Load)
THDi	< 5% with full Load
Bypass	
Voltage Range	176~264V (Default) can be adjustable 176 ~276V AC
Line low comeback	Line Low Loss + 10VAC
Line high comeback	Line Low Loss - 10VAC
Frequency Range	45-55Hz / 55-65Hz
Output	
Inverter Topology	3 Level inverter
Voltage	200 VAC / 208 VAC / 220 VAC / 230 VAC / 240 VAC
Voltage Regulation	+ / - 1%
Frequency	50/60 Hz +/- 0.1Hz (free Running Mode)
Synchronization range	46-54Hz / 54-66Hz
Voltage distortion	≤ 2% (linear load)
	≤ 5% (non-linear load)
Output Waveform	Pure sine wave
Crest Factor	3:1
Efficiency (AC - AC)	Upto 94%
De-rating Caractristics	208V-90% Output at 208V
Maintenance Bypass	Make before break
Power Factor	0.9



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Overload	
	101%~109% : 5 min
	110%~129% : 1 min
	130%~150% : 10 Sec
	>150% : 2 Sec
Battery	
Battery Type	SMF VRLA
DC Voltage	Not less than 288VDC
VAH	Minimum 24192 Vah should be provided for 4 hrs backup
Charger	Built-in solid state three stage recharge (constant current ,Constant voltage with float charge) and with Temperature Compensation.
Transfer time	
Line mode to battery mode	0 ms
Inverter to bypass, ECO mode	0 ms
Bypass to Inverter	0 ms
ECO to Inverter mode	<10ms When Bypass voltage or frequency is out of range
Features	
ECO Mode	Yes
Fan Speed Control	Yes
EPO Function	Yes
Frequency Converter Mode	Yes (derated to 60 % when the input source is 1phase) & Bypass output is Disabled.
Parallel function	Up to 4 units
Backfeed Protection	Yes
Isolation transformer	Inbuilt Isolation transformer should be provided in the input side
General	
Operating Temperature	0 to 45 Deg. C
Noise level	<55 dB @ 1 meter
Display & Indication	User Friendly Dot matrix LCD Display
	Input : Voltage & frequency
	Battery : Voltage & Level in %
	Internal DC Bus voltage & Internal temperature
	Output : Voltage , frequency, current, power and Load Level in %



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	UPS Status : Operating Mode / Warning / Fault / codes (faults & warnings)
	UPS Setting : Output Voltage / Frequency / Bypass Enable / Disable / special function: (UPS / CVCF / ECO)
Status LED	Normal Mode / Load on Battery / Load on Bypass / System Fault
Audible Alarm	Mains Failure alarm
	Low Battery Alarm
	UPS Warning ,Overload ,Fault & Bypass mode etc..
Protections	Advanced electronic protection for device
	safety backed with MCBs
	Fast acting fuses,
	High speed pulse blanking
	Electronic overvoltage / undervoltage
Connection	Terminal Block for input / bypass / battery & output
Bypass	Static Bypass
Maintenance Bypass Switch	Available
Communication Interface	
Standard	RS 232/USB port for software interface (any one can be used at a time)
Intelligent slot	SNMP/RS485
Other Interface	AS400
Certification	Test certificate from NABL accredited Test (IEC 62040-3)
	ISO 9001:2015/ ISO 14001:2015/ ISO 45001:2018
Warranty	2 years on UPS and 2 years on batteries
OEM CRITERIA -	
Manufacturer	The bidder should be a manufacturer of UPS Systems for the last 5 financial years as on 31.03.2020.
Certifications	The product quoted by the bidder should be BIS Certified for safety.
Turn Over	The OEM should have an annual turnover of Rs.350 crores for the last three financial years.
Experience Criteria	The Bidder or its OEM should have regularly, manufactured and supplied same Products to any Central /State Govt Organization / PSU / Public Listed Company for last 3 years.



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SLA	Dedicated / toll Free Telephone No. for Service Support : OEM must have Dedicated / toll Free Telephone No. for Service Support.
	Escalation Matrix For Service Support : Bidder / OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
	The OEM should have service centre of minimum 150 nos with GST No. for every state to attend the compliants.
	The OEM should have Repair & Rectification Centre (RRC) in minimum 22 states to repair and rectify the faults.
	The OEM should have minimum 13 service centres in North East of India

(Dr. Nayanmoni Saikia)
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