Quotation Notice No: QT202001609

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

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

QUOTATION NOTICE

MAIN STORE

Date : 22-Oct-2024

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.	**NITC/S&P/S1/396/ARCH(P)/EQPT/2024-25/9367**
2. Last Date for receipt of Quotation	**12 . Nov . 2024** Upto (IST) Time **4:00 PM**
3. The quoted rates should be valid upto	**3 Month**
4. Address to which quotation are to be sent	**The Director** **Kind attention Section-in charge (Store & Purchase)** **NIT Calicut** **NIT Calicut (P.O.)** **673 601**

AR (S&P)
Approved for issue

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.

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 days from the date of receipt/installation of the items in good condition.
(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 Govt. of India stamp paper worth Rs.200/-.

(ii) In case of value of supply order above Rs.100000 with warranty for the item, furnish a performance security deposit@3% of the basic cost for the due fulfillment of the contract. This security shall be in the form of DD in favour of the Director, NIT Calicut payable at SBI, Calicut REC Branch (Code2207) OR Bank Guarantee from any nationalized 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

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.	DJI MINI	1.00 NO	

Detailed Specification

Specs

item: DJI Mini (Quantity: 1 No., SL-1)

Aircraft

Takeoff Weight	< 249 g Standard aircraft weight (including the Intelligent Flight Battery, propellers, and a microSD card). The actual product weight may vary due to differenc materials and external factors. Training or examination is not required for flying this product in most countries and regions. Always check local laws a regulations before use. With the Intelligent Flight Battery Plus*, the aircraft will weigh more than 249 g. Always check and strictly abide by local laws an regulations before flying.
Dimensions	Folded (without propellers): 148×94×64 mm (L×W×H) Unfolded (with propellers): 298×373×101 mm (L×W×H)
Max Ascent Speed	5 m/s (S Mode) 5 m/s (N Mode) 3 m/s (C Mode)
Max Descent Speed	5 m/s (S Mode) 5 m/s (N Mode) 3 m/s (C Mode)
Max Horizontal Speed (at sea level, no wind)	16 m/s (S Mode) 12 m/s (N Mode) 12 m/s (C Mode) The max horizontal speed is subject to dynamic local restrictions. Always abide by local laws and regulations when flying.
Max Takeoff Altitude	With DJI Mini 4 Pro Intelligent Flight Battery: 4000 m With DJI Mini 3 Series Intelligent Flight Battery Plus*: 3000 m Increase in aircraft weight can affect flight propulsion. When the aircraft is using the Intelligent Flight Battery Plus, do not mount additional payloads li propeller guard or third-party accessories to avoid diminished propulsion. * The Intelligent Flight Battery Plus is not sold in Europe.
Max Flight Time	34 minutes (with Intelligent Flight Battery) 45 minutes (with Intelligent Flight Battery Plus)* Measured in a controlled test environment. Specific test conditions are as follows: flying forward at a constant speed of 21.6 kph in a windless laborat environment at 20 meters above sea level, in photo mode (without photo taking operation during flight), with Obstacle Avoidance Action set to Off, an 100% battery level until 0%. Results may vary depending on the environment, actual use, and firmware version. * The Intelligent Flight Battery Plus is not sold in Europe.
Max Hovering Time	30 minutes (with Intelligent Flight Battery) 39 minutes (with Intelligent Flight Battery Plus)* Measured in a controlled test environment. Specific test conditions are as follows: hovering in a windless laboratory environment at 20 meters above in photo mode (without photo taking operation during flight), with Obstacle Avoidance Action set to Off, and from 100% battery level until 0%. Results depending on the environment, actual use, and firmware version. * The Intelligent Flight Battery Plus is not sold in Europe.
Max Flight Distance	18 km (with Intelligent Flight Battery and measured while flying at 40.7 kph in a windless environment at 20 met above sea level) 25 km (with Intelligent Flight Battery Plus* and measured while flying at 44.3 kph in a windless environment at 2 meters above sea level) * The Intelligent Flight Battery Plus is not sold in Europe.
Max Wind Speed Resistance	10.7 m/s
Max Pitch Angle	35°

Operating Temperature	-10° to 40° C (14° to 104° F)
Global Navigation Satellite System	GPS + Galileo + BeiDou
Hovering Accuracy Range (windless or breezy)	Vertical: ±0.1 m (with vision positioning) ±0.5 m (with GNSS positioning) Horizontal: ±0.1 m (with vision positioning) ±0.5 m (with GNSS positioning)
Internal Storage	2 GB
Class	C0 (EU), with the option to apply for C1 (EU) in the DJI Fly app.

Camera

Image Sensor	1/1.3-inch CMOS, Effective Pixels: 48 MP
Lens	FOV: 82.1° Format Equivalent: 24 mm Aperture: f/1.7 Focus: 1 m to ∞
ISO Range	Video Normal and Slow Motion: 100-6400 (Normal) 100-1600 (D-Log M) 100-1600 (HLG) Night: 100-12800 (Normal) Photo 12 MP: 100-6400 48 MP: 100-3200
Shutter Speed	12MP Photo: 1/16000-2 s (2.5-8 s for simulated long exposure) 48MP Photo: 1/8000-2 s
Max Image Size	8064×6048
Still Photography Modes	Single Shot: 12 MP and 48 MP Burst Shooting: 12 MP, 3/5/7 frames 48 MP, 3/5 frames Automatic Exposure Bracketing (AEB): 12 MP, 3/5/7 frames at 0.7 EV step 48 MP, 3/5 frames at 0.7 EV step Timed: 12 MP, 2/3/5/7/10/15/20/30/60 s 48 MP, 5/7/10/15/20/30/60 s
Photo Format	JPEG/DNG (RAW)
Video Resolution	H.264/H.265 4K: 3840×2160@24/25/30/48/50/60/100*fps FHD: 1920×1080@24/25/30/48/50/60/100*/200*fps * Recording frame rates. The corresponding video plays as slow-motion video. 4K/100fps and HLG/D-Log M only support H.265 coding.
Video Format	MP4 (MPEG-4 AVC/H.264, HEVC/H.265)
Max Video Bitrate	H.264/H.265: 150 Mbps
Supported File System	exFAT

Color Mode and Sampling Method	Normal: 8-bit 4:2:0 (H.264/H.265) HLG/D-Log M: 10-bit 4:2:0 (H.265)
Digital Zoom	12MP Photo: 1-3x 4K: 1-3x FHD: 1-4x

Gimbal

Stabilization	3-axis mechanical gimbal (tilt, roll, pan)
Mechanical Range	Tilt: -135° to 80° Roll: -135° to 45° Pan: -30° to 30°
Controllable Range	Tilt: -90° to 60° Roll: -90° or 0°
Max Control Speed (tilt)	100°/s
Angular Vibration Range	±0.01°

Sensing

Sensing Type	Omnidirectional binocular vision system, supplemented with a 3D infrared sensor at the bottom of the aircraft
Forward	Measurement Range: 0.5-18 m Detection Range: 0.5-200 m Effective Sensing Speed: Flight Speed ≤ 12 m/s FOV: Horizontal 90°, Vertical 72°
Backward	Measurement Range: 0.5-15 m Effective Sensing Speed: Flight Speed ≤ 12 m/s FOV: Horizontal 90°, Vertical 72°
Lateral	Measurement Range: 0.5-12 m Effective Sensing Speed: Flight Speed ≤ 12 m/s FOV: Horizontal 90°, Vertical 72°
Upward	Measurement Range: 0.5-15 m Effective Sensing Speed: Flight Speed ≤ 5 m/s FOV: Front and Back 72°, Left and Right 90°
Downward	Measurement Range: 0.3-12 m Effective Sensing Speed: Flight Speed ≤ 5 m/s FOV: Front and Back 106°, Left and Right 90°
Operating Environment	Forward, Backward, Left, Right, and Upward: Surfaces with discernible patterns and adequate lighting (lux > 15) Downward: Surfaces with discernible patterns, diffuse reflectivity > 20% (e.g. walls, trees, people), and adequate lighting (lux
3D Infrared Sensor	Measurement Range: 0.1-8 m (reflectivity > 10%) FOV: Front and Back 60°, Left and Right 60°

Video Transmission

Video Transmission System	O4

Live View Quality	Remote Controller: Up to 1080p/60fps (available when the aircraft is flying in Photo or Video mode) Up to 1080p/30fps (available when the aircraft is flying in Video mode) Up to 1080p/24fps (available when the aircraft is in standby mode on the ground)
Operating Frequency	2.4000-2.4835 GHz 5.170-5.250 GHz 5.725-5.850 GHz 5.170-5.250 GHz can be used only in countries and regions where permitted by local laws and regulations.
Transmitter Power (EIRP)	2.4 GHz: < 33 dBm (FCC) < 20 dBm (CE/SRRC/MIC) 5.1 GHz: < 23 dBm (CE) 5.8 GHz: < 33 dBm (FCC) < 30 dBm (SRRC) < 14 dBm (CE)
Max Transmission Distance (unobstructed, free of interference)	FCC: 20 km CE: 10 km SRRC: 10 km MIC: 10 km Measured in an unobstructed outdoor environment free of interference. The above data shows the farthest communication range for one-way, non-r flights under each standard. Always pay attention to RTH reminders in the DJI Fly app during your flight.
Max Transmission Distance (unobstructed, with interference)	Strong Interference: urban landscape, approx. 1.5-4 km Medium Interference: suburban landscape, approx. 4-10 km Low Interference: suburb/seaside, approx. 10-20 km Data tested under FCC standard in unobstructed environments with typical interference. Used for reference purposes only and provides no guarante actual transmission distance.
Max Transmission Distance (obstructed, with interference)	Low Interference and Obstructed by Buildings: approx. 0-0.5 km Low Interference and Obstructed by Trees: approx. 0.5-3 km Data tested under FCC standard in obstructed environments with typical low interference. Used for reference purposes only and provides no guarant actual transmission distance.
Max Download Speed	O4: 10 MB/s (with DJI RC-N2) 10 MB/s (with DJI RC 2) Wi-Fi 5: 30 MB/s* * Measured in a laboratory environment with little interference in countries/regions that support both 2.4 GHz and 5.8 GHz, with footage saved to the storage. Download speeds may vary depending on the actual conditions.
Lowest Latency	Aircraft + Remote Controller: approx. 120 ms Depending on the actual environment and mobile device.
Antenna	4 antennas, 2T4R

Battery

Compatible Battery	DJI Mini 4 Pro Intelligent Flight Battery, DJI Mini 3 Series Intelligent Flight Battery Plus* * The Intelligent Flight Battery Plus is not sold in Europe.
Capacity	Intelligent Flight Battery: 2590 mAh Intelligent Flight Battery Plus*: 3850 mAh * The Intelligent Flight Battery Plus is not sold in Europe.
Weight	Intelligent Flight Battery: approx. 77.9 g Intelligent Flight Battery Plus*: approx. 121 g * The Intelligent Flight Battery Plus is not sold in Europe.

Nominal Voltage	Intelligent Flight Battery: 7.32 V Intelligent Flight Battery Plus*: 7.38 V * The Intelligent Flight Battery Plus is not sold in Europe.
Max Charging Voltage	Intelligent Flight Battery: 8.6 V Intelligent Flight Battery Plus*: 8.5 V * The Intelligent Flight Battery Plus is not sold in Europe.
Type	Li-ion
Energy	Intelligent Flight Battery: 18.96 Wh Intelligent Flight Battery Plus*: 28.4 Wh * The Intelligent Flight Battery Plus is not sold in Europe.
Charging Temperature	5° to 40° C (41° to 104° F)
Charging Time	Intelligent Flight Battery: 70 minutes (with the DJI 30W USB-C Charger and the battery mounted to the aircraft) 58 minutes (with the DJI 30W USB-C Charger and the battery inserted into the Two-Way Charging Hub) Intelligent Flight Battery Plus*: 101 minutes (with the DJI 30W USB-C Charger and the battery mounted to the aircraft) 78 minutes (with the DJI 30W USB-C Charger and the battery inserted into the Two-Way Charging Hub) * The Intelligent Flight Battery Plus is not sold in Europe.

Charger

Recommended Charger	DJI 30W USB-C Charger or other USB Power Delivery chargers (30 W)* * When you charge the battery mounted to the aircraft or inserted into the Two-Way Charging Hub, the maximum charging power supported is 30 W.

Charging Hub

Input	5 V, 3 A 9 V, 3 A 12 V, 3 A
Output	USB-A: Max Voltage: 5 V; Max Current: 2 A
Charging Type	Three batteries charged in sequence.
Compatibility	DJI Mini 4 Pro Intelligent Flight Battery, DJI Mini 3 Series Intelligent Flight Battery/Intelligent Flight Battery Plus * The Intelligent Flight Battery Plus is not sold in Europe.

Storage

Recommended microSD Cards	SanDisk Extreme PRO 32GB V30 U3 A1 microSDHC Lexar 1066x 64GB V30 U3 A2 microSDXC Lexar 1066x 128GB V30 U3 A2 microSDXC Lexar 1066x 256GB V30 U3 A2 microSDXC Lexar 1066x 512GB V30 U3 A2 microSDXC Kingston Canvas GO! Plus 64GB V30 U3 A2 microSDXC Kingston Canvas GO! Plus 128GB V30 U3 A2 microSDXC Kingston Canvas React Plus 64GB V90 U3 A1 microSDXC Kingston Canvas React Plus 128GB V90 U3 A1 microSDXC Kingston Canvas React Plus 256GB V90 U3 A1 microSDXC Samsung EVO Plus 512GB V30 U3 A2 microSDXC

DJI RC-N2

Max Operating Time	Without charging any mobile device: 6 hours When charging a mobile device: 3.5 hours
Max Supported Mobile Device Size	180×86×10 mm (L×W×H)
Operating Temperature	-10° to 40° C (14° to 104° F)
Charging Temperature	5° to 40° C (41° to 104° F)
Charging Time	2.5 hours
Charging Type	It is recommended to use a 5V/2A charger.
Battery Capacity	18.72 Wh (3.6 V, 2600 mAh × 2)
Supported Mobile Device Port Type	Lightning, USB-C, Micro-USB * Using a mobile device with Micro-USB port requires the DJI RC-N1 RC Cable (Standard Micro USB connector), which is sold separately.
Video Transmission Operating Frequency	2.4000-2.4835 GHz 5.170-5.250 GHz 5.725-5.850 GHz
Transmitter Power (EIRP)	2.4 GHz: < 33 dBm (FCC) < 20 dBm (CE/SRRC/MIC) 5.1 GHz: < 23 dBm (CE) 5.8 GHz: < 33 dBm (FCC) < 14 dBm (CE) < 30 dBm (SRRC)

Others

Guaranteed software updates until	2026/12/31

Product Categories
Consumer
Professional
Enterprise
Components

Service Plans
DJI Care Refresh
DJI Care Pro
DJI Care Enterprise
DJI Maintenance Program

Where to Buy
DJI Online Store
Flagship Stores
DJI-Operated Stores
Retail Stores
Enterprise Retailers
Agricultural Drone Dealer
Delivery Drone Dealer
Pro Retailers
DJI Store App

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Become a Dealer
Apply For Authorized Store

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Fly Safe
DJI Flying Tips

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