

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

DEPARTMENT OF INFORMATION TECHNOLOGY

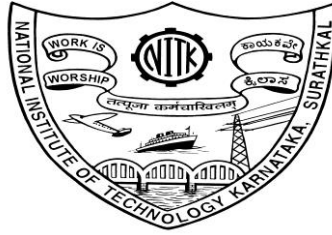
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NOTICE INVITING QUOTATION

Notification. No: NITK/IT/MISPL/2023/Macbook/4

dated: 21/02/2023

Name of Goods	Apple MacBook Air M2 (2022)
Estimated Amount:	Rs. 1,19,990 (MRP)
Time for Supply of item after release of Purchase order	7 (Days)
Document Download / Sale Start Date	21/02/2023
Clarification Start Date	21/02/2023
Clarification End Date	28/02/2023
Bid Submission Start Date	21/02/2023
Last Date for submission of bids	02/03/2023 before 3.00 PM
Bid Opening Date	02/03/2023 before 4:00 PM
Address for Submission of bids	Dr. Sowmya Kamath S., Department of Information Technology, Western Campus, National Institute of Technology Karnataka Srinivas Nagar P.O, Surathkal, Mangalore 575025 Ph: +91-824-247-3557 Email: sowmyakamath@nitk.edu.in



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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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**Sd/-
HOD**

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. Guarantee/Warranty 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 3 of this tender document.
8. 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	:	Apple MacBook Air M2 (2022)
Brief Specifications of the Item(s) (Attach Additional Sheet if necessary)	:	Additional sheet attached
Quantity	:	1
Any other details / requirement	:	Authorised service center availability within 25km radius of the delivery location.
Warranty Period required	:	3 years
Delivery Schedule expected after placement of Purchase order (in Weeks)	:	1 week

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

MacBook Air (M2, 2022) - Technical Specifications

Year introduced: 2022

Chip: Apple M2 chip

- 8-core CPU with 4 performance cores and 4 efficiency cores
- 8-core GPU
- 16-core Neural Engine
- 100GB/s memory bandwidth

Configurable to M2 with 8-core CPU and 10-core CPU

Media engine

- Hardware-accelerated H.264, HEVC, ProRes, and ProRes RAW
- Video decode engine
- Video encode engine
- ProRes encode and decode engine

Display

Liquid Retina display

- 13.6-inch (diagonal) LED-backlit display with IPS technology; 1 2560-by-1664 native resolution at 224 pixels per inch with support for 1 billion colors
- 500 nits brightness
- Wide color (P3)
- True Tone technology

Battery and Power2

- Up to 18 hours Apple TV app movie playback
- Up to 15 hours wireless web
- 52.6-watt-hour lithium-polymer battery
- 30W USB-C Power Adapter (included with M2 with 8-core GPU)
- 35W Dual USB-C Port Compact Power Adapter (included with M2 with 10-core GPU and 512GB storage, configurable with M2 with 8-core GPU)
- USB-C to MagSafe 3 Cable
- Fast-charge capable with 67W USB-C Power Adapter

Charging and Expansion

- MagSafe 3 charging port
- 3.5 mm headphone jack
- Two Thunderbolt / USB 4 ports with support for:
 - Charging
 - DisplayPort
 - Thunderbolt 3 (up to 40Gb/s)
 - USB 4 (up to 40Gb/s)
 - USB 3.1 Gen 2 (up to 10Gb/s)
 - MagSafe 3
 - Thunderbolt J USB 4
 - 3.5 mm headphone jack

Memory

- 8GB unified memory

Configurable to 16GB or 24GB

Storage

- 256GB / 512 GB SSD

Keyboard and Trackpad

Backlit Magic Keyboard with:

- 78 (U.S.) or 79 (ISO) keys including 12 full-height function keys and 4 arrow keys in an inverted-T arrangement Touch 10, Ambient light sensor, Force Touch trackpad for precise cursor control and pressure-sensing capabilities; enables Force clicks, accelerators, pressure-sensitive drawing, and Multi-Touch gestures

Wireless

Wi-Fi

- 802.11 ax Wi-Fi 6 wireless networking
- IEEE 802.11 a/b/g/n/ac compatible

Bluetooth

- Bluetooth 5.0 wireless technology

Camera

- 1080p
- 1080p FaceTime HD camera
- Advanced image signal processor with computational video

Audio

- Four-speaker sound system
- Wide stereo sound
- Support for Spatial Audio when playing music or video with Dolby Atmos on built-in speakers
- Spatial Audio with dynamic head tracking when using AirPods (3rd generation), AirPods Pro, and AirPods Max
- Three-mic array with directional beamforming
- 3.5 mm headphone Jack with advanced support for high-impedance headphones

Display Support

Simultaneously supports full native resolution on the built-in display at 1 billion colors and:

- One external display with up to 6K resolution at 60Hz
- Thunderbolt 3 digital video output
- Native DisplayPort output over USB-C
- VGA, HDMI, DVI, and Thunderbolt 2 output supported using adapters (sold separately)

Video Playback

- Supported formats include HEVC, H.264, and ProRes
- HDR with Dolby Vision, HDR10, and HLG

Audio Playback

- Supported formats include AAC, MP3, Apple Lossless, FLAC, Dolby Digital, Dolby Digital Plus, and Dolby Atmos

Operating Requirements

- Line voltage: 100V to 240V AC
- Frequency: 50Hz to 60Hz

Size and Weight

- Height: 0.44 inch (1.13 cm)
- Width: 11.97 Inches (30.41 cm)
- Depth: 8.46 inches (21.5 cm)
- Weight: 2.7 pounds (1.24 kg)-4

Operating System

- macOS

Accessibility

- Accessibility features help people with disabilities get the most out of their new MacBook Air. With built-in support for vision, hearing, mobility, and learning, you can create and do amazing things.
- [Learn more about Accessibility](#)

In the Box

- MacBook Air
- 30W USB-C Power Adapter (M2 with 8-core CPU) or 35W Dual USB-C Port Compact Power Adapter (M2 with
- 10-core CPU and 512GB storage)
- USB-C to MagSafe 3 Cable (2 m)