



पंडित द्वारका प्रसाद मिश्र
भारतीय सूचना प्रौद्योगिकी,
अभिकल्पन एवं विनिर्माण संस्थान जबलपुर
(संसदीय अधिनियम द्वारा स्थापित राष्ट्रीय महत्व का संस्थान)

Pandit Dwarka Prasad Mishra
Indian Institute of Information Technology,
Design and Manufacturing Jabalpur
(An Institute of national Importance established by an Act of Parliament)

Quotation Inquiry Letter

Letter No. PDPM IIITDMJ/P&S/2026-27/275

Dated: 19.08.2026

To,

Email:

Phone:

Sub: Inviting quotation for a Drone with Multisensor and AI kit/ Imaging and Communication System for Agriculture

Dear Sir/Madam,

The Institute intends to procure a Drone with Multisensor and AI kit/ Imaging and Communication System for Agriculture (as per the specification provided in Annexure-I) for one of its sponsored research projects. You are invited to participate in this bidding process and submit your quotation for the supply and installation of the drone with the following terms and conditions.

You may kindly give your lowest offer on the following terms and conditions by **07/09/2026**.

- 1) Interested Firms/Parties should submit documentary proof (photocopy) of the following:
 - a) Valid Registration Certificate of the firm.
 - b) GSTIN and PAN Number.
 - c) Experience in supplying the similar kind of items to Government/Educational Institutions/ Reputed Organizations.
 - d) A certificate from the OEM (Original Equipment Manufacturer) confirming that the bidder is an authorized dealer/distributor for the product or is authorized to submit a quotation for the said software in response to this invitation.
- 2) The rates quoted should be **FOR Destination**, inclusive of all applicable taxes/statutory levies (GST or any other applicable central/state government taxes). No additional charges shall be entertained by IIITDM Jabalpur.
- 3) 1-year comprehensive on-site warranty by OEM. OEM-ink signed manufacturer authorization certificate (MAC) and warranty certificate to be submitted along with the quotation.
- 4) The supplier must ensure **technical support** (email/phone/online) for installation and operation issues for a **minimum of 2 years** from the date of installation.
- 5) Sealed quotation should reach on or before **3.00 PM, by 07/09/2026**, to the **AR (Purchase), PDPM-IIITDM Jabalpur, Dumna Airport Road, Mehgawan, Jabalpur-482005**. Alternatively, duly signed quotations on the letterhead of the firm can also be submitted through email at the following email addresses: arpurchase@iiitdmj.ac.in and pkhanna@iiitdmj.ac.in within the same deadline of **3.00 PM, 07/09/2026**.
- 6) The Institute reserves the right to reject any or all bids without specifying any reasons thereof.

P. Mishra



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- 7) For any technical queries regarding the indented item or its specification or compatibility, please contact the undersigned at: pkhanna@iiitdmj.ac.in.
- 8) After successful placement of the Purchase Order to the L1 bidder(s), the successful bidder(s) shall submit a Performance Bank Guarantee (PBG) equivalent to 3% of the tendered value, either in the form of a Demand Draft or Bank Guarantee. The PBG shall be released after the successful completion of the warranty period, subject to satisfactory performance and fulfillment of all contractual obligations.
- 9) The item has to be delivered within 4 weeks after release of the purchase order.
- 10) Any delay or failure in delivering the items due to administrative or technical issues will be the responsibility of the supplier.
- 11) All disputes will be subject to the jurisdiction in Jabalpur, Madhya Pradesh.

Thanking you,

(Prof. Pritee Khanna)
Project Investigator

Detailed Technical Specifications**Drone with Multisensor and AI kit/ Imaging and Communication System for Agriculture**

Parameter	Suggested minimum requirement
UAV type	Professional foldable multispectral mapping UAV
Flight time	≥ 40 min
MTOW	$\geq 1,050$ g
RGB camera	4/3-inch CMOS, ≥ 20 MP
RGB shutter	Mechanical + electronic shutter
RGB video	4K @ 30 fps
Multispectral camera	≥ 5 MP, 4-band
Spectral bands	Green, Red, Red Edge, NIR
Approx. bands	560 nm, 650 nm, 730 nm, 860 nm
Multispectral output	TIFF or equivalent scientific format
Vegetation indices	NDVI, GNDVI, NDRE
RTK	Integrated/attachable RTK with cm-level accuracy
RTK accuracy	Approx. 1 cm + 1 ppm horizontal; 1.5 cm + 1 ppm vertical
Gimbal	3-axis mechanical gimbal
Obstacle sensing	Omnidirectional obstacle detection/avoidance
Controller	Integrated display, ≥ 5.5 ", ≥ 1000 nits, $\geq 1080p$
Software	AI-assisted s/w for navigation and control
Live transmission	Minimum 1080p/30 fps live view
GNSS	GPS + Galileo + BeiDou; RTK support
Storage	High-speed microSD, minimum V30
Operating temperature	At least -10°C to $+40^{\circ}\text{C}$



19-08-2026