

UNIVERSITY OF LADAKH
OFFICE OF THE CONSULTANT ENGINEER
WORKS DEPARTMENT

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NOTICE INVITING TENDERS

Name of Work: Procurement of Equipment under PM USHA Scheme, University of Ladakh (Supply, Installation, Testing & Commissioning of 2 Units (Leh Campus and Kargil Campus) of IoT and UAV Labs)

Head of Account: PM-USHA

Expenditure incurred as on date: NIL

Position of funds: Available

NIT No: 09 of UOL Leh campus (Taru)

Dated: 24-02-2026 (e-Tendering)

For and on behalf of the President of India, e-tenders are invited on item rate basis (as the case may be) from Original Equipment Manufacturers (OEMs) /Authorized Dealers of the instrument mentioned below. Bidders should be in possession of valid Digital Signature Certificate (DSC) of class III, registered with Ladakh e procurement system/ portal for the following work:

S. No	Name of Work	Est. Cost (Rs. In Lacs)	Cost of T/Doc. (In Rupees)	Earnest Money/ Bid Security (Rs In Lacs)	Time of completion	Class of Contract
1	Supply, Installation, Testing & Commissioning of 2 Units (Leh Campus and Kargil Campus) of IoT and UAV Labs	68.00	2000.00	1.36	15 days	Not applicable

Date of Issue of Tender Notice	24-02-2026
Period of downloading of bidding documents	24-02-2026, 06:00 PM
Bid Submission Start Date	24-02-2026, 06:00 PM
Bid Submission End Date	02.03.2026 up to 04:00 PM
Date & time of opening of Technical Bids (Online)	03.03.2026 at 11:00 A.M in the office of Consultant Engineer, Leh campus (Taru-thang), UOL.
Date & time of opening Financial Bids (Online)	To be notified after technical bid evaluation.
Scan copy of:	<ol style="list-style-type: none"> 1. EMD in favour of Registrar UOL, Melongthang Leh (No bid security declaration/ MSEM Shall not be entertained) 2. Cost of tender fee. 3. GST Registration No & GST Clearance certificate up-to date. 4. Pan card along with contact numbers. 5. Experience certificate and annual turnover. 6. Application Form(Annexure A) 7. Technical Specification (Annexure B) 8. Technical Specification Compliance Sheet (Annexure C)

9. Non-Blacklisting of supplier (Annexure D)
10. Proforma For User List (Annexure E)
11. Warrantee/Guarantee (Annexure F)
12. Declaration of Supplier (Annexure G)
13. Rate Reasonability Certificate (Annexure-H)
14. Authorization Certificate with specifically mentioned validity of authorization for this specific tender from the Principal/OEM
15. The printed literature and catalogue/brochure giving full technical details should be provided/ included with the technical bid to verify the specifications quoted in the tender
16. Service Manual/Circuit Diagram: It is specifically required that the bidders will supply all the operating & service manuals and circuit diagrams along- with the equipment.
17. Other as per NIT Requirement

No: WD/UOL/2025-26/786-794, Date: 24-02-2026


Junior Engineer, UOL

Dean Research Studies, UOL


Consultant Engineer, UOL

Copy to the:

- i. Deputy Commissioner/CEO, LAHDC, Leh for information.
- ii. Registrar, University of Ladakh for information.
- iii. Technical Director National Information Centre Leh. He is requested to kindly publish the NIT on the official district web site.
- iv. Chief Controller of Finance, LAHDC, Leh for information.
- v. Assistant Director Information Leh. He is requested to publish the NIT for wide publicity.
- vi. Dean research studies, UOL, for information and necessary action.
- vii. In charge Administration, Kargil Campus, Uol for information.
- viii. P.S to Hon'ble Vice Chancellor, University of Ladakh for kind information to the Hon'ble Vice Chancellor.
- ix. Notice Board, UOL.

GUIDELINES FOR PREPARATION AND SUBMISSION OF TENDER

1. Procedure for preparation of tender:

- a. Prepare the tender document in order of the checklist attached at Annexure-(i). The checklist should be on top of the technical bid. All other annexures must follow in the same order within each envelop as specified in checklist. If the tender is not as per format, the same may be rejected without any further communication.
- b. **The tender fee and EMD/Bid Security** shall be deposited through DD/NEFT/RTGS or other online transfer modes to designated bank account of the 'Leh Campus, University of Ladakh, Taru-thang Leh Ladakh'.

Account Name:	Registrar, University of Ladakh
Name of Bank:	J & K Bank, Leh
Account No:	0069010200000855
IFSC Code:	JAKA0PRIEST

2. **Procedure for Submission of tender:** Bids shall be submitted online only. University may request hard copy of supporting documents, if needed. University reserves the right to reject the bid without any reason before allotment.

Online tender submission:

- a. Online bid should be submitted at Ladakh e procurement website:
<https://tenders.ladakh.gov.in/nicgep/app>
 - b. The bidding process is online i.e. Technical Bid and Financial bid must be submitted online. Bidders should be in possession of valid Digital Signature Certificate (DSC) of class III for online submission of bids. Prior to bidding DSC need to be registered on the website mentioned above
- ### 3. Who can bid:
- a) Either the agent authorized on behalf of the Principal/OEM or Principal/OEM itself can bid.
 - b) If an agent submits bid on behalf of a Principal/OEM along with the Authorization Certificate with specifically mentioned validity of authorization for this specific tender from the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item (s)/product (s). All bids other than those from the Principal/OEM should be supported by an authority letter from Principal/OEM authorizing the supplier to tender on their behalf. In case of Principal/OEM, a certificate or a self-certified copy thereof to the effect that the bidder is manufacturer of the equipment must be accompanied with the technical bid.

. drone operations

Eligibility Criteria for the Bidders

S. No.	Criteria	Supporting Documents
i.	The company must be a registered company in the field of drone technologies or related domains.	i. Copy of Certificate of Incorporation ii. Copy of Memorandum and Articles of Association.
ii.	Should have proven expertise in providing state-of-the-art drone technology equipment, including hardware, software and integration	Copies of work order OR performance certificate from the clients.
iii.	Experience in setting up labs that include: <ol style="list-style-type: none"> i. Drone assembly and testing ii. Simulation software for drone operations. iii. Payload integration 	Copies of work order OR performance certificate from the clients.
iv.	Expertise to provide customized solutions as per academic and research needs.	Supporting documents in the support of the claim
v.	Should have successfully executed at least 10 projects of setting up drone-related labs in universities, research institutions, or industries in last 3 years.	Copies of supply/purchase orders
vi.	The company should have the experience of conducting at least 6 drone workshops/training programs for faculty/students/industry personnels in the last 12 months.	Supporting documents in the support of the claim

GENERAL TERMS AND CONDITIONS

- a. Technical compliance sheet for each instrument should be strictly as per tender format and signed & stamped on each page and not just cut /copy paste and should provide brochure mentioning item(s) with detailed information.
- b. The tenders received without earnest money, or misleading information or tender not submitted as per guidelines will be out-rightly rejected.

- c. If the supplier/firm is manufacturer/authorized dealer/sole distributor of any item, the certificate to this effect should be attached along with other documents.
- d. Apart from all these terms and conditions, specific terms as specified for each instrument must also be complied with.
- e. The tenders qualifying in technical evaluation will only be considered for financial evaluations. The price bid of others (who are not successful in technical evaluation) will not be considered. Financial bids of only technically acceptable offers shall be opened for further evaluation and ranking for the purpose of awarding the contract.
- f. Bidders are advised to visit this website regularly to keep themselves updated, for any changes/modifications in the Tender Enquiry Document.
- g. Delivery Schedule: Supply, Installation, testing & Commissioning to be done within 15 days from the date of award of contract.
- h. Civil Suit Jurisdiction: All legal proceedings in connection with this Supply/Purchase order/Contract shall be subject to the territorial jurisdiction of the local Civil Courts, as per Indian Laws, at Leh only.
- i. Cancellation: The University reserves the right to cancel the Supply/purchase order as a whole or in part at any time or in the event of default on the part of the Supplier prior to the receipt of information regarding taking in hand of the manufacture of material against the Supply/Purchase order/dispatch of material to the consignee.
- j. A committee to be framed for purchase of Raman Spectrometer
- k. Material/equipment plant should be inspected by the committee or any third party

Place: Leh

Dean Research Studies, UOL

Date: 24.02.2026

FINANCIAL TERMS AND CONDITIONS

1. **Prices:** Quoted prices of equipment should be in INR, and inclusive of insurance, loading/unloading charges and all other charges/taxes complete job while installing the instrument at University of Ladakh (UOL), Leh Campus, Taru-thang and Kargil campus, Ladakh
2. **Acceptance of Terms & Conditions:** Bidders must confirm the acceptance of all the terms and conditions of this tender. Non-acceptance or deviations from the terms and conditions must be clearly mentioned. However, tenderers must note carefully that any conditional offer or any

- deviation from the terms and conditions of this tender enquiry may render the bids liable for rejection.
3. **Payment:** 100% payment through RTGS/ILC or any other online mode available with the university. 100% of the payment will be released after successful installation, testing & commissioning and report of the inspection committee/committee of experts.
 4. **Penalty for non/late delivery of equipment:** If the supplier fails to deliver and install the material/equipment within the stipulated delivery period of the Supply/Purchase order/contract, the same is liable to pay penalty charges @ 0.5% per week (or part thereof) of the cost of goods/services, not exceeding maximum limit of 10% of the cost of complete unit of equipment/material so delayed to installed.
 5. **Security Deposit/PBG:**
 - a. Firm/bidder/Supplier is required to submit security deposit @3 % of the order value in the shape of FDR/PBG favouring Registrar, University of Ladakh and valid for Guarantee/Warranty period + 60 days within 5 days from the date of acceptance of Purchase Order. Failure to submit security deposit in the stipulated time will lead to **forfeiture of EMD**.
 - b. On faithful execution of the purchase order/contract on all respects, including warranty period, the security deposit of the contractors/supplier shall be released.
 - c. In the event of default on your part in faithful execution of Supply/Work order/contract, the security deposit shall be forfeited by an order of the Registrar of the University. The forfeiture of security deposit shall be without prejudice to any other right arising or accruing to the university under relevant provisions of the Supply/Work Order/contract, like – recovery of penalty/damages for delay as per delivery provisions, under Negligence & default clause, including suspension of business dealings with the bidder which could extend for a specific period.
 6. **Warranty/ Guarantee:** Three (03) Year from the date of commissioning/acceptance.
 7. **Installation:** Installation and Training for usage of the equipment under purchase will be of free of cost.
 8. **Arbitration:**
 - a. If, at any time, any question dispute or difference of whatsoever nature arise between the purchaser/University and the bidder/contractor/supplier, upon or in relation to or in connection with purchase order/contract, either party may forthwith give to the other notice in writing of the existence of such question dispute or difference and the same shall be referred to sole arbitration of a nominee of the purchaser/University, who shall give a reasoned/speaking awards. The award of the sole arbitrator shall be final and binding on the parties under the provisions of the Indian Arbitration Act-1996(Amended up to date) and of the rules, there under. Any statutory amendment, modification or re-enactment thereof for the time being in force, shall be deemed to apply and be incorporated in the contract/purchase order. The sole Arbitrator shall be any officer of the University whose name is approved by the Hon'ble Vice Chancellor. It will not be objectionable if the Sole arbitrator is an officer of the university and he has expressed his views on all or any of the matter in question of dispute or difference.
 - b. Upon every or any such reference, the cost of and incidental to the reference and award respectively shall be in the discretion of the sole arbitrator so appointed who may determine the amount thereof or direct the same to be fixed as between the solicitor and client or as between party and shall direct by whom & to whom and in what manner the same is to be borne and paid.

- c. The work under the contract shall, if reasonable possible continue/during the arbitration proceedings and no payment due or payable by the purchaser/university shall be withheld on account of such proceedings.
- d. Parts of Equipment: Where the equipment is composed of several separately marketable subunits/components/assemblies, the rate should be quoted for each subunit/ component. The University reserves the right to increase or decrease the number of subunits/components and number of equipment according to its requirements. The rates in ambiguous terms will render the bids liable to rejection. The words "Not quoting" should be clearly written against an item of equipment for which the tenderer is not quoting.
9. **Validity:** Tenders should be valid for 6 months from the last/due date of tender submission.
10. **Country of Origin:** Country of origin of the quoted item should be mentioned in the offer in case of Import item(s).

Place: Leh

Dean Research studies, UOL

Date: 24.02.2026

Annexure - (i)

Document for Technical Bids

Sr. No.	Checklist	Yes/No
1.	Tender Fee (If applicable),	
2.	EMD (NSIC/MSME Certificate attached, if exempted).	
3.	Application Form	Annexure A
4.	Technical Specification	Annexure B
5.	Technical Specification Compliance Sheet	Annexure C
6.	Non-Blacklisting of supplier	Annexure D
7.	Proforma For User List	Annexure E

8.	Warrantee/Guarantee	Annexure F	
9.	Declaration of Supplier	Annexure G	
10.	Rate Reasonability Certificate	Annexure-H	
11.	Authorization Certificate with specifically mentioned validity of authorization for this specific tender from the Principal/OEM		
12.	Photocopy of PAN, GST and TAN card.		
13.	Copy of income tax return for last 2 years		
14.	The printed literature and catalogue/brochure giving full technical details should be provided/ included with the technical bid to verify the specifications quoted in the tender.		
15.	Service Manual/Circuit Diagram: It is specifically required that the bidders will supply all the operating & service manuals and circuit diagrams along- with the equipment.		
16.	Tenders must accompany a copy of the " Financial Terms and Conditions " section of this document, signed and stamped on each page indicating that they agree to these and mention that in future they will not take any action against these terms and conditions.		

Documents for Financial Bid

1	Format of BOQ (Bill of Quantity) available on https://tenders.ladakh.gov.in/nicgep/app . This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only. Quoted prices of equipment should be firm, inclusive of insurance, loading/unloading charges and FOR University of Ladakh (UOL) Leh Campus, Taruthang Leh and Kargil campus, Kargil Ladakh). Please fill 0.00 in case for NIL amount for any column cell, blank cell will not go for evaluation and that bid will be out rightly rejected	Only online on Ladakh e Procurement system.
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Place: Leh

Date: 24.02.2026

Dean Research Studies, UOL

Annexure- 'A'

APPLICATION FORM

To be Filled Completely and Signed (should be on letterhead of bidder firm)

1. Contact details of the head office of proposing firm:
 - a. Name-
 - b. Address-
 - c. Tel. No.-
 - d. Fax -
 - e. Email -
 - f. Web site (If any)

2. Name and full address of local office of proposing firm nearest to Leh:
 - a. Name-
 - b. Address-
 - c. Tel. No.-
 - d. Fax -
 - e. Email -
 - f. Web site (If any)

3. Name and full address of manufacturer:
 - a. Name-
 - b. Address-
 - c. Tel. No.-
 - d. Fax -
 - e. Email -
 - f. Web site (If any)

4. Name of advising bank and account number:

5. SWIFT Code:

6. PAN, GST and TAN Number:

7. Manufacturing type (tick mark):
 - i. Import
 - ii. Indigenous
 - iii. Both

8. Country(s) of origin:

9. Any other relevant information:

TECHNICAL SPECIFICATIONS OF THE EQUIPMENT / ITEM(S)

Name of the Equipment / Item(s): Supply, Installation, Testing & Commissioning of Raman Spectrometer with Accessories (Research-grade Raman Spectrometer with Dual Wave length 532 nm and 785 nm).

Name of the Manufacturer:

Make of the Item/Equipment Model Number:

Country of Origin:

A. Schedule-1 Lab Items for IoT Lab		Qty	Unit
S.No	Item name	Specifications	
1	ESP32 Dev Board (ESP32-WROOM-32)	ESP32-WROOM-32 WiFi + BLE	25
2	Arduino Uno R3	ATmega328P	Nos
3	Arduino Nano ESP32 / Nano 33 IoT	ARM Cortex-M0+ WiFi/BLE	20
4	NodeMCU ESP8266	ESP32-C3	10
5	Raspberry Pi 4 (4GB)	4GB/8GB RAM SBC	15
6	Raspberry Pi 5 (8GB)	8GB RAM BCM2712	5
7	DHT22 (AM2302) Temp & Humidity	humidity $\pm 2\%$ RH (Max $\pm 5\%$ RH); humidity 0-100%RH	5
8	HC-SR04 Ultrasonic Sensor	Ranging Distance: 2cm - 4m; 15mA	25
9	PIR Motion Sensor (HC-SR501)	Distance Measure (cm): 300 ~ 700; Operating Voltage (V):4.5 to 20	25
10	MQ-135 Air Quality Sensor	operates at 5V; digital and analog output pin	25
11	Soil Moisture (Capacitive)	compatibility with a Raspberry Pi; operating voltage range of 3.3 ~ 5.5V.	25
12	BMP280 / BME280 Pressure Sensor	Operating Pressure 300 hPa to 1100 hPa; -40 to +85 deg. Celsius	25
13	BH1750 Light Sensor	1 lux to 65535 lux; Communication Mode:I2C	25
14	VL53L1X Time-of-Flight (ToF) Sensor	Measuring Range: 40mm – 4000mm (4m); Operating Voltage: 2.6V – 5V (3.3V/5V logic compatible)	15
15	MPU-6050 IMU Sensor	3-axis accelerometer and 3-axis gyroscope; 3-5V	25
16	Hall Effect Sensor (A3144)	Operating voltage: typically 5V.; Operating temperature: -40°C to 85°C.	25
17	RFID RC522 Module	SPI Data Transfer Rate: Max. 10Mbit/s; mifare1 S50, mifare1 S70, mifare UltraLight, mifare Pro	20
18	4-Channel Relay Module (5V)	3 Outputs per Relay: NO, NC and C; 10A @ 250 VAC	25
19	SG90 Servo Motor	Stall torque @4.8V : 1.2kg-cm; 360d rotation	30

20	Stepper Motor (NEMA17) + A4988 driver (kit)	Rate Current: 1.5-2.0A; Step Angle: 1.8° ± 5%	20	Nos
21	L298N DC Motor Driver	compatible with Arduino and Raspberry Pi;	25	Nos
22	DC Motors (small)	Operating Voltage: 3 to 6VDC	40	Nos
23	LoRa Module (SX1276)	Operating Voltage: 3 to 6VDC;Excellent blocking immunity; FSK, GFSK, MSK, GMSK, LoRaTM and OOK modulation.	20	Nos
24	NB-IoT / SIM7000E Module	Supports TCP, UDP, PPP, HTTP, FTP, MQTT, SMS, Mail, etc; Raspberry Pi Zero/Zero W/Zero WH/2B/3B/3B+	10	Nos
25	BLE Beacon (BLE 5.0)	Long Range BLE 5.0; Bluetooth	10	Nos
26	Raspberry Pi Camera Module V2 (8MP)	Supports 1080p30, 720p60 and 640x480p90 video; compatible raspberry pi latest version	10	Nos
27	USB Microphone Array / ReSpeaker	Sensitivity: -26 dBFS; Power Supply: USB 5V, external 5V	5	Nos
28	Google Coral / Intel NCS2 (Edge TPU)	Dual Edge TPU; -40 to +85°	4	Nos
29	Jetson Nano / Orin Nano (edge AI)	4GB/8GB memory	1	Nos
30	Raspberry Pi AI HAT / AI expansion	Compatibility: Raspberry Pi 5 (required), Raspberry Pi OS support; AI Performance: Up to 26 TOPS	5	Nos
31	Digital Oscilloscope (100 MHz) - Rigol/Siglent class	100 MHz bandwidth; TFT-LCD display with 800 * 480 resolution	2	Nos
32	Logic Analyzer (8-ch USB)	Input feature: 5PF,100K Ohm.;for MCU, ARM system and FPGA development	4	Nos
33	Bench Power Supply (0-30V, 5A)	OVP/OCP protection; usb interface;0 – 30	5	Nos
34	Digital Multimeter (Auto-ranging)	minimum count of 4000;DC/AC Current Measurement: Up to 10A	8	Nos
35	Soldering & Rework Station (ESD-safe)	60watt; temperature adjustment	4	Nos
36	Breadboard + Jumper Kit (full-size)	for Experimenting With Circuit Design In Labs;wire sizes 20-29 AWG	60	Nos
37	PCB Prototyping Kit / Mini Fab	2.54mm Hole Pitch; Single-Sided	3	Nos
38	Smart Home AI IoT Demo Kit	working voltage 7.4~8.5V comm: wifi	6	Nos
39	Smart Agriculture IoT Demo Kit	Soil Moisture Sensor;IoT-Based Smart Agriculture Monitoring	6	Nos
40	Industrial IoT Trainer Kit	embedded system programming; with sensors)	3	Nos
41	ACEBOTT Smart Farm Kit	connectivity: Wi-Fi Bluetooth LE; Interfaces: UART I2C SPI CAN	3	Nos
42	6-DOF Articulated Robotic Arm	4.8–6.8 V;Pulse; standard PWM control	2	Nos

43	FDM 3D Printer Bambu Lab	Print Size (L x W x H) (mm):256 x 256 x 256 Filament Supports: ABS, ASA, PA, PC, PET, PETG, PLA, PVA, TPU Supported Nozzle size (mm):0.2, 0.4 (Included) Hotend Temperature (°C):300	1	Nos
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B. Schedule-2: List of Items for UAV Lab

S.No	Item name	Specifications	Qty	Unit
1	Remotely Controlled Aircraft (RC Aircraft)	RC Aircraft with 1.6m Wing Span and range of 1 to 2 kms and payload capacity of 200 to 300 grams. Components: BLDC Motor, LiPo Battery ,2.4Ghz 6CH Transmitter and Receiver	1	Nos
2	FPV Racing Drone	First Person View (FPV) Racing Drone with 5.8Ghz Wireless Goggles for Live Video and range of 1 to 2 kms and payload capacity of 200 to 300 grams. Components: 250mm Racing Frame, BLDC Motor, LiPo Battery ,2.4Ghz 6CH Transmitter and Receiver	1	Nos
3	Quadcopter UAV	Quadcopter UAV is a manually operated UAV for training and experiment purpose. It has a payload capacity of 200 to 300 grams and range of 1 to 2 kms. Components: Frame with landing gear, BLDC Motor, LiPo Battery ,2.4Ghz 6CH Transmitter and Receiver	1	Nos
4	Autonomous Quadcopter Drone with wireless 4k HD camera	Autonomous Quadcopter Drone with wireless HD camera is an autonomous drone for carrying out pre-defined missions and it can be used for carrying out experiments and research. It has the payload lifting capacity of up to 500 grams and range of 1 to 2 kms. Components: 650mm Frame with landing gear, BLDC Motor, LiPo Battery, 2.4Ghz 6CH Transmitter and Receiver, Wireless 4k HD camera with Gimbal, Autonomous Flight Modes for automatic flight.	1	Nos
5	Hexacopter Aerial Vehicle	Hexacopter Aerial Vehicle is a manual operated UAV with Six motors or Hexa configuration. It is used for research activities with a higher payload lifting capacity of up to 600 grams. It has the range of 1 to 2 kms. Components: Frame with landing gear, BLDC Motor, LiPo Battery ,2.4Ghz 6CH Transmitter and Receiver	1	Nos
6	Parachute Unmanned Aerial Vehicle	Tri-Wheel structure with single motor and 1.5m parachute, servo, LiPo Battery ,2.4Ghz 6CH Transmitter and Receiver	1	Nos

7	DIY Quadcopter UAV Kit	DIY Quadcopter UAV kit is for the students to learn the basics of drones, its components, integration and calibration procedures. Components: F450mm glass frame Quad with landing gear, BLDC Motor, LiPo Battery ,2.4Ghz 6CH Transmitter and Receiver with range of 1-2 km, Payload lifting capacity 200 – 300 grams	5	Nos
8	Drone Simulator	Drone Simulator Software with USB Remote Control for practicing the flying in the computer to learn and get the control of the drone before going for real flight.	15	Nos
9	Thrust Measurement System	An experimental setup of thrust Measurement up to 10 kg. It will measure the Current and power required	1	Nos
10	Static Autopilot Mock Model	1.5 m wingspan static fixed wing aircraft model to display the functions of autopilot system	1	Nos
11	Autopilot & Communication System	A set of Autopilot and communication system which includes Pixhawk Flight Controller, GPS, Mavlink Communication, Power Module	5	Nos
12	Drone Frames	S500mm glass fiber Quad frame	2	Nos
13		F550mm glass Fiber Hexa frame	2	Nos
14		Racing Drone frame 250mm	1	Nos
15		Carbon Fiber Quad Frame 650mm	1	Nos
16	Flight Controllers	QQ Super Thunder, KK 2.1	2	Nos
17	Tools, Machinery, Miscellaneous and spares	Drilling Machine Bench press	1	Nos
18		Bosch Angle Grinder GWS 600	1	Nos
19		Bosch Drilling kit GSB 600	1	Nos
20		Bosch Zig Saw GST 680	1	Nos
21		Filing tools	5	Nos
22		Allen Key sets	5	Nos
23		Soldering Station	2	Nos
24		Cutting Mat	2	Nos
25		Professional Battery Charger	2	Nos
26		Digital Anemometer	2	Nos
27			10	Nos

		Power Distribution Board		
28	+	LiPo Bag and LiPo Battery Checker	5	Nos
29	+	Digital Calliper	2	Nos
30	+	Flat weighing scale	1	Nos
31	+	Electronic Hanging Balance	1	Nos
32	+	Peg board with tools	1	Nos
33	+	Golden Connectors -3.5mm	20	Nos
34	+	Soldering rods with variable temperature, flux, soldering lead	10	Nos
35	+	Hot glue gun with glue sticks	10	Nos
36	+	Screws, washer, nuts, cycle spokes rod, control horns, Cutters, Fibre and Insulation Tapes, Zip tags	10	Nos
37	+	Safety Gears	10	Nos
38		1. Arduino Controller Board	10	Nos
39		2. Raspberry Pi 4 2 GB RAM	2	Nos
40		3. Data Shield	5	Nos
41		4. Sensor Kit	1	Nos
42		5. ESP32 V1.0 IoT Module	10	Nos
43		6. M5 Stack Core 2 IoT Development Kit	2	Nos
44		7. TF Luna LiDAR Distance sensor	2	Nos
45		8. NVIDIA Jetson Nano Kit	2	Nos
46		16mm Carbon Fiber Tube, , , Balsa Wood, ,	5	Nos
47		2mm Carbon Fiber Sheet 300mmx200mm	5	Nos
48		Choro sheets 3mm 4ft x 3ft	10	Nos
49		Aluminum Tubes	5	Nos
50		Aluminum Composite 3mm 300mmx200	5	Nos

Additional requirements (Generals Terms)

- The technical specification given above are minimum indicative only for ease of operation, maintenance, use of latest technology with proven advantage and excellent after sale service facilities are important factors in evaluation process.
- Full-service manual with complete circuit diagram and circuit descriptions to be supplied both as hard copy and CD along with diagnostic tools.

- c. Vendor/supplier must provide authentic technical documents, application notes, and research article as proof of all their claims and all those documents should be available in website also.
- d. The supplied system should be complete in all aspects to take the sample analyses at installation premises.
- e. Installation will be confirmed after Test runs as mentioned in the protocols.
- f. Warranty: Minimum 3 years warranty from the date of installation of complete set up.
- g. Training: Onsite application training by original equipment manufacturer (OEM) Engineers for at least 1 weeks working (excluding installation time line) should be given except installation and commissioning at the installation site in India, which will also include real sample analysis quantification using different method files.

Dean Research Studies, UOL

Place: Leh

Date: 24.02.2026

Annexure-'D'

FORMAT FOR NON- BLACKLISTING OF SUPPLIER

I/ We _____Manufacturer/Authorized Distributor/Agent (strike out which is not applicable) of (Supplier) _____ do hereby declare and solemnly affirm that our firm/company is never black listed by the Union/State Government/Autonomous body.

Deponent
Address...

.....

I/ We hereby solemnly declare and affirm that the above declaration is true and correct to the best of my/our knowledge and belief. No part of it is false.

Deponent
Address...

.....

Annexure-'E'

PROFORMA FOR USER LIST

S. NO	Name & full address of purchaser	Purchase Order No. & Date	Year of Purchasing	No. of Units (Qty.)	Model No. with Date of Installation	Contact person with cell, phone and email id

Place:.....

Date:

Signature and seal
of the Manufacturer/Bidder

Annexure-F

CERTIFICATE OF WARRANTY/GAURANTEE

1. I/We certify that the warranty shall be for a period as specified in technical specification part starting from the date of satisfactory installation, commissioning and handing over of the equipment/tool and of the works conducted therewith covered under the supply order. During the warranty period, I/we shall provide free "after sale service" and the replacement of any part(s) of the equipment/tool or rectification of defect of work of the equipment will be free of cost. the replacement of the parts shall be arranged by us, at our own cost and responsibility.
2. We certify that the equipment/Tool being/quoted is the latest model and that spares for the equipment/tool will be available for a period of at least 5 years and we also guarantee that we will keep the organization informed of any update of the equipment over a period of 5 years.
3. We shall try to repair the equipment at Leh Campus and Kargil Campus, University of Ladakh, itself. However, the equipment will be taken to our site on our own expenses in case it is not possible to repair the same at Leh Campus and Kargil Campus, University of Ladakh. We shall take the entire responsibility for the safe custody and transportation of the equipment taken out for repairs till the equipment is rehabilitated to the Leh Campus and Kargil Campus, University of Ladakh, after repair.
4. We undertake to perform calibration after every major repair/breakdown/taking the equipment/tool for repair out of Leh Campus and Kargil Campus University of Ladakh premises with free of cost.
5. We guarantee the entire unit against defects of manufacture, workmanship and poor quality of components.
6. Guarantee/Warrantee will include everything in the period including consumable parts.
7. List of consumables along with Price of each consumable part applicable after the Guarantee/warrantee must be provided in the bid.
8. Repair period- All complaints will be entertained within 2 weeks(downtime) (unless specified otherwise) of the lodging of complaint otherwise penalty will be as follows:
 - a. @0.5% per week of total purchase value for 1st two weeks or part thereof after expiry of downtime.
 - b. @1% per week of total purchase value for next three weeks or part thereof.
 - c. @2% per week of total purchase value for further three weeks or part thereof.
 - d. If not complied with the above, legal action can be initiated to recover the cost of the equipment as per depreciation rule of Company Act 2013.
 - e. Further, the supplier (Original Equipment Manufacturer and their Authorized Dealer/Supplier) can be blacklisted at least 06 months upto three years.

Place:.....

Date:

Signature and seal
of the Manufacturer/Bidder

Annexure-'G'

DECLARATION BY SUPPLIER

It is certified that I/we have carefully read and understood the entire general, special as well as specific terms and conditions of these documents and agree to abide by all of these. All the information and commitments provided with the bids are truthful and binding on the firm.

Place:.....

Date:

Signature and seal
of the Manufacturer/Bidder

Annexure-H

RATE REASONABILITY CERTIFICATE

“Prices being charged from Leh Campus, University of Ladakh are not higher than the prices charged from other Govt./Semi Govt./Private/ Autonomous/Similar Institutions. If at any stage discrepancies found in rates quoted to University of Ladakh, we hereby agree to pay back equivalent amount along with interest thereon as per prevalent market rates to UOL.

Place:.....

Date:

Signature and seal
of the Manufacturer/Bidder