

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT
N.I.T. Campus (P.O.), Kerala - 673601,
India Tel. : 0495228 , 133, 115, 116
EMAIL :purchase@nitc.ac.in
QUOTATION NOTICE

MAIN STORE

Date : 27-08-2026

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 reference number and last date for receipt of quotation super scribed.** 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/S3/546/EED/Plan/EQPT/2026-27 | |
| 2. Last Date for receipt of Quotation | 18-09-2026 | Upto (IST) Time 4:00 PM |
| 3. The quoted rates should be valid upto | 3 Months | |
| 4. Address to which quotation are to be sent | | |

The Assistant Registrar (Store & Purchase)

NIT Calicut
NIT Campus (P.O.)
673 601



AR (S&P)

Approved for issue

सहायक कुलसचिव (एस & पी)
Assistant Registrar (S & P)
राष्ट्रीय प्रौद्योगिकी संस्थान कलिकट
National Institute of Technology Calicut
केरल - 673601 / Kerala - 673601

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 for delivering at the premises of NIT 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.
- (g) An integrity pact should be executed between the buyer and the bidder/vendor for all the contracts.

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.5,00,000 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 made for each item separately.

List of Enclosures:1) Annexure 1

SCHEDULE C :

Sl. No.	Detailed Description	Quantity	Whether Samples are to be sent
1.	Procurement of BLDC Based Control System for EV Drive (Detailed Specification Attached)	1	No



BLDC Motor Drive for EV Test Bench Specification

Sl. No.	Item
1	BLDC Motor • 4.0 kW Nominal power • 7.2 kW Peak Power • 48 Volt motor • Base Speed 3000RPM • Maximum Speed 5500 RPM • Peak Torque 45 Nm • Hall sensor • Motor Temperature Sensor • Mechanical/Electrical loading arrangement provision
2	Three phase Inverter Drive • MOSFET based Drive • Peak Current 280 Arms(phase-current) • Maximum DC Current 160 A • IP67 Protection • 3 pin connectors for Hall, Throttle, Break, Forward, Reverse switches • CAN Connectivity • GUI based programming and autotuning option • GUI based Data Logging- Phase current, Speed, Id, Iq, Motor and Controller Temperature • FOC control with MTPA and MTPV operation • Programmable Regenerative Braking/Charging option • Inbuilt Phase Current sensor • Over Voltage Protection • Under Voltage Protection • Over Current Protection • Sensor Disconnection • Motor and Controller Temperature based safe disconnection. • Over Load Protection • Negative regen protection error • RH850/STM32H723/ VEGA AS4161 based controller • Real-time diagnostics via UDS/CAN protocol
3	Power Supply • 48 Volt -60 Amps power supply with 63 A protection • 12Volt Power Supply for Controller
4	Protective Casing with 23 pin Wiring harness • 63 Amp Connectors in Acrylic box • Throttle fitted to acrylic box with forward and reverse throttle option • Break Switch Mounted on Acrylic Box • DC Voltmeter mounted on Acrylic Box • Mode Selection Switch Mounted on Acrylic Box
5	Can Tool • USB to CAN Adapter with Dual-Channel CAN Analyzer
Mandatory Requirements 1. FOC Control and GUI based result exporting to .CSV format 2. Two day hands-on Training with the developed FOC system in MPTA and MTPV operation	

