Dated: 24-02-2025

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

CENTRAL COMPUTER CENTRE POST SRINIVASNAGAR, MANGALORE – 575 025 (D K)

Phone: (0824) 2474000. Fax: (0824) 2474033

E- mail: pic.ccc@nitk.ac.in Website: http://www.nitk.ac.in



NOTICE INVITING QUOTATION

Notification. No: NITK/CCC/MAC-MINI/2024-25/DOC4

Name of Goods	MAC MINI for running Apple based monitoring tools and diagnostic services
Estimated Amount	Rs. 2,50,000/-
EMD Amount (2% of estimated amount) (Applicable for estimate above 2.5 lakhs)	Nil
Time for Supply of item after release of Purchase order	10 (Days)
Document Download / Sale Start Date	24/02/2025, 5:00 PM
Clarification Start Date	24/02/2025, 5:00 PM
Clarification End Date	28/02/2025, 5:00 PM
Bid Submission Start Date	24/02/2025, 5:00 PM
Last Date for submission of bids	10/03/2025 before 3.00 PM
Bid Opening Date	11/03/2025
Address for Submission of bids [Type Address of the Department and Contact Person Details with Phone Number]	Professor-In-Charge, C.C.C., N.I.T.K. Surathkal Post Srinivasnagar-575 025. Ph: 0824-2473083



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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.

Name of Goods	MAC MINI for running Apple based monitoring tools and diagnostic services
Estimated Amount	Rs. 2,50,000/-
EMD Amount (2% of estimated amount) (Applicable for estimate above 2.5 lakhs)	Nil
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Last Date for submission of bids	10/03/2025 before 3.00 PM
Bid Opening Date	11/03/2025

Sd/-

[Signature of HOD with Seal]

Note: Institute shall not be responsible for any postal delay about non-receipt /non-delivery of the bids or due to wrong addressee.

Dated: 24-02-2025

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.
- 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
- 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.
- Guarantee/Warrantee 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.
- 9. <u>Delivery Period</u>: The Delivery Period/Time shall be deemed to be the essence of the Contract and delivery must be completed not later than such date(s). If the Supplier does not perform its obligations within the Delivery Period/Date mentioned in the Contract, the same would constitute the breach of the Contract and the Institute shall have the right to cancel or withdraw the Contract for the unsupplied portion after the expiry of the original or extended delivery date or period stipulated in the Contract. Such cancellation of the contract on account of non performance by the Supplier would entitle the Buyer to forfeit the EMD/Performance Security besides other actions such as debarment from the Institute as per GFR 2017.
- 10. <u>Liquidated Damages</u>: Timely delivery is the essence of the contract and hence if the Supplier fails to deliver Goods within the original/extended delivery period(s) specified in the contract, the Institute will be entitled to deduct/recover the Liquidated Damages for the delay, unless covered under Force Majeure conditions aforesaid, @ 1% per week or part of the week of the delayed period as pre-estimated damages not exceeding 5% of the contract value without any controversy/dispute of any sort whatsoever.
- 11. The bidder needs to comply with restrictions under rule No 144 (xi) of GFR (General Financial Rules) 2017 and the clause pertaining to Public Procurement Division Order (Public Procurement no 1,2 & 3 vide ref. F.No.6/18/2019-PPD dated 23.07.2020 and 24.07.2020 of Dept of Expenditure (DOE), Ministry of Finance). In this Connection Bidder has to submit Self Certification (as per Annexure A or B), depending on the status of the bidder.
- 12. The bidder needs to submit a Self-certification in line with Make in India, Public Procurement Order No. P-45021/2/2017-BE-II dt. 15.06.2017, P 45021/2/2017-PP (BE-II) dated 28.05.2018, P-45021/2/2017-PP (BE-II) dated 29.05.2019 and P45021/2/2017- PP (BE II) dated 16.09.2020 of DPIIT, Ministry of Commerce & Industry.

- The Bidder who will not meet this criterion will be rejected in the technical bid. The Self-certification should be provided as per Annexure C.
- 13. EMD must be in the form of Bank Guarantee **Annexure-D** (Fixed Deposit Receipt/Insurance surety bonds/DD/e-Payment mode (through Credit/Debit cards / Net Banking). It will be valid for 180 days from the date of opening of the tender. In case of EMD payment made through E-Payment, UTR Number with details should be uploaded. The firm registered with MSME/NSIC as per MSME procurement policy order 2012 will be exempted from submission of EMD. Intended parties will have to give proof of registration along with their tender. EMD of the unsuccessful bidders shall be refunded without any interest at the earliest after finalization of the purchase of the concerned item.
 - a. The EMD will be returned to the BIDDERs(s) whose offer is not accepted by NITK within one month from the date of the placing of the purchase order(s) on the selected BIDDER(s). In the case of the BIDDER(s) whose offer is accepted the EMD will be returned on submission of Performance Security in the form of Bank Guarantee (BG). However, if the return of EMD is delayed for any reason, no interest/penalty shall be payable to the Bidders.
 - b. The successful BIDDER, on the award of contract/order, must send the contract/order acceptance in writing, within 15 days of award of contract/order failing which the EMD will be forfeited.
 - c. The EMD shall be forfeited in case a successful BIDDER fails to furnish the Performance Security.
 - d. Bidder should prepare the EMD as per the instructions specified in the tender document. The original EMD should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission as specified in the tender documents. The details of the BG/DD/FD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise, the uploaded bid will be rejected.
- 14. <u>Performance Security</u>: The successful bidder shall deposit performance security of 3% of the quoted price in the form of Bank Guarantee (ANNEXURE-E) of any scheduled bank drawn in favour of The Director, NITK Surathkal, Mangaluru payable at Mangaluru. In case the bidder fails to deposit the said Performance Security within the stipulated period, including the extended period if any, the Earnest Money Deposited by the bidder shall be forfeited automatically without any notice. Please note the following points:
 - a. Successful bidder should submit performance Security as prescribed above to the purchase Section, NITK Surathkal, on or before 30 days from the date of issue of order acknowledgment.
 - b. Performance Security shall be for the due and faithful performance of the contract and shall remain binding, notwithstanding such variations, alterations for extensions of time as may be made, given, conceded, or agreed to between the successful bidder and the purchaser under the terms and conditions of acceptance to tender.

- c. The successful bidder is entirely responsible for the due performance of the contract in all respects according to the terms and conditions of the tender.
- d. The validity of the Performance Security must cover the warranty period plus two months.
- 15. Abnormally quoted low bid will be liable for rejection as per the OM No.F.12/17/2019-PPD of Department of Expenditure, Ministry of Finance dated 6th February 2020.
- 16. The buyer reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.
- 17. **Disclaimer** Bidders are advised to exercise caution and not respond to any unknown calls, emails, or embedded links requesting payment for participating in the tender or for any other purpose. Please note that NITK Surathkal never asks for any tender fee for participation in tenders or bids.

SCHEDULE OF REQUIREMENTS, SPECIFICATIONS AND ALLIED DETAILS

[To be filled up by the Department / Centre of NITK, Surathkal]

Item(s) Name to be Procured : MAC MINI for running Apple based monitoring tools and diagnostic

services

Brief Specifications of the Item(s)

(Annexure-F)

: Attached

Quantity : 02

Any other details / requirement :

Warranty Period required : As per OEM's norms + 2 year extended warranty by the OEM

Delivery Schedule expected

after placement of Purchase order

(in Weeks) : 10 days

Performance Security to be given

by Successful Bidder after release of

Purchase Order (in Rupees)

(applicable for estimate Above 2.5 lakhs)

: 3% of Purchase Order

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 (SI No. 3 * SI. 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)	:			
Signat	ure of the Bidder:				
Name	and Designation:				
Business Address :					
Place:		S	Seal of the E	Bidder's Fir	m

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 Bidd	ər:		_
Name	:		
Business Address	:		
Place : Date :		Seal of the	ne Bidder's Firm

Annexure-A

(Compliance to be submitted in the bidder's letterhead) (Applicable for estimate above 2.5 lakhs)

Sub: Compliance to Government of India order OM No.6/18/2019-PPD dated 23.07.2020 & 24.7.2020 regarding restrictions under Rule 144 (XI) of the General Financial Rules (GFRs), 2017

Item Name:			
Enquiry No.:			
pertaining to the procurement no	(name of the bidder company) have read the clauses Department of Expenditure's (DoE) Public Procurement Division Order (Public 1,2 & 3 vide ref. F.No.6/18/2019-PPD dated 23.07.2020 & 24.7.2020) regarding rocurement from a bidder of a country that shares a land border with India.		
We hereby certify that we are not from such a country and eligible to be considered for this tender.			
(Note: Non-compliance of above said Gol Order and its subsequent amendment, (if any), by any bidder(s) shall lead to commercial rejection of their bids by NITK)			
For and behalf o	f(Name of the bidder)		
(Signature, date & seal of an authorized representative of the bidder)			

Annexure-B

(Compliance to be submitted in the bidder's letterhead) (Applicable for estimate above 2.5 lakhs)

Sub: Compliance to Government of India order OM No.6/18/2019-PPD dated 23.07.2020 & 24.7.2020 regarding restrictions under Rule 144 (XI) of the General Financial Rules (GFRs), 2017

(name of the bidder company) have read the clauses
Expenditure's (DoE) Public Procurement Division Order (Public
f. F.No.6/18/2019-PPD dated 23.07.2020 & 24.7.2020) regarding n a bidder of a country which shares a land border with India.
Ta blader of a country which chares a land border with mala.
hich shares a land border with India & have been registered with
cified in the above-said order. We hereby certify that we fulfill all
are eligible to be considered.
by the Competent Authority is attached.
e said Gol Order and its subsequent amendment, (if any), by any
ial rejection of their bids by NITK)
lame of the bidder)
uthorized representative of the bidder)
f 1

Annexure-C

Self-Certification on the letterhead of the company (Applicable in case where the estimated/ offered value is above 5 lakhs)

In line with Government Public Procurement Order No. P-45021/2/2017-BE-II dt. 15.06.2017, P-45021/2/2017-PP (BE-II) dated 28.05.2018, P-45021/2/2017-PP (BE-II) dated 29.05.2019 and

	and P-45021/2/2017-PP (BE-II) dated 16.09.2020, we he	ereby certify that
•••	(Supplier name) are local supplier meeting requirer defined in as above orders for the material against E	inquiry / Tender No
• • • •		
	Details of the location at which local value addition v	vill be made are as follows:
	We also understand false declarations will be in the 175(1)(i)(h) of the General Financial Rules for which for up to two years as per Rule 151 (iii) of the General Financial Rules for which for up to two years as per Rule 151 (iii) of the General Financial Rules for which for up to two years as per Rule 151 (iii) of the General Financial Rules for which for up to two years as per Rule 151 (iii) of the General Financial Rules for which for up to two years as per Rule 151 (iii) of the General Financial Rules for which for up to two years as per Rule 151 (iii) of the General Financial Rules for which for up to two years as per Rule 151 (iii) of the General Financial Rules for which for up to two years as per Rule 151 (iii) of the General Financial Rules for which for up to two years as per Rule 151 (iii) of the General Financial Rules for which for up to two years as per Rule 151 (iii) of the General Financial Rules for which for up to two years as per Rule 151 (iii) of the General Financial Rules for up to two years as per Rule 151 (iii) of the General Financial Rules for up to two years as per Rule 151 (iii) of the General Financial Rules for up to two years as per Rule 151 (iii) of the General Financial Rules for up to two years as per Rule 151 (iii) of the General Financial Rules for up to two years are the financial Rules for up to two years are the financial Rules for up to two years are the financial Rules for up to two years are the financial Rules for up to two years are the financial Rules for up to two years are the financial Rules for up to two years are the financial Rules for up to two years are the financial Rules for up to two years are the financial Rules for up to two years are the financial Rules for up to two years are the financial Rules for up to two years are the financial Rules for up to two years are the financial Rules for up to two years are the financial Rules for up to two years are the financial Rules for up to two years are the financial Rules for up to two years are the financial Ru	a bidder or its successors can be debarred
	Date: Place:	Signature: Name and Designation: Mobile no: Office Telephone No: Email ID: Office Seal:

FORMAT FOR EARNEST MONEY DEPOSIT / BID BOND

(Applicable for estimate above 2.5 lakhs)

(To be typed on <u>Non-judicial stamp paper</u> of value Indian Rupees Five Hundred) (TO BE ESTABLISHED THROUGH ANY OF THE NATIONAL BANKS (WHETHER SITUATED AT MANGALURU OR OUTSTATION) WITH A CLAUSE TO ENFORCE THE SAME ON THEIR LOCAL BRANCH AT MANGALURU OR ANY SCHEDULED BANK (OTHER THAN NATIONALISED BANK) SITUATED AT MANGALURU. BONDS ISSUED BY COOPERATIVE BANKS ARE NOT ACCEPTED)

LETTER OF GUARANTEE
To Director, National Institute of Technology Karnataka, Srinivasnagar P.O., Surathkal Mangaluru – 575025
IN ACCORDANCE WITH YOUR TENDER for the supply of
(Rupees) valid up to (180 days from the date of issue of Bank Guarantee) , is required to be submitted by the bidder as a condition precedent for participating in the said bid, which amount is liable to be forfeited by the Purchaser on (1) the withdrawal or revision of the offer by the bidder within the validity period, (2) Non acceptance of the Letter of Intent/Purchase order by the Bidder when issued within the validity period, (3) failure to execute the contract as per contractual terms and condition within the contractual delivery period and (4) on the happening of any contingencies mentioned in the bid documents.
During the validity of this Bank Guarantee: We,
reservation, protest, demur and recourse. Any such demand made by the NITK Surathkal shall be conclusive and recourse. Any such demand made by the purchaser shall be binding on the Bank irrespective of any dispute or difference raised by the Bidder. The Guarantee shall be irrevocable and shall remain valid up to(180 days from the date of issue of Bank Guarantee) If any further extension is required, the same shall be extended to such required period on receiving instruction from the Bidder, on whose behalf the is Guarantee
Notwithstanding anything contained herein: * Our liability under this Bank Guarantee shall not exceed Rs (Rupees).

- * This Bank Guarantee shall be valid up to.....(date).
- * We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee Only and only if you serve upon us a written claim on or before(date).

Yours truly,

Signature and seal of the guarantor: Name of Bank:

Address:

Date:

Instruction to Bank: Bank should note that on expiry of Bond Period, the Original Bond will not be returned to the Bank. The bank is requested to take appropriate necessary action on or after the expiry of the bond period

Annexure-E

FORMAT FOR PERFORMANCE GUARANTEE BOND

(To be typed on Non-judicial stamp paper of the value of Indian Rupees of Five Hundred)

(Applicable for estimate above 2.5 lakhs)

To, Director, National Institute of Technology Karnataka, Srinivasnagar P.O., Surathkal Mangaluru – 575025
Whereas
And Whereas you have stipulated it in the said contract that the contractor shall furnish you with a bank guarantee by a Commercial bank for the sum specified therein as security for compliance with its obligations as per the contract;
And Whereas we have agreed to give the contractor such a bank guarantee.
Now Therefore we hereby affirm that we are guarantors and responsible to you, on behalf of the contractor, up to a total of
We hereby waive the necessity of your demanding the sail debt from the contractor before presenting us with demand.
We further agree that no change or addition to or other modification of the terms of the contract to be performed thereunder or of any of the contract documents which may be made between you and the contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition, or modification.
This guarantee shall be valid until theday of20
Our*(Name & Address of the*(Name & Address of the*(branch) is liable to pay the guaranteed amount depending on the filing of a claim and any part thereof under this Bank Guarantee only and only if you serve upon us at our* branch a written claim or demand and received by us at our* branch on or before Dt otherwise, the bank shall be discharged of all liabilities under this guarantee after that.

(Signature of the authorized officer of the Bank)
Name and designation of the officer
Seal, name & address of the Bank and address of Branch

*Preferably at the headquarters of the authority competent to sanction the expenditure for the procurement of goods or at the concerned district headquarters or the state headquarters.

Annexure-F

Detailed Technical Specifications

Specifications - Item 1

Processor M4 chip 10-core CPU with (4 Performance cores and 4 Efficiency cores), Or equivalent or better 10-core GPU Hardware-accelerated ray tracing 16-core Neural Engine (100GB/s memory bandwidth) RAM 24GB unified memory Configurable to: 32GB or 64GB or equivalent or better HDD 512GB SSD Configurable to: 1TB, 2TB or 4TB or equivalent or better 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 HDMI display video output Support for one display with up to 4K resolution at 60Hz, Or equivalent or better Media Engine Hardware-accelerated H.264, HEVC, ProRes and ProRes RAW Video decode engine ProRes encode and decode engine ProRes encode and decode engine Order features Two Thunderbolt 4 ports Two USB-A ports, HDMI port, Gigabit Ethernet, headphone jack Unix based operating system		T	
Or equivalent or better Graphics 10-core GPU Hardware-accelerated ray tracing 16-core Neural Engine (100GB/s memory bandwidth) RAM 24GB unified memory Configurable to: 32GB or 64GB or equivalent or better HDD 512GB SSD Configurable to: 1TB, 2TB or 4TB or equivalent or better Display 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 460Hz over HDMI Thunderbolt 4 digital video output Support for native DisplayPort output over USB-C HDMI display video output Support for one display with up to 4K resolution at 60Hz, Or equivalent or better Media Engine Hardware-accelerated H.264, HEVC, ProRes and ProRes RAW Video decode engine Video encode engine ProRes encode and decode engine or equivalent or better Connectivity Built in WiFi Two Thunderbolt 4 ports Two USB-A ports, HDMI port, Gigabit Ethernet, headphone jack Unix based operating system	Make and Model	To be specified by the bidder (MAC mini M4)	
(100GB/s memory bandwidth) RAM 24GB unified memory Configurable to: 32GB or 64GB or equivalent or better HDD 512GB SSD Configurable to: 1TB, 2TB or 4TB or equivalent or better Display 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 HDMI display video output Support for one display with up to 4K resolution at 60Hz, Or equivalent or better Media Engine Hardware-accelerated H.264, HEVC, ProRes and ProRes RAW Video decode engine Video encode engine ProRes encode and decode engine or equivalent or better Connectivity Built in WiFi Other features Two Thunderbolt 4 ports Two USB-A ports, HDMI port, Gigabit Ethernet, headphone jack Unix based operating system	Processor		
better HDD 512GB SSD Configurable to: 1TB, 2TB or 4TB or equivalent or better 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 HDMI display video output Support for one display with up to 4K resolution at 60Hz, Or equivalent or better Media Engine Hardware-accelerated H.264, HEVC, ProRes and ProRes RAW Video decode engine Video encode engine ProRes encode and decode engine or equivalent or better Connectivity Built in WiFi Other features Two Thunderbolt 4 ports Two USB-A ports, HDMI port, Gigabit Ethernet, headphone jack Unix based operating system	Graphics		
Display 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 HDMI display video output Support for one display with up to 4K resolution at 60Hz, Or equivalent or better Media Engine Hardware-accelerated H.264, HEVC, ProRes and ProRes RAW Video decode engine Video encode engine ProRes encode and decode engine or equivalent or better Connectivity Other features Two Thunderbolt 4 ports Two USB-A ports, HDMI port, Gigabit Ethernet, headphone jack Unix based operating system	RAM		
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 HDMI display video output Support for one display with up to 4K resolution at 60Hz, Or equivalent or better Media Engine Hardware-accelerated H.264, HEVC, ProRes and ProRes RAW Video decode engine Video encode engine ProRes encode and decode engine or equivalent or better Connectivity Other features Two Thunderbolt 4 ports Two USB-A ports, HDMI port, Gigabit Ethernet, headphone jack Unix based operating system	HDD	512GB SSD Configurable to: 1TB, 2TB or 4TB or equivalent or better	
Video decode engine Video encode engine ProRes encode and decode engine or equivalent or better Connectivity Built in WiFi Other features Two Thunderbolt 4 ports Two USB-A ports, HDMI port, Gigabit Ethernet, headphone jack Unix based operating system	Display	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 HDMI display video output Support for one display with up to 4K resolution at 60Hz, Or equivalent	
Other features Two Thunderbolt 4 ports Two USB-A ports, HDMI port, Gigabit Ethernet, headphone jack Unix based operating system	Media Engine	Video decode engine Video encode engine ProRes encode and decode engine	
Two USB-A ports, HDMI port, Gigabit Ethernet, headphone jack Unix based operating system	Connectivity	Built in WiFi	
	Other features		
	OS	Unix based operating system	
Warranty As per OEM's norms + 2 year extended warranty by the OEM	Warranty	As per OEM's norms + 2 year extended warranty by the OEM	
Number of items: One	Number of items:	One	

Specifications - Item 2

Make and Model	To be specified by the bidder (MAC mini M4)
Processor	M4 chip 10-core CPU with (4 Performance cores and 4 Efficiency cores), Or equivalent or better
Graphics	10-core GPU Hardware-accelerated ray tracing 16-core Neural Engine (100GB/s memory bandwidth)
RAM	32GB unified memory Configurable to: 64GB or equivalent or better
HDD	512GB SSD Configurable to: 1TB, 2TB or 4TB or equivalent or better
Display	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 HDMI display video output Support for one display with up to 4K resolution at 60Hz, Or equivalent or better
Media Engine	Hardware-accelerated H.264, HEVC, ProRes and ProRes RAW Video decode engine Video encode engine ProRes encode and decode engine or equivalent or better
Connectivity	Built in WiFi
Other features	Two Thunderbolt 4 ports Two USB-A ports, HDMI port, 10 Gigabit Ethernet, headphone jack
os	Unix based operating system
Warranty	As per OEM's norms + 2 year extended warranty by the OEM
Number of items:	One
	<u> </u>

Disclaimer Bidders are advised to exercise caution and not respond to any unknown calls, emails, of embedded links requesting payment for participating in the tender or for any other purpose. Please note that NITK Surathkal never asks for any tender fee for participation in tenders or bids.					