Quotation Notice No: RC0860_1

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

N.I.T. Campus (P.O.), Kerala - 673601, India
Tel. : 04952286101, 109, 115, 116
EMAIL:purchases8@nitc.ac.in

QUOTATION NOTICE

MAIN STORE

Date :13/11/2026

SEALED QUOTATIONS are invited for the supply of the stores given in Schedule C. **The tenderers are requested to send their quotations (as per the format given in schedule D) in sealed covers with the quotation number and last date for receipt of quotation superscribed.** Wherever indicated, samples may be furnished at the tenderer's expense unless otherwise specified. The tenderers are requested to follow the instruction given in Schedule A. This Institute cannot accept terms and conditions of payment other than the alternative given in Schedule B.

1. Quotation Ref No.	**RC0860/S8/ECED/ANRF-ARG/WS/EQPT/2026-27/QT1**
2. Last Date for receipt of Quotation	**04/12/2026** Up to (IST) Time **5:30 PM**
3. The quoted rates should be valid up to	**3 Month**
4. Address to which quotation are to be sent	**The Director** **Kind attention Section-in charge (Research & Consultancy)** **NIT Calicut** **NIT Calicut (P.O.)** **673 601**

AR (R&C)

13/11/26

To

1 .....

SCHEDULED A - INSTRUCTIONS TO TENDERERS

(a) Quotations should contain the complete specification and brand names.
(b) All taxes, packing and forwarding charges (if any) and any other charges should be clearly shown
(c) Prices quoted should be F.O.R. NIT CAMPUS, CALICUT.
(d) Period within which the items can be supplied of firm order should be clearly mentioned.
(e) Quotations containing conditions like "subject to prior sale" may not be considered.
(f) Quotations received after the due date is liable to be rejected.
(g) The Quoted amount should be in INR Only.

SCHEDULED B - CONDITIONS OF PAYMENT

One of the following conditions of payment should be accepted if the quotation is to be considered.
(a) 100% payment after the receipt of the items in good condition.

Normally, complete payment will be made within 45 from the date of receipt of the items.
(b) The supplier shall furnish Performance Security Deposit and Form Contract as follows:

(i) Execute a Form of contract as per Institute standard format on stamped paper of Govt. of Kerala or Govt. India stamped paper worth RS.200/-.

(ii) In case of value of purchase order above one lakh with warranty of the item, furnish a performance security deposit@3% of the Supply Order value for the due fulfillment of the contract. This security shall be in the form of a Bank Guarantee/ FDR in favor of the Director, NIT, Calicut from any scheduled bank valid for a period of sixty days beyond the contractual obligations including warranty.

(c) In case the supplier fails to deposit the required security and execute the contract bond on stamped paper of GOI or Govt. of Kerala (Specimen enclosed) by the due date, contract is liable to be cancelled without prejudice to taking any further action to recover damages for any loss sustained by THE DIRECTOR as result of supplier's refusal to abide by the terms of contract

(a) Invoice number and date
(b) Customer name
(c) Customer and taxpayer's GSTIN (if registered)
(d) Place of supply
(e) Item details i.e. description, quantity (number), unit (meter, kg etc.), total value
(f) Taxable value and discounts
(g) Rate and amount of GST tax rates.
(h) Signature of the supplier.
(i) PAN number should be indicated.

SCHEDULED C - Technical Specification and Delivery Terms

(See Annexure - I)

SCHEDULED D - Format of Quotations

(For use of the bidder. See note below)
Format of Quotations

Quotation Ref. No.: Last Date :

Sl.No.	Description of Goods (Attach necessary brochures)	Specification	Qty.	Unit	GST	Other Charges (if any)	Total Cost
GRAND TOTAL							

1. We agree to supply the above goods in accordance with the technical specification for a total contract price of Rs._____(amount in figures) (Rupees_____only) (amount in words) within the period specified in the Invitation for Quotations.

2. We also confirm that commercial warranty/guarantee of _____months shall apply to the offered goods from the date of installation/commissioning.

3. We undertake that in competing for (and if the award is made to us in executing) the above contract of

supply of goods. We will strictly observe the laws against fraud and corruption in force in the Republic of India as required by National Institute of Technology Calicut.

Signature of the Bidder

Place:
Date:

Note:

1. Above tabular form is applicable while bids are being invited for more than one item and will be evaluated for all the items together. Modify the format accordingly where evaluation would be made for each item separately

2. Quotations should be submitted on the official stationery of the bidder)

List of Enclosures: (1) Annexure 1

(2) _____ **(3)** _____

SCHEDULE C :

Sr. No.	Detailed Description	Approx. Quantity	Whether Samples are to be sent
1.	Workstation Supporting 100 GB NIC	1 NO	

Supply of **Workstation** (supporting 100Gb NIC)

The Department of Electronics and Communication Engineering at NIT Calicut invites bids as per Table 1.

- The price quoted should be inclusive of local taxes (e.g. GST), and delivery to the "Department of Electronics and Communication Engineering, NIT Calicut"
- The price should be inclusive of installation and demonstration at the "Department of Electronics and Communication Engineering, NIT Calicut"

	Specifications
Min. Benchmark Requirements	Geekbench 7 CPU: Single-Core:2880 , Multi-Core: 32000
Processor	Section 1.1
Motherboard	Section 1.2
RAM	Section 1.3
Storage	Section 1.4
Power Supply	Section 1.5
CPU Cooler	Section 1.6
Case	Section 1.7
Fans (Top-4, Front-4, Bottom-3)	Section 1.8
GPU	Section 1.9
100 Gb NIC	Supported (Need not be supplied)
Operating System	Ubuntu 26.04 LTS

Table 1: Specification Summary

1 Detailed Specifications

1.1 Processor

S.No.	Specification	Description
1	Name	x86 Processor
2	Number of CPU Cores	24
3	Multithreading (SMT)	Yes
4	Number of Threads	48
5	Max. Boost Clock	Up to 5.4 GHz
6	Base Clock	4.2 GHz
7	L1 Cache	1920 KB
8	L2 Cache	24 MB
9	L3 Cache	128 MB
10	Default TDP	350 W
11	Unlocked for Overclocking	Yes
12	Instruction Set	x86-64
13	Supported Extensions	AES, AMD-V, AVX, AVX2, AVX512, FMA3, MMX-plus, SHA, SSE, SSE2, SSE3, SSE4.1, SSE4.2, SSE4A, SSSE3, x86-64
14	Max. Operating Temperature	95°C
15	OS Support	Windows 11 (64-bit), Windows 10 (64-bit), RHEL x86 64-bit, Ubuntu x86 64-bit

1.2 Motherboard

S.No.	Specification	Description
1	Form Factor	E-ATX/CEB
2	Supported Processors	Compatible with Processor
3	Chipset	Compatible with Processor
4	Memory	4 × DDR5 R-DIMM slots, ECC supported, up to 1 TB, Overclocking supported
5	Power Design	20+3+3+3 power stages, active cooling on VRM heatsinks, CPU power connectors (2 × 8-pin)

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S.No.	Specification	Description
6	Additional Power Connectors	1 × 24-pin main power, 1 × 8-pin PCIe power, 1 × 6-pin PCIe power, 1 × 4-pin to 24-pin power connector (dual PSU design)
7	Expansion Slots	3 × PCIe 5.0 x16 (x16), 1 × PCIe 4.0 x16 (x16); SafeSlot reinforced
8	M.2 Storage	4 × M.2 slots (2280): PCIe 5.0 x4 (3 slots) and PCIe 4.0 x4 (1 slot), with heatsinks
9	Other Storage Interfaces	2 × SlimSAS (one shares bandwidth with an M.2 slot), 4 × SATA 6 Gb/s
10	Wired Networking	10 Gb Ethernet + 2.5 Gb Ethernet
11	Wireless	Wi-Fi 7
12	Rear USB	2 × USB4® (40 Gbps, DisplayPort™ 1.4, 8K @ 60 Hz), 6 × USB 10 Gbps Type-A, 1 × USB 2.0
13	Front USB	1 × USB 20 Gbps Type-C® (PD up to 30 W), 1 × USB 5 Gbps
14	Video Input	2 × DisplayPort IN (rear I/O)
15	Audio	2 × audio jacks
16	Remote Management	BMC header
17	Rear Panel Buttons	BIOS FlashBack, Clear CMOS
18	Overclocking	CPU and memory overclocking supported; hardware switches and overclocking headers
19	Operating Reliability	Designed for 24/7 operation; tested up to 45°C and 80% humidity

1.3 RAM

S.No.	Specification	Description
1	Memory Type	DDR5 SDRAM
2	Module Type	Registered DIMM (RDIMM)
3	Capacity	32 GB (1 × 32 GB)
4	Speed	5600 MT/s (PC5-44800)
5	CAS Latency	CL46
6	Error Correction	ECC (Error-Correcting Code)
7	Pin Count	288-pin
8	Operating Voltage	1.1 V
9	Application	Workstation and server platforms supporting DDR5 ECC RDIMM

1.4 Storage

S.No.	Specification	Description
1	Capacity	1 TB (1,000 GB)
2	Form Factor	M.2 (2280)
3	Interface	PCIe Gen 4.0 x4, NVMe 2.0
4	Sequential Read	Up to 7,450 MB/s
5	Sequential Write	Up to 6,900 MB/s
6	Random Read (4KB, QD32)	Up to 1,200,000 IOPS
7	Random Write (4KB, QD32)	Up to 1,550,000 IOPS
8	Random Read (4KB, QD1)	Up to 22,000 IOPS
9	Random Write (4KB, QD1)	Up to 80,000 IOPS
10	Encryption Support	AES 256-bit (Class 0), TCG/Opal, IEEE1667
11	TRIM / S.M.A.R.T. Support	Supported
12	Garbage Collection	Auto Garbage Collection Algorithm
13	Device Sleep Mode	Supported
14	Power Consumption	Average: 5.5 W; Maximum: 7.8 W (burst mode); Idle: max. 50 mW
15	Allowable Voltage	3.3 V $\pm$ 5%
16	Reliability (MTBF)	1.5 million hours
17	Operating Temperature	0–70°C
18	Shock Resistance	1,500 G, 0.5 ms (half sine)
19	Warranty	5-year limited warranty or 600 TBW, whichever is earlier

1.5 Power Supply

S.No.	Specification	Description
1	Rated Output Power	1200 W
2	Form Factor / Standard	ATX12V V3.1
3	Efficiency Certification	80 PLUS Gold (also rated Gold by Cybenetics)
4	Efficiency	$\geq$ 90% at typical load (50% loading)

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S.No.	Specification	Description
5	Topology	Active PFC + Half-Bridge SRC LLC + DC-to-DC
6	Cooling Fan	135 mm, FDB (Fluid Dynamic Bearing), speed-controlled
7	Hold-Up Time	$\geq$ 16 ms (at 80% load)
8	Power Good Signal	100–150 ms
9	Cables	Sleeved, modular
10	Main Power Connector	1 × 24 (20+4) pin
11	CPU Power Connectors	2 × (4+4) pin
12	PCIe Power Connectors	3 × (6+2) pin; 1 × 12V-2x6 (16-pin, up to 600 W)
13	SATA / Peripheral Connectors	4 × SATA, 1 × 4-pin peripheral (Molex)
14	Protections	OPP, OVP, SCP, OTP, OCP, UVP, SIP, NLO
15	Operating Temperature	0–40°C
16	Regulatory Approvals	CE, FCC, CCC, TUV-RH, cTUVus, RCM, EAC, BIS
17	ErP Regulation	ErP 2014
18	Environmental Compliance	WEEE, RoHS, Triman, P65
19	MTBF	100,000 hours
20	Warranty	10 years limited warranty

1.6 CPU Cooler

S.No.	Specification	Description
1	Type	140 mm single-tower CPU cooler (server and workstation)
2	Socket Compatibility	Compatible with processor
3	Fan Configuration	2 × 140 × 150 × 25 mm (round)
4	Fan Speed Range	0–1500 rpm
5	Fan Maximum Airflow	140 m^3/h (82.5 CFM)
6	Fan Maximum Noise Level	25 dB(A)
7	Fan Maximum Static Pressure	2 mm H_2O
8	Fan Rated Voltage / Connector	12 V / 4-pin PWM

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S.No.	Specification	Description
9	Fan Input Power (Typical)	1.19 W
10	Heatsink Base	Copper, nickel plated; base size 56 × 70 mm
11	Heatpipes	6 × 6 mm copper, nickel plated; soldered to fins
12	Heatsink Fins	Aluminium, nickel plated; 56 fins
13	Height (with fans)	165 mm
14	Width × Depth (with fans)	150 mm × 111 mm
15	Weight (with fans)	1200 g
16	Rack Unit Compatibility	5U
17	Scope of Delivery	PWM splitter cable, thermal compound (pre-applied), mounting kits, mounting tool
18	Warranty	6 years

1.7 Case

S.No.	Specification	Description
1	Case Form Factor	Super Tower
2	Supported Motherboards	HPTX, E-ATX, ATX, Micro-ATX, Mini-ITX
3	Material / Design	All-black metal build with front and side mesh; non-RGB
4	Expansion Slots	10 + 2
5	GPU Clearance	Up to 380 mm
6	CPU Cooler Clearance	Up to 185 mm
7	Drive Bays	7 × 3.5/2.5
8	Front Fan Support	4 × 120 mm or 3 × 140 mm
9	Top Fan Support	4 × 120 mm or 3 × 140 mm
10	Bottom Fan Support	3 × 120 mm or 2 × 140 mm
11	Rear Fan Support	120 mm (pre-installed) or 140 mm
12	Side (Left and Right) Fan Support	4 × 120 mm
13	Radiator Support (Front / Top / Side)	120 mm, 240 mm, 360 mm, 480 mm
14	Front I/O Panel	1 × USB Type-C, 4 × USB 3.0, audio out, mic, power button, reset button
15	Warranty	1 year

1.8 Fans

S.No.	Specification	Description
1	Fan Size	120 mm
2	Dimensions (L × W × H)	120 mm × 25 mm × 120 mm
3	Colour	Black (no lighting)
4	Fan Speed (at 100% PWM / 12 V)	1600 rpm
5	Airflow (at 100% PWM / 12 V)	50 CFM (85 m^3/h)
6	Air Pressure (at 100% PWM / 12 V)	1.45 mm H_2O
7	Noise Level (at 100% PWM / 12 V)	25 dB(A)
8	Bearing Technology	Rifle bearing
9	Motor Technology	4-pole fan motor
10	Lifespan	80,000 hours (at 25°C)
11	Connector	4-pin PWM
12	Cable Length	460 mm
13	Rated Voltage	12 V DC
14	Operating Voltage	5–13.2 V DC
15	Input Current / Power	0.10 A / 2.4 W
16	Mounting	Screw fixing (4 screws included)
17	Weight (including cable)	150 g
18	Approvals	CE, RoHS, RU, UKCA, WEEE
19	Warranty	3 years

1.9 GPU

S.No.	Specification	Description
1	Video Memory	2 GB
2	Memory Interface	64-bit
3	Cooling	Passive (fanless) 0dB thermal design
4	Video Outputs	1 × Native HDMI 1.4a
5	Maximum Digital Resolution	3840 × 2160
6	Maximum Display Support	2 or mote displays
7	Slot Size	1 slot