



ISLAMIC UNIVERSITY OF SCIENCE & TECHNOLOGY KASHMIR

GENERAL TERMS & CONDITIONS

The Bidders are expected to go through all instructions, terms & condition as specified in the bidding document. Failure to furnish complete required information or submission of a bid with incomplete information may result in rejection of the bid.

1. The tender duly completed and signed shall be submitted in two sealed envelopes. Envelope A (Technical Bid) and Envelope B (Financial Bid).
2. The Technical Bid (Envelope- A) would be opened first and the tenders found eligible will go for opening of Financial Bid (Envelope-B) on the same day or the day as decided by the DPTC. The Financial Bid (Envelope-B) of in-eligible bidders will not be opened.
3. The supply, transportation, installation and commissioning etc. of the items will be sole responsibility and at the risk of the firm till the acceptance by the University.
4. All the items and other accessories supplies made under this tender notice will be inspected by a Committee specially constituted for the purpose and in case the Committee is of the opinion that the supplies are not of the required specifications, the supplies shall be rejected and responsibility of lifting back the supplies will devolve on the supplier. Besides, in such an event, the EMD shall stand forfeited and the extra cost incurred in arranging the supply from the alternative sources shall also be recovered from the defaulting supplier apart from initiating the proceedings for blacklisting.
5. The University reserves the right to reject or accept any Proposal without assigning any reason or cancel or withdraw the tender. The University reserves the right to relax any condition enumerated or arising out of this tender, without assigning any reason/s thereof. If the supply of the required items is not affected before the specified period, the University shall have the authority to cancel the order or to take any action deemed fit in the circumstances.
6. The EMD may be forfeited:
 - a) If a Bidder withdraws its bid during the period of bid validity.
 - b) If at any stage it is proven that the information given by the bidder is incorrect.
 - c) In case of a successful Bidder, if the Bidder fails:
 - to execute the supply within the stipulated time.
 - if the items are not as per the specifications.
7. The University may, for any reason, whether suo-moto or in response to a clarification requested by a prospective bidder, modify the bidding documents by an amendment, any time prior to the last date for submission of bids.
8. Tenders received after the due date, improperly sealed, or with incomplete marking or with overwriting/corrections are liable to be rejected.
9. During evaluation of bids, the University may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing and no change in prices or substance of the bid shall be sought, offered or permitted.

I/We hereby declare that the information furnished in the tender is true and correct and also, I/We have gone through the terms and conditions stipulated in the Tender Document and confirm to abide by the same. In case the information provided is found incorrect at any stage, the University may take appropriate action as warranted.

Name and sign of the authorized person of the firm along with seal

Place:

Date:



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TENDER DOCUMENT

TECHNICAL BID (ENVELOPE- A):

It should contain the following:

- a) Authorization /dealership/manufacturer certificate.
- b) GST Registration.
- c) Technical specification/ literature for the goods/equipment (**Annexure-B**).
- d) Bidders Profile (**Annexure-C**).
- e) Warranty Certificate (**Annexure-E**).
- f) Bid security @ 2% in the shape of FDR of any nationalised Bank drawn in favour of “Islamic University of Science and Technology”, payable at Awantipora, Pulwama (J&K).
- g) Certificate of service support after sale wherever necessary.
- h) Proof of legal status.

FINANCIAL BID (ENVELOPE-B):

It should contain the following:

- a) Bid prices shall be in Indian Rupees (**Annexure-D**).
- b) The rates shall be quoted for Department of Electrical Engineering, IUST Kashmir including transportation, installation/commissioning/fixing but excluding GST. GST shall be paid as applicable from time to time.
- c) Bid price should be without over writing, however minor over writing should be clearly signed by the bidder. In case of any discrepancy between price quoted in figures and words, the price quoted in words shall be accepted.
- d) The rates should be covered with transparent tape.

VALIDITY OF BIDS:

Bids shall remain valid at least for 90 days from the date of opening.

EVOLUTION OF BIDS:

IUST shall evaluate and compare the bids which are found substantially responsive. i.e. which are

- Properly signed.
- Conform to terms and conditions and technical specifications.
- Accompanied with Bid security and all other documents.
- Bids shall be evaluated separately for each item.

AWARD OF CONTRACT:

- a) Contract shall be awarded to the bidder whose bid is commercially, technically responsive and offered at lowest evaluated price.
- b) The successful bidder shall be informed about the award of the contract where in terms and conditions of supply shall be incorporated.

DELIVERY PERIOD:

Delivery of items under this tender has to be made within a period of 04 weeks from the date of issuance of supply order.

PAYMENT:

100% payment shall be made against delivery of items, after successful verification/inspection of items by the University Verification Committee.



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WARRANTY:

All items shall carry comprehensive standard warranty of one year (**Annexure-E**).

SETTLEMENT OF DISPUTES:

Settlement of any dispute will be made under the jurisdiction of Srinagar court only.

SUBMISSION OF BIDS

The tender duly completed and signed shall be submitted in sealed envelopes. The two envelopes Envelope A (Technical Bid) and Envelope B (Financial Bid) should be kept in one sealed envelope upper-scribed “**Tender notice for supply of Lab Equipments for Department of Electrical Engineering**” and addressed to the **Chairman Departmental Purchase cum Technical Committee**, Department of Electrical Engineering, Islamic University of Science and Technology, Kashmir and shall be submitted on or before **10-02-2025 03.00 pm**.

BID OPENING

- a) The Technical Bid (Envelope- A) would be opened first and the tenders found eligible will go for opening of Financial Bid (Envelope-B) on the same day or the day as decided by the DPTC. The Financial Bid (Envelope-B) of in-eligible bidders will not be opened.
- b) Interested bidders can attend the bid opening occasion.



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Annexure-A

Schedule of Requirements:

S. No	Item Name & Brief Description	Qty.
1	<p>Two – Wheeler EV Motor Drivetrain Setup For Education & Training Live Experimental Setup with Data Acquisition, Data-Logging & Variable Loading Functionality. The Motor Controller should be configurable and based on appropriate software which can be loaded onto a Personal computer.</p> <p>EV Motor Drive Train Technical Specification</p> <ul style="list-style-type: none"> • Motor Type: BLDC Hub Wheel and PMSM Motor with Hall Sensor • Output Power: 1000 W or above • Max Torque: approx. 30.0 Nm • Speed (RPM): 750 rpm or more • Voltage Range 48V-60V DC • Ampere: 60 amp • No. of Pole Pairs: 30 or more • Efficiency: 85~92% • Waterproof Grade :IP65 or better • Working Temperature: -10°C - 80°C <p>Data Logging Feature:</p> <ul style="list-style-type: none"> • The Data-logger with Modbus Connectivity should be Provided along with software for data-logging facility. Should have facility for Graph plots & report generation. <p>Hardware Protections:</p> <ul style="list-style-type: none"> • Bus over-voltage, Bus under-voltage, over-current and over temperature. <p>Lithium-Ion Battery with Battery Charger:</p> <ul style="list-style-type: none"> • Battery: EV standard battery (Separate) • 48V, 20 Ah compatible with BLDC / PMSM Motor & Controller • Battery Charger: EV Battery charger with reverse polarity, short circuit, over-voltage, and over-load Protection and Buzzer for alert. <p>Configurable Motor Controller:</p> <ul style="list-style-type: none"> • A complete library that should call the controller, where all the commands that are existing on UART, USB, and should open protocols of controller in form of Blocks, and user should be able to just drag them into his models and use them with Controller to practically do any possible action that he needs within his program. • The Block set should be built on top of the C++ DLL. • Motor Controllers: Should have their Digital Control using UART, ARDUINO Library, Python and C++ Library Configuration which can be called in standard CAD software. • Motors supported: DC brushed, BLDC, PMSM, EC Coreless • Supply Voltage Range: 8-60V DC • Peak Current:220A peak to peak 	01 (One)



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- Continuous Current: 120A DC,
- Max. Continuous Output Power: Up to 5000 Watt
- Hardware Protections: Bus over-voltage, Bus under-voltage, overcurrent and over temperature
- Selectable Output PWM switching frequency from 8kHz to 80kHz.
- Automatic self-tuning and identification Motor parameters
- Closed-loop Torque, Speed or Position control.
- Advance Field Oriented Control and DTC
- PWM and Analogue voltage input for Controlling Speed and Torque

Air Cooled Powder Break / Eqv. Electrical Dynamometer:

- Dynamometer Type: Magnetic Powder Brake Dynamometer / Eqv.
- Capacity: 50 Nm at 0- 1000 RPM
- Torque control by Pot :0-100%
- Maximum Torque: 50.0 Nm
- Direction of Rotation: Bi-directional
- Loading & unloading: By Manually varying pot
- Coil Excitation: By 0-24 VDC, 3 Amp
- RPM Display: 4 Digit display with proximity sensor
- Mounting Type: The Dynamometers & DUT should be mounted on a single MS frame channel & DUT should be connected to loading dynamometer using Flexible Universal Shaft.

Other Features:

- High Accuracy Electrical Dynamometers for Load testing needs.
- Precise Control even at low loads and rapid changes in demands.
- Balanced Rotor shaft assembly on precision.
- Bearings to ensure smooth operation.
- User Operation / Lab Manual to be provided for the setup.

Modes of Operation:

- Analogue or Digital commanding
- Torque Control
- Speed Control
- Position Control



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Bidder's Profile to be placed in Envelope A (Annexure-C)

Name of the firm : _____

Tender for supply of : _____

Tender No. & Date : _____

Technical specification/ literature attached: Yes / No

GST certificate attached: Yes / No

Registration/ Authorization Dealership /
Manufacturer certificate attached: Yes / No

Revenue stamp affixed. Yes / No

Rates covered with transparent tape: Yes / No

Bid document fee deposited: Yes / No

Bid Security enclosed: Yes / No

Bid price in Indian Rupees: Yes / No

Bid without correction/overwriting: Yes / No

Seal and Signature of the Bidder



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Annexure-D (Price Bid)

S. No	Name of Equipment as per the tender	Price per unit FOR IUST campus Awantipora (Excluding GST*)	Quantity	Total Price

* GST shall be paid as applicable at the time of supply of the items.



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Annexure-E

WARRANTY CERTIFICATE

We warrant that everything to be supplied by us hereunder shall be brand new, free from all defects and faults in material workmanship and manufacture and shall be of the highest grade and quality and consistent with the established and generally accepted standards for material of the type ordered, shall be in full conformity with the specifications/drawings of samples if any and shall operate properly. We shall be fully responsible for its efficient operation.

In case of any latent defect or inconsistency due to poor manufacturing/repair and overhaul of the Machinery/Equipment or defective supply not conforming to the specifications if observed at the time of final inspection and thereafter within warranty period ----- months of the date of acceptance, we undertake the guarantee to repair/supply free of cost of defective items up to the final destination and the inland expenses borne by the indenter will be at our cost.

This warranty shall survive inspection and payment for and acceptance of the equipment/machinery shall expire (except in respect of complaints of which the contractor has been notified prior to such date) ----- months in case equipment/machinery after their successful acceptance by the purchaser.

Seal of manufacturer/supplier.

Dated _____

Signature-----

Name and Address of Manufacturer/Supplier: