



**NATIONAL INSTITUTE OF TECHNOLOGY, Tiruchirappalli 620 015**

**DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING**

**NOTICE INVITING QUOTATIONS**

<b>File No.</b>	<b>NITT/F.No:007/REVEX(OH-31)/2025-26/ICE</b>	<b>Date:</b>	<b>13-01-2026</b>
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**To**

(Supplier Address)

Sealed quotations are invited from reputed Authorized Dealers / manufacturers for the supply of the Items.

<b>Name of the Item</b>		<b>:</b>	<b>Consumables for Control Systems Laboratory and Robotics Laboratory</b>
<b>Quantity Required</b>		<b>:</b>	<b>As per Annexure-I</b>
<b>Specifications</b>		<b>:</b>	<b>As per Annexure-I</b>
1.	Quotation Reference No.	<b>:</b>	NITT/F.No:007/REVEX(OH-31)/2025-26/ICE
2.	Last date and Time for receipt of quotation	<b>:</b>	03-02-2026 before 12.00 PM <b>(Extended last date up to 18-02-2026 before 12.00 PM)</b>
3.	Date & Time of opening of Quotation	<b>:</b>	03-02-2026 at 03.30 PM <b>(Extended Opening date 18-02-2026 at 3.00 PM)</b>
4.	EMD Amount	<b>:</b>	Rs.2,814/- <i>(To be paid through SBI collect)</i>
5.	Validity (Days)	<b>:</b>	90 Days
6.	Address to which quotations are to be sent	<b>:</b>	The Director, National Institute of Technology, Tiruchirappalli – 620 015, Tamil Nadu, India
	<b>Kind attention to</b>	<b>:</b>	<b>Dr.V.Sridevi</b>
	<b>Phone No</b>	<b>:</b>	<b>0431-250 3350</b>
	<b>E-mail</b>	<b>:</b>	<b>sridevi@nitt.edu</b>

1. Quotations should be submitted in the format given in Annexure-I and Annexure-II
2. The envelope should contain the following details:

**“QUOTATIONS AGAINST ENQUIRY”**

**Name of the item: Consumables for Control Systems Laboratory and Robotics Laboratory**

**File No:NITT/F.No:007/REVEX(OH-31)2025-26/ICE**

**Purchase Initiator: Dr.V.Sridevi**

**Department: Instrumentation and Control Engineering**

**Last date and Time for receipt of quotation: 03-02-2026 before 12.00 PM**

**(Extended last date up to 18-02-2026 before 12.00 PM)**



**Earnest Money Deposit (EMD)**

1. Earnest Money Deposit (EMD) is to be submitted through SBI collect link as below. The bids submitted without EMD will be treated as non-responsive and will be rejected. EMD shall bear no interest.
2. Bidder must fill the EMD returning Form (Annexure-III) and submit along with the quotation.
3. EMD will be returned to the unsuccessful Bidder(s) as per the purchase norms.
4. The EMD shall be forfeited if any Bidder withdraws the offer before finalization of the tender.
5. UDYAM & NSIC registered Micro & small enterprises are exempted from paying EMD amount as per Govt. norms (proof to be attached). For availing EMD exemption, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. In respect of bid for Services, the bidder must be the Service provider of the offered services. Traders/Distributors/agents are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises.
6. EMD is also acceptable in other forms as per GFR Norms.

**EMD amount**

**Rs.2,814/-**

SBI Collect Link mode  
(Payment Category-  
NITT Tender- Earnest  
Money Deposit).

<https://www.onlinesbi.sbi/sbicollect/icollecthome.htm?corpID=1768557>

**The bidder must enclose SBI collect receipt along with the quotations, failing which the bid shall be rejected without any further communication.**



**Terms and Conditions:**

1.	The quotation must be in the format furnished by NIT Tiruchirappalli and should be free from corrections/erasures. In case there is any unavoidable correction it should be properly attested. If not, the quotation will not be considered. Quotation written in pencil and incomplete will be rejected.
2.	You are invited to submit your most competitive quotation for the supply of goods according to the specifications and delivery terms as given.
3.	The Bidders have to submit manufacturers authorization Letter from OEM along with the quotation, otherwise offer will not be considered, the same will be rejected.
4.	Bidders may send the quotations in sealed covers with the quotation reference number and last date for receipt of quotations duly superscribed on the cover. Mention the company Contact Number / E-mail id on the cover.
5.	Quotation will be opened on due date at <b>18-02-2026 at 03.00 PM at Stores &amp; Purchase Section, NIT, Tiruchirappalli</b> in presence of the tenderers or their representatives who may wish to be present. (Any change in the date, time and venue of the quotation opening will be informed to the bidders through telephone / E-mail)
6.	The National Institute of Technology, Tiruchirappalli reserves the right to accept or reject any quotations, and to cancel the bidding process, and reject all quotations at any time prior to the award of order without assigning any specific reason thereof.
7.	Manufacturer's name and country of origin of materials offered must be clearly specified. Printed brochures, Purchase preference is only for Micro & Small enterprises ( <b>MSE's</b> ) register in <b>UDYAM</b> Portal or <b>NSIC</b> as per Ministries policy for <b>MSE's</b> . Proof to be attached.
8.	All supplies are subject to inspection and approval before acceptance. Manufacturer / supplier warranty certificates and manufacturer / Government approved lab test certificate shall be furnished along with the supply, wherever applicable
9.	National Institute of Technology, Tiruchirappalli reserves the right to modify the quantity specified in this enquiry.
10.	Startup company exempted from prior turnover & prior experience (startup certificate registered with DIPP should be enclosed)
11.	The bidder has to submit the bids in sealed envelope, (separate for each tender). Further Bidder should not send clubbing many tenders in one envelope, in such case all the bids will be rejected.
12.	<b>Bid Price</b> a. The contract shall be for the full quantity Bidders must quote for entire quantity. Each bidder shall submit only one quotation in Indian Rupee only. b. Post work orders & completion certificate should be submitted, wherever applicable. c. The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account. d. GST, packing, forwarding and delivering other allied items at the destination shall be included in the price. All such price components may be shown in the quotation. If there is no indication regarding above charges. It will be considered as inclusive of all charges. e. <b>If any arithmetic mistake in total / GST calculation is observed, the same shall be corrected by the purchaser with an intimation to bidder</b>



	<p>f. In case the items in the enquiry are covered by any rate contract or any other state or central Government, it should be specified in your quotation and accepted contract rates should also be mentioned. It should be confirmed whether you could supply at the RC rates outside rate contract</p> <p>g. Quotations containing conditions like “subject to prior sale” may not be considered.</p> <p>h. Delivery period required for supplying the material should be invariably specified in the quotation</p> <p>i. <b>Bids without quoting GST (unless exempted) will be treated as invalid &amp; disqualified.</b></p> <p>j. <b>If there is a discrepancy between unit price and total price, the unit price will be considered. If there is any mismatch between figure and word, the amount in word shall prevail.</b></p>
13.	<b>Evaluation of quotations:</b> The purchase committee will evaluate and compare the quotations determined to be substantially responsive i.e. (i) are properly signed; (ii) Conform to the terms & conditions and specifications; and (iii) price offered are competitive.
14.	<p><b>Award of contract</b></p> <p>a. The National Institute of Technology, Tiruchirappalli will award the Order for supply of Goods / Services to the bidder whose quotation has been determined to be substantially responsive, and who has offered the lowest evaluated quotation price.</p> <p>b. The Bidder should furnish the contract agreement and performance security within 15 days from the date of receipt of the order for supply of goods / services, failing which the order will be cancelled without further notice and awarded to next eligible bidder.</p> <p>c. Notwithstanding the above, National Institute of Technology, Tiruchirappalli reserves the right to accept or reject any quotations, and to cancel the bidding process, and reject all quotations at any time prior to the award of order without assigning any specific reason thereof.</p> <p>d. National Institute of Technology, Tiruchirappalli, prior to the expiration of the quotation validity period, will notify the bidder whose bid is accepted for the award of contract. The terms of accepted offer shall be incorporated in the purchase order.</p>
15.	<b>Warranty: 12 Months</b>
16.	<p><b>Performance Security:</b> Security deposit should be <b>3%</b> of purchase order value in case of Performance Bank Guarantee should be valid for 60 days beyond the guarantee &amp; warranty. The successful bidder need to submit performance security <u>(As mentioned in Annexure –I)</u> of purchase order value either in the form of bank guarantee or crossed demand draft drawn on any Nationalized bank in India in favor of “The Director, NIT, Tiruchirappalli” payable at Trichy. The bank guarantee / Demand Draft will be returned to the supplier after 60 days from date of successful completion of supply, installation, and the warranty period.</p>
17.	<p><b>Payment:</b> 100% will be paid after Installation and satisfactory working/date of completion of service if the documents are in order. The bill should be raised in favor of “The Director, National Institute of Technology, Tiruchirappalli, Tamil Nadu, India.” with institute GST No. 33AAATN5491Q1ZZ. No advance will be provided to the supplier and installer.</p>



18.	<b>Liquidity damages</b> If the bidder / supplier, after accepting the Purchase Order or supply of Goods / Services, fails to deliver any or all of the Goods or to perform Services within the period(s) specified in the Order, The National Institute of Technology, Tiruchirappalli shall impose penalty without assigning any reasons to the bidder / supplier a sum equivalent to 0.50 % of the total cost as indicated in the Purchase Order (which will be deemed as agreed price) for each week or part thereof of delay until actual delivery or performance is completed and such penal charges shall be limited to a maximum of 5% of the agreed price. Once the maximum is reached The National Institute of Technology, Tiruchirappalli, may proceed on its own to consider the termination / cancellation of the Order and may inform the bidder about the cancellation of the said purchase order. unless extension is obtained in writing from the office / Department on valid ground before expiry of delivery period
19.	If the deliveries are not maintained and due to that account Procuring Entity is forced to buy the material at your risk and cost from elsewhere, the loss or damage that may be sustained there by will be recovered from the defaulting supplier
20.	Dispute clause: Any dispute relating to the Enquiring /Tender of the indented item shall be under the Hon'ble Court having its jurisdiction over Tiruchirappalli only
21.	Startup company exempted from Prior Turnover & Prior Experience (Startup certificate registered with DIPP should be enclosed)
22.	<b>GST as applicable</b>
23.	Performance Bank guarantee should be valid for 60 days beyond the guarantee & warranty and the BG submitted for EMD shall be valid for 45 days beyond bid validity period.
24.	The successful bidder should submit <b>Security Deposit/PBG</b> within 15 days from the date of placement of order. The <b>EMD</b> shall be returned only after receipt of SD. If the bidder fails to deliver the material, then the <b>EMD/SD</b> shall be forfeited.



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**DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING**

**ACCEPTANCE BY THE BIDDER**

I/We hereby certify that I/We shall abide hereby the terms and conditions and the Annexures of this limited quotation.

**Signature & Seal of Vendor with Date**

For any details / clarifications regarding could be obtained from Stores and Purchase Section on all working days during 10 AM to 5 PM.

For further detail related to Technical specifications kindly contact **Dr.V.Sridevi** (Purchase initiator), **DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING, Mail ID: sridevi@nitt.edu, Ph.031-2503350**

(NB: Mention the Contact Number / E-mail on the cover. Any change in the date, time and venue of the tender opening will be informed to the bidders through telephone / E-mail)

<b>Enclosures:</b> 1) Specifications of the equipment	Annexure - I
2) Price Format	Annexure - II
3) EMD Return Format	Annexure - III
4) Bank Mandate Form	Annexure - IV



**NATIONAL INSTITUTE OF TECHNOLOGY, Tiruchirappalli 620 015**

**DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING**

**Annexure-I**

**SPECIFICATIONS OF THE EQUIPMENT**

Ref:NITT/F.No:007/REVEX(OH-31)/2025-26/ICE

Date:13-01-2026

S.No	Technical Specifications of NIT-T	Specifications of the supplier (No hand written)	Supplier commitment
	As per Annexure-A		
	Installation required	No	
	Warranty (in Month)	12 months	
	Comprehensive AMC required	No	
	Delivery Period	4 Weeks	
	Shipment terms	At NIT-T	
	Payment Terms	100% Payment after satisfactory delivery/Installation	
	Performance Security in %	3%	
	EMD Amount 2%	Rs.2,814	

**Signature & Seal of Vendor with Date**

**Note:**

Specification of the Supplier should be given in detail, single word confirmation like Complied / No / same will be treated as non - responsive Bid and summarily rejected.

Proof for the supplier's specification must be enclosed along with the quotations. (catalogue, brochure, and product website link if any)





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**DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING**

**Annexure-A**

**Specifications finalized by the Committee**

1.	Name of the Equipment / Goods	Consumables list enclosed for Control Systems & Robotics Laboratory
2.	Specifications:	<div> <b>1. TC78H651AFNG (O, EL) Toshiba DC Motor Driver</b> </div> <div> <b>Specifications:</b> <ul style="list-style-type: none"> <li>Power supply voltage (Absolute maximum ratings): 8.0 V (max)</li> <li>Power supply voltage (Operating Range): 1.8 V to 7.5 V</li> <li>Output current (Absolute maximum ratings): 2.0A (max)</li> <li>Output ON resistance: 0.22 <math>\Omega</math> (typ.) (Ta = 25 °C, Sum of upper and lower side, VM = 5.0 V)</li> <li>Built-in standby function: Consumption current 0 <math>\mu</math>A (typ.)</li> <li>Built-in cross conduction protection circuit</li> <li>Built-in over current detection (ISD), thermal shutdown (TSD), and under voltage lockout (UVLO)</li> <li>Forward / Reverse / Stop modes are selectable</li> <li>Package: P-TSSOP16-0505-0.65-001</li> </ul> </div> <div> <b>2. TB67H420FTG (O, EL) Toshiba DC Motor Driver</b> </div> <div> <b>Specifications:</b> <ul style="list-style-type: none"> <li>Supporting large current (9.0 A) and high voltage (50 V) brushed DC motor operation.</li> <li>Capable of driving two brushed DC motors using dual H-Bridge mode.</li> <li>Capable of driving one stepping motor using dual H-bridge mode.</li> <li>Built-in sense resistor less current control. (ACDS: Advanced Current Detection System).</li> <li>Low Rds (on) MOSFETs (High side+ Low side=0.33 <math>\Omega</math> (typ.)).</li> <li>Error detection features (Thermal shutdown (TSD), Over current detection (ISD), Power-on-reset (POR), and Motor load open detection (OPD)).</li> <li>Error detection signal output (Error Output).</li> <li>Internal VCC (5 V) regulator enables the driver to be operated with a single power supply (VM).</li> <li>Adjustable constant current PWM frequency using external components.</li> <li>Small package with thermal pad. (QFN48: 7.0 mm x 7.0 mm).</li> </ul> </div> <div> <b>3. TC78H630FNG (O, EL) Toshiba BLDC Motor Drivers</b> </div> <div> <b>Specifications:</b> <ul style="list-style-type: none"> <li>Power supply voltage for motor : VM=18 V (Absolute Maximum Ratings)</li> <li>Power supply voltage for control : VCC=6 V (Absolute Maximum Ratings)</li> <li>Output current : IOU=2.1 A (Absolute Maximum Ratings)</li> <li>Output ON resistance : Ron(upper and lower sum) =0.4 <math>\Omega</math>(Typ.)</li> <li>Internal pull-down resistors on inputs : 200 k<math>\Omega</math>(Typ.)</li> <li>Built-in over current detection (ISD), thermal shutdown (TSD) circuit, and under voltage lockout (UVLO) circuit.</li> <li>Small package : P-TSSOP16-0505-0.65-001</li> <li>Built-in cross conduction protection circuit</li> </ul> </div> <div> <b>4. DRV8850RGYR Texas Instruments Motor Driver</b> </div> <div> <b>Specifications:</b> <ul style="list-style-type: none"> <li>Motor Driver/Controller, H-Bridge, 2V to 5.5V supply, 8 A/2 Outputs, VQFN-24</li> <li>Motor Type - Motor Type</li> <li>Operating Temperature - -40°C to 85°C</li> </ul> </div>





		<b>5. Multirotor BLDC Motor 920KV 2212(CCW)</b>
		<b>Specifications:</b>
		<ul style="list-style-type: none"> <li>KV - 920</li> <li>Voltage range - 7.4-14.8V</li> <li>Lipov ell - 2-4S</li> <li>Motor net weight - 52g</li> <li>Mounting hole pitch - 16mm &amp; 19mm, M3</li> <li>Recommended prop - 8-10inch</li> <li>Recommended ESC - <math>\geq 18A</math></li> </ul>
		<b>6. 3090 ccv V2 X8 plus propeller</b>
		<b>Specifications:</b>
		<ul style="list-style-type: none"> <li>Material : Carbon fibre</li> <li>Propeller Size : 30 Inches</li> <li>Pitch is 90</li> </ul>
		<b>7. Castor Wheel for Omnidirectional Robot</b>
		<b>Specifications:</b>
		<ul style="list-style-type: none"> <li>Bearing Type: Plain Bearing</li> <li>Wheel material: White nylon PP material</li> <li>Wheel diameter: 25mm</li> <li>Wheel face width: 13mm</li> <li>Mounting height: 34mm</li> <li>Plate size: 38*32 (mm)</li> <li>Mounting hole diameter : 4mm</li> <li>Mounting hole center distance : 30*24 (mm)</li> <li>Single wheel load : 10kg</li> <li>Single wheel weight : 0.04kg</li> <li>Kind: Rotating Wheel</li> </ul>
		<b>8. Small Castor Wheel</b>
		<b>Specifications:</b>
		<ul style="list-style-type: none"> <li>Wheel Diameter - 40mm</li> <li>Wheel Width - 40mm</li> <li>Material - PP</li> <li>Load 25kg</li> </ul>
		<b>9. Universal Ball Castor Wheel</b>
		<b>Specifications:</b>
		<ul style="list-style-type: none"> <li>Wheel width – 2inches</li> <li>Item dimensions L x W x H - 50 x 50 x 50 Millimeters</li> <li>Product Dimensions - 5 x 5 x 5 cm; 350 g</li> <li>Load Capacity – 150kg</li> </ul>
		<b>10. ACS712ELECTR-20A-T current sensor</b>
		<b>Specifications:</b>
		<ul style="list-style-type: none"> <li>1.2 m<math>\Omega</math> internal conductor resistance</li> <li>2.1 kVRMS minimum isolation voltage from pins 1-4 to pins 5-8</li> <li>5.0 V, single supply operation</li> <li>66 to 185 mV/A output sensitivity</li> <li>80 kHz bandwidth</li> <li>Total output error 1.5% at TA= 25°C</li> </ul>
		<b>11. OPB350W125Z liquid level sensor</b>
		<b>Specifications:</b>
		<ul style="list-style-type: none"> <li>Output Current - 50mA</li> <li>Power Dissipation – 100mW</li> <li>Breakdown Voltage (Collector to Emitter) – 30V</li> <li>Forward Current (Max) – 50mA</li> <li>Operating Temperature - -40 °C to 85 °C</li> </ul>
		<b>12. D7E-3 angular position sensor</b>
		<b>Specifications:</b>



- Operating angle - 50° to 80°
- Electrical ratings - 0.1mA at 5 VDC to 100mA at 30 VDC, resistive load
- Contact resistance - 100mΩ max
- Operating temperature - -25 to 60°C (with no icing or condensation)
- Dielectric strength - 250 VAC, 50/60 Hz for 1 min
- Operating humidity - 45% to 95%

### 13. SS494B hall effect sensor

#### Specifications:

- Supply Voltage - 4.5V to 10.5V
- Operating Temperature - -40°C to 150°C
- Output Voltage Min - 200mV

### 14. IPS2200BI1R inductive position sensor

#### Specifications:

- Rotation sensing up to 360° angle range
- Sup±18V over-voltage and reverse-polarity protection on output pins
- Wide operation temperature: -40°C up to +125°C
- Supply voltage programmable for 3.0V to 3.6V or 4.5V to 5.5V
- Small 16-TSSOP package (4.4 × 5.0 mm body)
- High accuracy: ≤ 0.2% full scale

### 15. IPS22 00BI1W high speed inductive position sensor

#### Specifications:

- Sup±18V over-voltage and reverse-polarity protection on output pins
- Supply Voltage Range - 3V to 3.6V, 4.5V to 5.5V
- Rotation Sensing Range - 0° to 360°
- Operating Temperature Range - -40°C to +125°C

### 16. LSM6DSRXTR Gyroscope

#### Specifications:

- Analog supply voltage: 1.71 V to 3.6 V
- ±125/±250/±500/±1000/±2000/±4000 dps full scale
- ±2/±4/±8/±16 g full scale
- Smart FIFO up to 9 kbytes
- Extended full-scale range for gyroscope up to 4000 dps
- Temperature range - -40 °C to 85 °C

### 17. EC12E24204A9 Rotary Encoder

#### Specifications:

- Encoder Resolution - 24PPR
- Orientation - Vertical
- Rotational Life Cycles - 30000
- Shaft Diameter - 6mm
- Supply Voltage - 5V
- Operating Temperature - -10°C to 70°C
- Shaft Length - 25mm

### 18. DS1822+T&R temperature sensor

#### Specifications:

- Power-Supply Range is 3.0V to 5.5V
- Measures temperatures from -55°C to +125°C (-67°F to +257°F)
- ±2.0°C Accuracy from -10°C to +85°C
- DS1822 digital thermometer provides 9- to 12-bit centigrade temperature measurements

### 19. LM335H-NOPB Temperature Sensor

#### Specifications:

- Sensing Accuracy Range - ± 2°C



- Sensing Temperature - -40°C to 100°C
- Measured Temperature - -40°C to 100°C
- Operating Temperature - -40°C to 100°C
- Supply Voltage Min - 5V
- IC Output Type - Voltage
- Sensor Output Type - Analogue

### 20. FSR01CE Force Sensitive Resistor

#### Specifications:

- Active area - 39.70 x 39.70mm
- Thickness (inc 0.05mm adhesive) - 0.375mm
- Sensor overall width - 43.69 x 43.69mm
- Sensor overall length - 83.09mm
- Tail length - 39.40mm
- Tail width - 7.62mm
- Operational temp. range - -20 to +85°C
- Actuation force - Force to reach 10MΩ, Average of 100 samples

### 21. MC32668 fan Finger Guard

#### Specifications:

- Material - C1008 Steel
- Finish - Bright Nickel Chrome
- Ring Diameter - 1.8mm
- Rib Diameter - 1.8mm
- Height - 5.5mm

### 22. Interconnected Aluminium Servo Bracket

#### Specifications:

- Material - 2mm Hard aluminium
- Surfacing - Sandblasting Oxidation
- Weight - 7g
- Color - Black

### 23. L-shaped Interconnected Servo Bracket

#### Specifications:

- Material - 2mm Hard Aluminium
- Surfacing - Sandblasting Oxidation
- Weight - 6g
- Color - Black
- Size - 35mmX30mm
- Shipping Weight - 10Kg
- Shipping Dimensions - 4 x 4 x 2 cm

### 24. Metal Horn for Servo

#### Specifications:

- 20T Micro Aluminium Horn
- AL6061 Material
- 10.74mm Length
- Length from Centre to the outer hole: 6.5mm
- Screw M2\*4mm x1
- Product Dimensions - 1.07 x 0.56 x 0.33 cm, 32g

### 25. U-shaped Aluminium Servo Bracket

#### Specifications:

- Power Source: DC
- RoHS Compliant
- Material: Aluminium
- Weight: 100g
- Colour - Black
- Surfacing - Sandblasting Oxidation
- Dimensions - 4cm,4cm

### 26. Multipurpose Aluminium Standard Servo Bracket

#### Specifications:



		<ul style="list-style-type: none"> <li>Material: 2mm Hard aluminium</li> <li>Surfacing: sandblasting oxidation</li> <li>Size: 58X37X25.5mm</li> <li>Weight: 15g</li> <li>Colour: Black or White</li> </ul>
		<b>27. Robot Feet Aluminium Servo Bracket</b>
		<b>Specifications:</b> <ul style="list-style-type: none"> <li>Material: 2mm Hard aluminium</li> <li>Surfacing: sandblasting oxidation</li> <li>Weight: 32g</li> <li>Colour – Black</li> </ul>
		<b>28. Long U-shaped Aluminium Servo Bracket</b>
		<b>Specifications:</b> <ul style="list-style-type: none"> <li>Material: 2mm Hard aluminium</li> <li>Surfacing: sandblasting oxidation</li> <li>Weight: 20g</li> <li>Colour – Black</li> </ul>
		<b>29. Long U Beam Aluminium Servo Bracket</b>
		<b>Specifications:</b> <ul style="list-style-type: none"> <li>Material: 2mm Hard aluminium</li> <li>Surfacing: sandblasting oxidation</li> <li>Weight: 20g</li> <li>Colour – Black</li> </ul>
		<b>30. 101ETN Compartment Box</b>
		<b>Specifications:</b> <ul style="list-style-type: none"> <li>External Height - 31mm</li> <li>External Width - 166mm</li> <li>External Depth - 112mm</li> <li>Box Material - PP (Polypropylene)</li> </ul>
		<b>31. 3C Storage Box</b>
		<b>Specifications:</b> <ul style="list-style-type: none"> <li>External Height - 160mm</li> <li>External Width - 180mm</li> <li>External Depth - 245mm</li> <li>Box Material - PP (Polypropylene)</li> </ul>
		<b>32. 50 mm mounting Screw</b>
		<b>Specifications:</b> <ul style="list-style-type: none"> <li>Screw Length - 50 mm</li> <li>Fastener Material - Steel</li> <li>Fastener Plating - Zinc</li> <li>Thread Size - 4.2 mm</li> <li>Screw Head Style - Pan Head Phillips</li> </ul>
		<b>33 - 35 mm mounting Screw</b>
		<b>Specifications:</b> <ul style="list-style-type: none"> <li>Screw Length - 35 mm</li> <li>Fastener Material - Steel</li> <li>Fastener Plating - Zinc</li> <li>Screw Head Style - Pan Head Phillips</li> </ul>
		<b>34 - 25 mm mounting Screw</b>
		<b>Specifications:</b> <ul style="list-style-type: none"> <li>Screw Length - 25 mm</li> <li>Fastener Plating - Zinc</li> <li>Thread Size - M5</li> <li>Fastener Material - Carbon steel</li> </ul>
		<b>35 - 10 mm mounting Screw</b>



**Specifications:**

- Screw Length - 10 mm
- Screw Head Style - Round type
- Diameter - 3.5 mm
- Fastener Plating - Zinc
- Fastener Material - Mild steel

**36. CAN-BUS Shield V2.0**

**Specifications:**

- Silicon Manufacturer - Microchip
- Core Sub-Architecture - ATmega AVR
- Silicon Family Name - ATmega
- Kit Contents - CAN-BUS Shield
- Core Architecture - ARM
- Silicon Core Number - MCP2515, MCP 2551
- For Use With - Arduino Board
- Product Range - TUG SGACK902S Keystone Coupler

**37. Mega 2560 A Tmega2560-16AU Bord plus USB Cable compatible with Arduino**

**Specifications:**

- Microcontroller: ATmega2560
- Operating Voltage: 5V
- Input Voltage (recommended): 7-12V
- Digital I/O Pins: 54 (of which 15 provide PWM output)
- Analog Input Pins: 16
- DC Current per I/O Pin: 20 mA
- DC Current for 3.3V Pin: 50 mA
- Flash Memory: 256 KB of which 8 KB used by bootloader
- SRAM: 8 KB ;
- EEPROM: 4 KB ;
- Clock Speed: 16 MHz

**38. Battery Charger 8S LiFePo4 - 29.2V 5A with XT60 Connector**

**Specifications:**

- Output Voltage - 29.2 V
- Output Current - 5 A
- Battery Cell Composition - 8S
- Connector - XT60 Connector
- Input Voltage (VAC) - 230
- Charging Current - 5 A
- Length - 156 mm
- Width - 100 mm
- Height - 60 mm

**39. 24V 6Ah LiFePO4 Battery with 1 year warranty**

**Specifications:**

- Voltage - 24V
- Capacity - 6 Ah
- Warranty - 1 year
- Size - 72 X 160 X 80 mm
- Weight - 1400 gm
- Charging Time - 2 Hours
- Nominal Pack Voltage - 24V
- Colour - Black

**40. EasyMech 1000mm 20X20 4 T Aluminium Extrusion Profile (silver)**

**Specifications:**

- Length - 1000 mm
- Profile Size - 20x20



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		<ul style="list-style-type: none"><li>• T-Slot</li><li>• Color</li><li>• Material</li><li>• Weight</li></ul>	<ul style="list-style-type: none"><li>- 4T</li><li>- Silver</li><li>- Aluminium Alloy 6063</li><li>- 478 gm</li></ul>	
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**Annexure- II**

**PRICE BID FORMAT FOR BIDDERS**

**Quotation Ref No. & Date: NITT/F.No:007/REVEX(OH-31)/2025-26/ICE**

**Bidder's Offer No. & Date:**

S.No.	Description of items	Unit (Set / No)	Qty	Rate / Qty in Rs. (excluding GST)	GST in Rs.			Total Value + GST (Rs)
					SGST	CGST	IGST	
1.	<b>Consumables for Control Systems Laboratory and Robotics Laboratory</b>  <b>Make:</b>  <b>Model:</b>	Nos	As per Annexure-I					
2.	Other accessories / spares etc. as given in scope of supply (Individual item-wise break-up price shall be attached as an annexure to this price bid format.)							
3.	Installation and Commissioning							
4.	Packing & Forwarding charges (extra, if any)							
5.	Freight & Transit insurance charges (extra, if any)							
6.	Total price							
7.	Value of Annual Maintenance Contract							
8.	<b>Net cost to be paid by NIT-T</b>							

**Signature & Seal of Vendor**

**Note:**

The price quoted should be in Typed format only as per the above form. Hand written quotes will be rejected. No row shall be left blank, Kindly mention NA in case the item is "Not Applicable". If this format is not used or any column is left blank, then the bid will be rejected. AMC Value will not consider for arriving L1 bidder.





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**Annexure-III**

**EMD Returning Form**

To,

The Director  
National Institute of Technology,  
Tiruchirappalli – 620 015

**Sub: Returning EMD amount**

Sir / Madam,

Our firm has participated in the tender / quotation enquiry No mentioned below and produced the EMD amount through SBI collect, details are given below.

<b>Tender / Quotation Reference No</b>	
<b>EMD amount</b>	
<b>Transaction Number</b>	
<b>Transaction Date</b>	

It is requested to return the EMD amount to our firm after completion of the purchase to the below mentioned Bank account.

<b>Account Name</b>	
<b>Bank Account Number</b>	
<b>IFSC code</b>	
<b>Bank</b>	

**Signature with Seal and Date**



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**Annexure-IV**

**(TO BE PRINTED IN LETTER PAD OF THE FIRM)**

**MANDATE FORM FOR ELECTRONIC FUND TRANSFER/RTGS TRANSFER**

**Date:**

The Director,  
National Institute of Technology,  
Tiruchirappalli – 620 015,  
Tamil Nadu

<b>Sub :</b>	<b>Authorization for release of payment / dues from National Institute of Technology, Tiruchirappalli through Electronic Fund Transfer/RTGS Transfer.</b>
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1. Name of the Party / Firm / Company / Institute :
2. Address of the Party :
3. City \_\_\_\_\_ Pin Code \_\_\_\_\_
4. E-Mail \_\_\_\_\_ Mobile No: \_\_\_\_\_
5. Permanent Account Number \_\_\_\_\_
6. Particulars of Bank:

<b>Bank Name:</b>		<b>Branch Name:</b>	
<b>PIN Code:</b>		<b>Branch Code:</b>	
<b>IFS Code:(11 digit alpha numeric code)</b>			
<b>Account Type</b>	<b>Savings</b>	<b>Current</b>	<b>Cash Credit</b>
<b>Account Number:</b>			

**DECLARATION**

I hereby declare that the particulars given above are correct and complete. If any transaction delayed and not effected for reasons of incomplete or incorrect information I shall not hold Director, National Institute of Technology Tiruchirappalli responsible. I also undertake to advise any change in the particulars of my account to facilitate updating of records for purpose of credit of amount through NEFT/RTGS Transfer.

**Place:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Signature & Seal of the Authorized Signatory of the Party**