



DEPARTMENT OF GEOLOGY

PATNA UNIVERSITY, PATNA - 800005

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Ref. No. GEOL/Minor/100/02

Date 16-12-2024

Department of Geology, Patna University is planning to purchase the following Equipments under the minor research project entitled "A computational approach to study the internal dynamics of Earth's mantle" sanctioned to Dr. Urmi Dutta, Department of Geology, PU by Patna University with sanction letter no. 01/R&DC/RP/PU/Sanction, dated 26-08-2023 (serial no. 1).

S. No.	Equipments	Specifications	No. of unit required
1.	Laptop	M3 chip with 8-core CPU, 10-core GPU, 16-core Neural Engine, 24GB unified memory, 512GB SSD storage, 38.91 cm (15.3") Liquid Retina display, 1080p FaceTime HD camera, MagSafe 3 charging port, Two Thunderbolt / USB 4 ports, 35W Dual USB-C Port Power Adapter, Backlit Magic Keyboard with Touch ID (For detailed specification please see Annexure-1)	1
2.	Printer	Laserjet Black and white printer with print, scan, copy, automatic duplex printing and ADF (40 sheets); Connectivity with Bluetooth, Wi-Fi, USB, Ethernet enabled, Auto-Duplex, Print speed- 22 ppm, duty cycle upto 25000 pages, compatible with Apple airprint, wifi direct printing, 1 year onsite warranty.	1

For the above equipments, we invite quotations from reputed firms by 23rd December to supply these items within 30 days after issuing of the purchase order.

Terms and conditions:

1. The price should be inclusive of GST.
2. Quotation validity should be 30 days.
3. Warranty of at least 2 years.
4. Payment 100% bill basis through Account Payee Cheque/RTGS.
5. Installation will be done at the customer site.

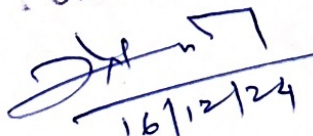
The quotation should be sent to the address, " Dr. Urmi Dutta, Assistant Professor, Department of Geology, Patna University, Patna, Ashok Rajpath, Bihar- 800005".

Best regards,

Urmi Dutta
16/12/24

Dr. Urmi Dutta,
Assistant Professor, Department of Geology, Patna University
Principal Investigator (Mob: 7980309843)

FORWARDED.


16/12/24

Head of the Department of Geology
Patna University, Patna-800005

Annexure-1

Specification for Laptop:

Chip	M3 chip with 8-core CPU, 10-core GPU, 16-core Neural Engine, 100GB/s memory bandwidth
Media Engine:	Hardware-accelerated H.264, HEVC, ProRes, and ProRes RAW, Video decode engine , AV1 decode engine
RAM/Memory	24GB unified memory
Storage	512GB SSD (Configurable to:1TB or 2TB)
Operating System:	macOS
Display	<ul style="list-style-type: none"> • Liquid Retina display with 38.91 cm / 15.3" (diagonal) LED-backlit display with IPS technology • 2880x1864 native resolution at 224 pixels per inch , 500 nits brightness • Colour : Support for 1 billion colours with Wide colour (P3) and True Tone technology
Battery and Power :	<ul style="list-style-type: none"> • Up to 15 hours wireless web • 66.5-watt-hour lithium-polymer battery • 35W Dual USB-C Port Power Adapter • USB-C to MagSafe 3 Cable • Fast-charge capable with 70W USB-C Power Adapter
Charging and Expansion :	<ul style="list-style-type: none"> • MagSafe 3 port and 3.5 mm headphone jack • Two Thunderbolt / USB 4 ports with support for Charging , DisplayPort , Thunderbolt 3 (up to 40 Gbps) and USB 4 (up to 40 Gbps)
Size and Weight	<ul style="list-style-type: none"> • Height: 1.15 cm (0.45") • Width: 34.04 cm (13.40") • Depth: 23.76 cm (9.35") • Weight: 1.51 kg (3.3 lb.)
Keyboard and Trackpad : Backlit Magic Keyboard with:	<ul style="list-style-type: none"> • 78 (US) or 79 (ISO) keys including 12 full-height function keys and 4 patna apple macbook store contact personarrow keys in an inverted-T arrangement • Touch ID • 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 6E (802.11ax) and Bluetooth 5.3

Camera :	<ul style="list-style-type: none"> • 1080p FaceTime HD camera • Advanced image signal processor with computational video
Audio :	<ul style="list-style-type: none"> • Six-speaker sound system with force-cancelling woofers • Three-mic array with directional beamforming • Voice Isolation and Wide Spectrum microphone modes • Enhanced voice clarity in audio and video calls • 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 colours and One external display with up to 6K resolution at 60Hz
Wireless :	Wi-Fi 6E (802.11ax) and Bluetooth 5.3
Warranty and Service :	Atleast 90 days of complimentary technical support and a 1-year limited warranty