



NOTICE INVITING QUOTATION (LIMITED TENDER)
FOR SUPPLY OF INSTRUMENTS/EQUIPMENTS/SYSTEMS FOR NESAC-ISRO & NEC (vis. MARSAC) SPONSORED RESEARCH PROJECT AT NIT MANIPUR

No. NITM.1/(19-Proj)/Azhoni/ICSSR/2023/348

Dated: 15/12/2023

Sealed Quotations in prescribed format are invited from Authorized & Registered Indian Manufacturers/Dealers/Firms/Agencies, etc, for the supply of the following listed Instruments/Equipments/Apparatus/System, required for the Sponsored Research project at the Department of Civil Engineering, NIT Manipur.

PROJECT DETAILS: Supply of Instruments/Equipments/Systems at Department of Civil Engineering

“Swachh Bharat Mission and Plastic Waste Management”

Sl. No	Items (Equipments/Systems) with Make/Model	Qty.	Purpose/Usage (in brief)	Technical Specifications (attached as)
1.	PORTABLE WORKSTATION (TABLET/LAPTOP) Model: Surface Pro 9 Make: Microsoft	1 no	For research report compilation and processing of files using Microsoft Office.	Annexure – 1
2.	Formfactor desktop computing CPU Model: Mac Mini M2 Chip with 8-Core CPU and 10-Core GPU	1 no	For research report compilation and processing of files; videos and audios compatible with macOS.	Annexure – 2


Registrar,
National Institute of Technology Manipur

TERMS AND CONDITIONS:

1. The Notice Invitation Quotation (NIQ) is open from the date of uploading of the same in the official website of NIT Manipur at www.nitmanipur.ac.in.
2. The last date of receipt of quotations/bids (by post/hand) will be 15 days from the date of opening i.e. uploading in the institute website: **08/01/2024 (04:00 P.M IST)**. NIT Manipur will not hold any responsibility for postal delays. However soft copies of **only the Technical Bids** may be emailed to the Project Focal/PI @ azho@iitdalumni.com to affirm the status of bid submissions.
3. Only prescribed format, to be downloaded from NIT Manipur website **www.nitmanipur.ac.in** shall be considered.
4. The sealed quotations will be tentatively opened on: **09/01/2024** by the constituted purchase committee of the institute.
5. All bidding documents must be sent/submitted to the institute in a sealed format by registered/speed post/hand to the **Dr. Adani Azhoni (Project Director), Associate Professor, Department of Civil Engineering, NIT Manipur, Langol, Lamphelpat Imphal (W) –795004, Manipur** on or before the last date prescribed. Delays on account of postal handling, etc will not be considered.
6. The envelope should be super scribed as **“Supply of Computer Workstation for SBA PWM”** at Department of Civil Engineering, NIT Manipur.

7. The Institute reserves the right to accept or reject quotation in whole or in part in the manner decided by the Purchase Committee/P.I., whose decision shall be final and binding. Mere submission of bidding documents does not entitle to qualify for the tender and supply process.
8. All quotes must be inclusive of eligible taxes as GST, and duties and for destination at the Department of Civil Engineering, NIT Manipur, Langol, Lamphelpat, Imphal (W)–795004. No separate freight charges shall be imposed under any circumstances.
9. Rate(s) quoted will be valid for **at least 3 (three) months** from the date of submission.
10. The payment for items will be done after receiving the items in good intact condition(s).
11. Purchase Order (P.O) will be issued to the Qualified Firms based on the outcome of the recommendations of the Purchase Committee. However, Firms who do not respond upon receipt/providing P.O. within 10 days will automatically stand cancelled/rejected. The next 2nd Applicable Firm will be provided with the P.O. or/as based on the recommendations of the Purchase Committee.

Note: All Quotations/Bid should be submitted in the official letter head of the firm/agency.



The logo of the National Institute of Technology Manipur is a circular emblem. It features a central lamp with a flame, radiating light rays. Below the lamp is a stack of three books. The entire emblem is encircled by a gear-like border. The text 'NATIONAL INSTITUTE OF TECHNOLOGY MANIPUR' is written in English around the bottom half of the circle, and in Hindi at the top. The background of the page is a light purple color with a faint, larger version of the institute's logo.

Dr. Adani Azhoni
(Project Director)
Associate Professor
Department of Civil Engineering
National Institute of Technology Manipur

ANNEXURE-I

FIRM/COMPANY/AGENCY PROFILE & BID FEE DETAILS

Ref.

No.:

Dated:

NOTICE INVITING QUOTATION (LIMITED TENDER) –

Supply and Installation of

Equipments/Systems for NESAC-ISRO & NEC Sponsored Research
Project at Department of Civil Engineering, NIT Manipur titled

“FLOOD EARLY WARNING SYSTEMS–MANIPUR (FLEWS–MN)”

PoA Project

NIQ/Bid Reference no.:

Dated:

FOLLOWING DETAILS ARE TO BE FURNISHED BY THE BIDDING FIRMS:

1. Name of the Firm:
2. Address of the Firm:
3. Contact no:
4. Email address:
5. Registration details:
6. Permanent Account Number:
7. Service Tax registration, GST registration details:
8. Bank Account details including Account Number, Bank name, Branch name & IFSC code:
9. Application fee details – Name of Bank.....
DD no..... Date:
10. EMD fee details (if any):

Name of the bank.....
Date
Amount

Important Note: Copies of the relevant documents are to be enclosed along with this Annexure including copy of latest filed Income Tax Returns (ITR) for FY 2023–2024 and GST Certification.

(in FIRM/COMPANY/AGENCY/DEALER's Letterhead)

DECLARATION:

I/We hereby declare that I/We have read & understood all the terms & conditions mentioned in the Notice Inviting the sealed quotations and I/We undertake myself/ourselves to abide by them.

I/We further, declare that all the information given above are true.

Name:

[Official Seal]

Designation:

Signature:

Place:

Date:



ANNEXURE-II

TECHNICAL AND FINANCIAL BID

**NOTICE INVITING QUOTATION (LIMITED TENDER) –
Supply and Installation of
Equipments/Systems for ICSSR Sponsored Research Project at Department of Civil
Engineering, NIT Manipur titled
“SWACH BHARAT ABHIYAN AND PLASTIC WASTE MANAGEMENT**

NIQ/Bid Ref. No.:

Dated:

TABLE 1 and TABLE 2 are to be furnished by the BIDDING FIRMS for items as applicable:

TECHNICAL BID

(in FIRM/COMPANY/AGENCY/DEALER's Letterhead)

Table 1: PRODUCT MAKE AND MODEL

Sl. No	Equipment / Instrument/System	Qty.	Purpose/Usage (in brief)	Desired / Preferred Product	Quoted Product, Make & Model
1.	PORTABLE WORKSTATION (TABLET/LAPTOP) Model: Surface Pro 9 Make: Microsoft	1 no	For research report compilation and processing of files using Microsoft Office.	Surface Pro 9 8 GB RAM and 256 GB Storage	
2.	Formfactor desktop computing CPU Model: Mac Mini M2 Chip with 8-Core CPU and 10-Core GPU	1 no	For research report compilation and processing of files; videos and audios compatible with macOS.	Mac Mini M2 Chip with 8-Core CPU and 10-Core GPU 8 GB RAM and 256 SSD	

(in FIRM/COMPANY/AGENCY/DEALER's Letterhead)

Table 2: ELIGIBILITY CRITERIA FULFILMENT
(as applicable to the BIDDING FIRM for items quoted)

Sl. No	Equipment / Instrument/System	Qty.	Product Eligibility Criteria/Standards (as stated or options can be also specified)	Please state in (Yes/No) Whether the quoted product fulfils the product eligibility criteria
1.	PORTABLE WORKSTATION (TABLET/LAPTOP) Model: Surface Pro 9 Make: Microsoft	1 no	Surface Pro 9 8 GB RAM and 256 GB Storage	
2.	Formfactor desktop computing CPU Model: Mac Mini M2 Chip with 8-Core CPU and 10-Core GPU	1 no	Mac Mini M2 Chip with 8-Core CPU and 10-Core GPU 8 GB RAM and 256 SSD	

(in FIRM/COMPANY/AGENCY/DEALER's Letterhead)

**DETAILS to be furnished by the BIDDING FIRMS for
FINANCIAL BID**

(to be enclosed in separate sealed envelope inside main envelope containing Technical Bid and other documents)

TABLE 3: FINANCIAL BID FORMAT

Sl. No	Equipment / Instrument/ System	Qty.	Rate/Amount (in INR Rs)	Applicable GST Amt. (Rs)	Any Other Taxes/ Duties (Rs)	Total Amount (<i>without</i> taxes) (Rs)	Total Amount (<i>with</i> taxes) (Rs)	Discounts, if applicable/any (for academic institutions) (% / Rs)
1.	PORTABLE WORKSTATION (TABLET/LAPTOP) Model: Surface Pro 9 Make: Microsoft	1 no						
2.	Formfactor desktop computing CPU Model: Mac Mini M2 Chip with 8-Core CPU and 10-Core GPU	1 no						
	TOTAL (as per items quoted)							

(in FIRM/COMPANY/AGENCY/DEALER's Letterhead)

DECLARATION:

I/We hereby declare that I/We have read & understood all the terms & conditions mentioned in the Notice Inviting the sealed quotations and I/We undertake myself/ourselves to abide by them. I/We further, declare that all the information given above are true and the quoted products are in compliance to the item specifications listed above in Annexure II (Technical and Financial Bid)

Name:

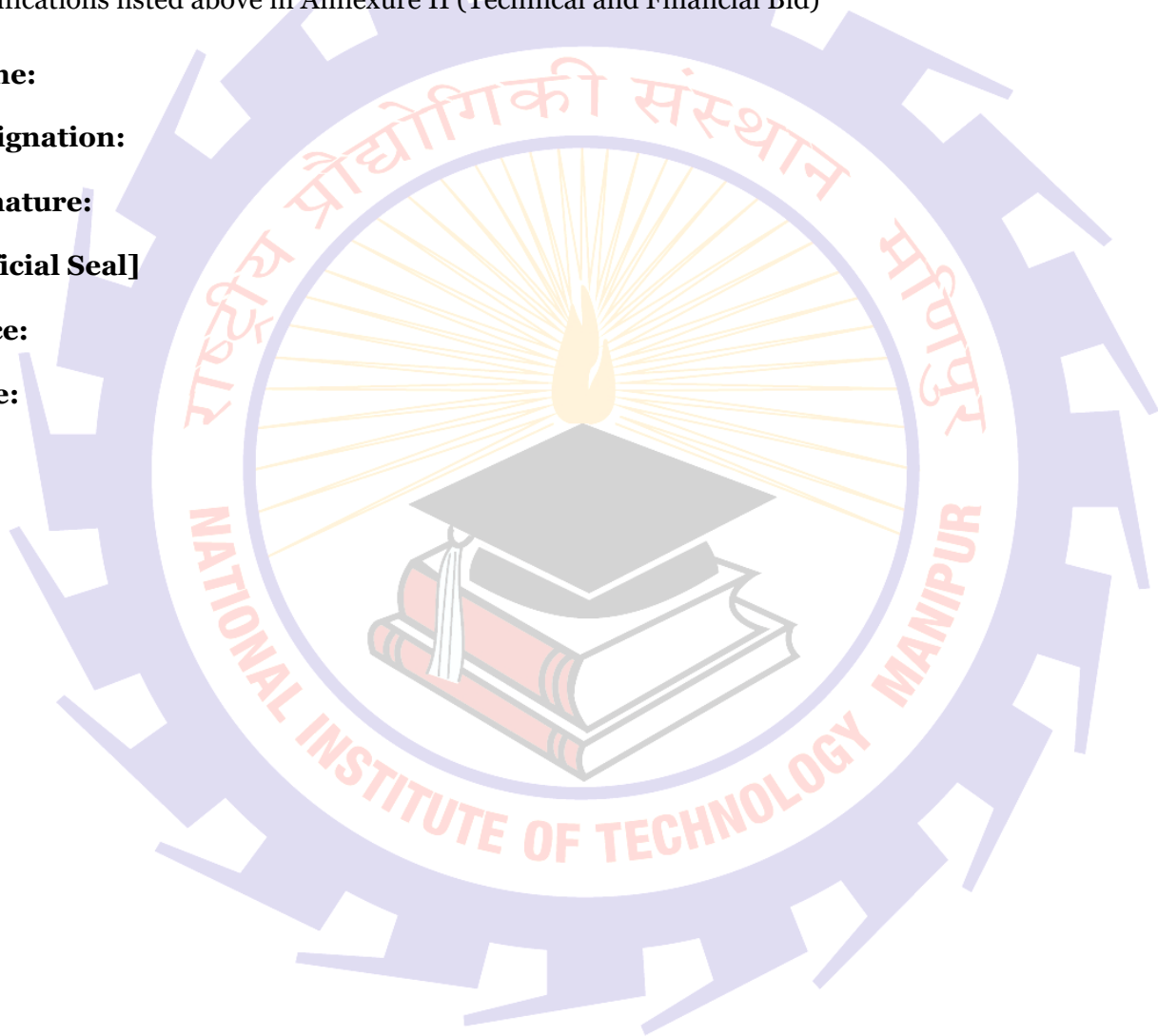
Designation:

Signature:

[Official Seal]

Place:

Date:





Technical Specifications

FOR SUPPLY OF INSTRUMENTS/EQUIPMENTS/SYSTEMS FOR ICSSR SPONSORED RESEARCH PROJECT AT NIT MANIPUR

PROJECT DETAILS: Supply of Computer, Printer and Accessories at Department of Civil Engineering for the ICSSR sponsored research project entitled:

SWACHH BHARAT ABHIYAN AND PLASTIC WASTE MANAGEMENT

Item (1): Portable WORKSTATION/WORKBOOK

Make: Microsoft. **Operating System:** Windows 11

Model: Surface Pro 9, 8GB RAM and 256 GB Storage

Purpose:

For research report compilation and processing of files using Microsoft Office.

Processor: Intel Evo™ Processor (Compatible with Microsoft OS and Office)

Memory: 8 GB RAM

Hard Disk Storage: 256 GB

Display: Screen: 13" PixelSense™ Flow Display. Resolution: 2880 X 1920 (267 PPI) Colour profile: sRGB and Vivid, Refresh rate up to 120Hz (Dynamic refresh rate supported) Aspect ratio: 3:2 Contrast ratio 1200:1 Adaptive Colour. Auto Colour Management supported Touch: 10-point multi-touch Dolby Vision IQ™ support 16. Gorilla Glass 5

Battery: At least to 15.5 hours of typical device usage

Size and Weight: Length: 287 mm (11.3"), Width: 209 mm (8.2"), Height: 9.3 mm (0.37"), Weight: 879 g (1.94 lbs)

Security: Windows Hello face sign-in

Video/Cameras: Windows Hello face authentication camera (front-facing) Front-facing camera with 1080p full HD video. 10.0MP rear-facing autofocus camera with 1080p HD and 4k video.

Audio: 2W stereo speakers with Dolby® Atmos®

Mics: Dual far field studio microphones

Connections: 2 x USB-C® with USB 4.0/ Thunderbolt™ 4. 1 x Surface Connect port. 1 x Surface Type Cover port.

Network & Connectivity: WiFi 6E: 802.11ax compatible. Bluetooth® Wireless 5.1 technology

Pen and accessories compatibility: Integrated storage and wireless charging for Surface Slim Pen 2 with Surface Pro Signature Keyboard. Supports tactile signals with Surface Slim Pen. Supports Microsoft Pen Protocol (MPP)

Software Operating System: Windows 11

Exterior: Casing: Aluminium. **Colour:** Graphite Black. **Physical buttons:** volume, power

Sensors: Accelerometer, Gyroscope, Magnetometer, Ambient Colour sensor

Warranty: 1 Year

Item (2) COMPUTER DESKTOP WORKSTATION (CPU ONLY):**Operating System: macOS****Model: Mac Mini M2 Chip with 8-core CPU and 10-core GPU****Purpose:**

For research report compilation and processing of files; videos and audios compatible with macOS.

Technical Specifications & Features:

Chip and Processor: Apple M2 chip. 8-core CPU with 4 performance cores and 4 efficiency cores. 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. Video encode engine. ProRes encode and decode engine.

Memory: 8GB **Storage:** 256 GB SSD

Display Support: Simultaneously supports up to two displays: One display with up to 6K resolution at 60Hz over Thunderbolt and one display with up to 5K resolution at 60Hz over Thunderbolt or 4K resolution at 60Hz over HDMI. Thunderbolt 4 digital video output. Support for native DisplayPort output over USB-C and HDMI display video output. Support for one display with up to 4K resolution at 60Hz.

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

Audio: Built-in speaker. 3.5 mm headphone jack with advanced support for high-impedance headphones. HDMI port supports multichannel audio output

Connections and Expansion: Two Thunderbolt 4 ports (M2) or four Thunderbolt 4 ports (M2 Pro) with support for: DisplayPort. Thunderbolt 4 (up to 40 Gbps). USB 4 (up to 40 Gbps). USB 3.1 Gen 2 (up to 10 Gbps). Thunderbolt 2, HDMI, DVI and VGA supported using adapters (sold separately). Two USB-A ports (up to 5 Gbps). HDMI port. Gigabit Ethernet port (configurable to 10Gb Ethernet). 3.5 mm headphone jack.

Communications and Network: Wi-Fi 6E (802.11ax)2. **Bluetooth** Bluetooth 5.3. **Ethernet** 10/100/1000BASE-T Gigabit Ethernet (RJ-45 connector) Configurable to 10Gb Ethernet (Nbase-T Ethernet with support for 1Gb, 2.5Gb, 5Gb and 10Gb Ethernet using RJ-45 connector)

Size and Weight: **Height:** 3.58 cm (1.41") **Width:** 19.70 cm (7.75") **Depth:** 19.70 cm (7.75") **Weight (M2):** 1.18 kg (2.6 pounds).

Electrical and Operating Requirements: **Line voltage:** 100–240V AC **Frequency:** 50Hz to 60Hz, single phase **Maximum continuous power (M2):** 150W **Maximum continuous power (M2 Pro):** 185W **Operating temperature:** 10° to 35° C (50° to 95° F) **Storage temperature:** –40° to 47° C (–40° to 116° F) **Relative humidity:** 5% to 90% non-condensing.

NB: The Technical Specifications provided in all the above 6 (six) items, must be compliant with established standards (ISI, ISO, etc) and in case compatibility issues arises, the same will be taken into consideration for the revised/modified product configuration/model.

Dr. A. Azhoni
(Project Director)
Associate Professor
Department of Civil Engineering
National Institute of Technology Manipur