

**eNotice Inviting Tender (NIT)**

NIT No.: ICAT/T/Maint-1/WCEK/2023-24/149  
Manesar, 28<sup>th</sup> December’ 2023

The Director, International Centre for Automotive Technology (ICAT), a division of National Automotive Board (NAB), Govt. of India, hereby invites sealed techno-commercial bid for “Supply of Watlow Controller F4T and Eurotherm Keypad Installed in CTL Environmental Chamber at ICAT Centre – 1, Manesar (Haryana)” as per following details:

**Tender Activity Schedule**

<b>Scope of Supply</b>	<b>Watlow Controller and Eurotherm Keypad</b>
<b>Product Specifications</b>	<p>As Per Annexure – A</p> <ul style="list-style-type: none"> <li>• <b>Important:</b> <ul style="list-style-type: none"> <li>➤ Bidder must visit on site to see the equipment for better submission of spares offer.</li> <li>➤ All the mentioned spares in Annexure-A must be compatible to Environmental Chamber.</li> </ul> </li> </ul>
<b>Eligibility Criteria</b>	<p><b>Minimum Eligibility Criteria: The bidder whose bid meet the following eligibility criteria would only be considered.</b></p> <ul style="list-style-type: none"> <li>• <b>Legally Valid Entity:</b> The bidder shall necessarily be a legally valid entity either in the form of proprietary firm, partnership firm, private limited company. A proof for supporting the legal validity of the bidder shall be submitted. If the bidder fails to submit the authenticated documents in support of his/their credentials as specified in tender documents, his/their tender will liable to be rejected summarily.</li> <li>• The bidder should be an original equipment manufacturer (OEM) or authorized dealer/authorized distributor/authorized supplier of an original equipment manufacturer (OEM) of the tendered items. Authorization letter must be issued on the official letter head of the OEM.</li> <li>• Should meet the requirement of specified specifications at <b>Annexure-A</b>.</li> <li>• Should submit the bid duly stamped and signed.</li> </ul>
<b>Evaluation Criteria</b>	<p>It is mandatory for the bidder to fulfill the minimum eligibility criteria for being considered for technical evaluation. Eligible bidders shall be technically evaluated for specifications mentioned. In the event the bidder does not comply with any of the technical specification, he will stand disqualified unless he proposes a positive deviation with justification. It is purely up to ICAT whether to consider the deviation proposed by the bidder or not. Bidders who meet our technical requirements will be moved forward for financial evaluation. The order would be awarded to the L1 bidder among the technically qualified bidders.</p>
<b>Payment Terms</b>	100% Payment after delivery of defect free material and invoice submission along with valid E-way bill (Part A & B) at ICAT site.
<b>Delivery Period</b>	Within 180 days from PO release date.

<b>Delivery Terms</b>	FOR Up to ICAT Site - 1 (Inclusive of Packing, Forwarding, Loading, Insurance, Transportation and Unloading of Material at ICAT Site).
<b>Price Validity</b>	365 days from the last date of bids submission.
<b>Warranty/ Guarantee Period</b>	Minimum 12 months warranty/guarantee against any manufacturing defect. Free of cost replacement against any manufacturing defect if noted during warranty period (as per OEM standard warranty policy).
<b>Liquidity Damages (LD)</b>	In the event of any delay on part of the Supplier/Contractor to achieve completion of the Works within the time lines as specified in the Purchase Order / Works Order the Supplier/Contractor shall be liable to pay to ICAT a sum equal to 0.5% of the Contract Price for every week of delay, or part thereof, subject to the maximum of 10% of the Contract Price, for such default as liquidated damages, which the Supplier/Contractor agrees is not a penalty but a genuine pre-estimate of loss and damage likely to be suffered and incurred by ICAT for every day, or part thereof, that such delay subsists till the date of actual completion. ICAT may, without prejudice to any other method of recovery, deduct the amount of such damages from any monies due or to become due to the Supplier/Contractor.
<b>Delivery / Billing Address</b>	International Centre For Automotive Technology (Centre – 1), Plot No. 26, Sector – 3, Near HSIIDC, IMT Manesar, Gurgaon 122050. <b>GST No.: 06AABAN9435G2ZI</b>
<b>Last Date of Submission of Sealed Techno-Commercial Bid</b>	<b>Up to 17:00 Hrs. on 17<sup>th</sup> January’2024, at ICAT Centre-1, Manesar, Gurgaon, India.</b>
<p>Bidders to comply with Rule 144 (xi) of GFR 2017 (refer Office Memorandum of Department of Expenditure dated 23<sup>rd</sup> July 2020 <a href="https://doe.gov.in/sites/default/files/OM%20dated%2023.07.2020.pdf">https://doe.gov.in/sites/default/files/OM%20dated%2023.07.2020.pdf</a>)</p> <p><b>Preference to Make in India:</b> As per the revised order issued by Department of Industrial Policy and Promotion (DIPP) vide No. P-45021/2/2017-PP (BE-II) dated 04.06.2020. The purchaser reserves the right to give preference to the local supplier. <a href="https://dpiit.gov.in/sites/default/files/PPP%20MII%20Order%20dated%204th%20June%202020.pdf">https://dpiit.gov.in/sites/default/files/PPP%20MII%20Order%20dated%204th%20June%202020.pdf</a></p>	
<p>Sealed envelope should be marked with <b>“Supply of Watlow Controller F4T and Eurotherm Keypad Installed in CTL Environmental Chamber at ICAT Centre – 1, Manesar (Haryana)”</b>.</p> <p>Interested suppliers/service providers who meet our requirements should submit no regret techno-commercial proposal along with product catalogue in a <b><u>sealed envelope latest by 17<sup>th</sup> January’2024 by 17:00 Hrs. at below given address.</u></b></p> <p><b>To, The Purchase Department, International Centre For Automotive Technology Plot N. 26, Sector-3, HSIIDC, IMT Manesar Gurgaon 122050 (Haryana) Contact No. +91-124-4586356</b></p> <p><b>Note: ICAT reserves the right to reject/modify/cancel the tender without assigning any reason thereof.</b></p>	

**Annexure-A**

**Supply of Watlow Controller F4T and Eurotherm Keypad Installed in CTL Environmental Chamber at ICAT Centre – 1, Manesar (Harvana)**

**Machine/ Environmental Chamber Details:**

Size: 1 x 1 x 1 m  
 Temperature: -60 to 200 Deg C.  
 Temperature accuracy: + - 1 Deg C  
 Humidity range: 20% to 98% in temp range of 30 to 80 Deg C.  
 Humidity accuracy: + + 2% RH  
 Ramp rate: 4 Deg C/min

**Technical Specifications:**

S. No.	Item Description	Unit	Quantity
1	<p><b><u>Watlow Controller F4T:</u></b></p> <p><b><u>Technical Specifications:</u></b></p> <p><b>Make:</b> Watlow  <b>Model:</b> F4T (F4T1A1AAA1A5AAA) Screen Size: 4.3”  <b>Screen Type:</b> Color Touch Screen with High Resolution, Graphical user interface  <b>LED back life:</b> min 50,000 Hours  <b>Input:</b> Universal  <b>Input Type:</b> RTD 2/3 wire, Thermocouple (type J,K,T, E,N,C,D, F,R,S,B), mA, mV, Thermistor  <b>Process Range:</b> -1999 to 9999  <b>Control Output:</b> PID or ON-OFF Control Method: Heat/Cool, Heat Only Output Type: Switched DC  <b>No. of Analog Input:</b> 02 <b>Input/Output Type:</b> Modular Design  <b>Input handling capacity:</b> 24 Nos. Analog  <b>Control Loop:</b> Two with TRU-TUNE + adaptive (should have capability to upgrade upto 4 Loop)  <b>PID Set:</b> minimum 5 Nos. PID Sets  <b>Profile:</b> 40 Profile (40 Program x 50 Segment)  <b>No. of key:</b> Four (Home, Main Menu, Back, Help)            Screen should be auto customization as the loop and Input-output selection.  <b>Input/Output Sample Rate:</b> 10 Hz  <b>Control Loop Sample Rate:</b> 10 Hz  <b>Calibration Accuracy:</b> Calibration accuracy and sensor conformity: +0.1% of span, +1°C at the calibrated ambient temperature and rated line voltage  <b>Agency Approvals:</b> UL, CE, CSA, ROHS, FM Class 3545, AMS2750E Compliance  <b>Wiring Terminals:</b> Touch safe, removable, Right angle &amp; front screw, 12 to 30AWG for Input,Output &amp; Power.  <b>Alarm:</b> 06 Nos. Soft Alarm Provided which will be display on Screen  <b>Linearization Value:</b> 04 Nos. Provided  <b>Process Value Bock:</b> Sensor backup, average, crossover, wet bulb-dry bulb, switch over, differential (subtract), ratio (divide), add, multiply, absolute difference, minimum, maximum, square root, altitude, Vaisala° relative humidity and pressure-to-altitude  <b>Variables:</b> 04 Nos. User Value for digital or Analog variable  <b>Supply:</b> 100 to 240VAC +10/-15%, 50/60 Hz +/- 5%  <b>Environmental:</b> NEMA 4X/IP65 front panel mount configuration only Operating Temperature: -18 to 50 degree C  <b>Storage Temperature:</b> -40 to 85 degree C  <b>Relative Humidity:</b> 0 to 90% non-Condensing  <b>USB Port:</b> 2 Nos High speed USB host Port configurable typeDimension: 96x96 mm  <b>Communication:</b> Ethernet (Modbus TCP)Configuration PC Software: Provided  <b>Warranty:</b> 12 Months Minimum  <b>Installation of controller in chamber:</b> In Supplier Scope</p>	No.	01
2	<p><b>Keypad (Bezel) of Eurotherm Controller</b>  <b>Part Code: SUB27/BEZ2704</b></p>		01 No.

**Important:**

- Bidder must visit on site to see the equipment for better submission of spares offer.
- All the mentioned spares in Annexure-A must be compatible to Environmental Chamber.

**For any technical queries please feel free to contact:**

**Contact Person: Mr. Vidyasagar**  
**Department: Maintenance**  
**Contact No.: 9587484362**  
**Mail ID: vidyasagar@icat.in**

**ICAT Terms & Conditions:**

**Payment:** 100% Payment after delivery of defect free material and invoice submission along with valid E-way bill (Part A & B) at ICAT site.

**Warranty/Guarantee Terms:** Minimum 12 months warranty/guarantee against any manufacturing defect. Free of cost replacement against any manufacturing defect if noted during warranty period (as per OEM standard warranty policy).

**Delivery Period:** Within 180 days from PO release date.

**Liquidity Damages:** In the event of any delay on part of the supplier/contractor to achieve completion of the works within the time lines as specified in the purchase order / works order the supplier/contractor shall be liable to pay to ICAT a sum equal to 0.5% of the contract price for every week of delay, or part thereof, subject to the maximum of 10% of the contract price, for such default as liquidated damages, which the supplier/contractor agrees is not a penalty but a genuine pre-estimate of loss and damage likely to be suffered and incurred by ICAT for every day, or part thereof, that such delay subsists till the date of actual completion. ICAT may, without prejudice to any other method of recovery, deduct the amount of such damages from any monies due or to become due to the supplier/contractor.

**Qualification Criteria:** The bidder whose bid meets the technical specification given above at Annexure-A would only be considered (As per Conditions Mentioned in Evaluation Criteria).

**Delivery Terms:** FOR Up to ICAT Site - 1 (Inclusive of Packing, Forwarding, Loading, Insurance, Transportation and Unloading of Material at ICAT Site).

**Financial Bid: Supply of Watlow Controller F4T and Eurotherm Keypad Installed in CTL  
Environmental Chamber at ICAT Centre – 1, Manesar (Haryana)**

S. No.	Item Description	Unit	Quantity	Unit Rate (INR)	Amount (INR)
1	<p><b>Watlow Controller F4T:</b></p> <p><b>Technical Specifications:</b></p> <p><b>Make:</b> Watlow  <b>Model:</b> F4T (F4T1A1AAA1A5AAA) Screen Size: 4.3”  <b>Screen Type:</b> Color Touch Screen with High Resolution, Graphical user interface  <b>LED back life:</b> min 50,000 Hours  <b>Input:</b> Universal  <b>Input Type:</b> RTD 2/3 wire, Thermocouple (type J,K,T,E,N,C,D,F,R,S,B), mA, mV, Thermistor  <b>Process Range:</b> -1999 to 9999  <b>Control Output:</b> PID or ON-OFF Control Method: Heat/Cool, Heat Only  Output Type: Switched DC  <b>No. of Analog Input:</b> 02 <b>Input/Output Type:</b> Modular Design  <b>Input handling capacity:</b> 24 Nos. Analog  <b>Control Loop:</b> Two with TRU-TUNE + adaptive (should have capability to upgrade upto 4 Loop)  <b>PID Set:</b> minimum 5 Nos. PID Sets  <b>Profile:</b> 40 Profile (40 Program x 50 Segment)  <b>No. of key:</b> Four (Home, Main Menu, Back, Help)  Screen should be auto customization as the loop and Input-output selection.  <b>Input/Output Sample Rate:</b> 10 Hz  <b>Control Loop Sample Rate:</b> 10 Hz  <b>Calibration Accuracy:</b> Calibration accuracy and sensor conformity: +0.1% of span, +1°C at the calibrated ambient temperature and rated line voltage  <b>Agency Approvals:</b> UL, CE, CSA, ROHS, FM Class 3545, AMS2750E Compliance  <b>Wiring Terminals:</b> Touch safe, removable, Right angle &amp; front screw, 12 to 30AWG for Input,Output &amp; Power.  <b>Alarm:</b> 06 Nos. Soft Alarm Provided which will be display on Screen  <b>Linearization Value:</b> 04 Nos. Provided  <b>Process Value Bock:</b> Sensor backup, average, crossover, wet bulb-dry bulb, switch over, differential (subtract), ratio (divide), add, multiply, absolute difference, minimum, maximum, square root, altitude, Vaisala° relative humidity and pressure-to-altitude  <b>Variables:</b> 04 Nos. User Value for digital or Analog variable  <b>Supply:</b> 100 to 240VAC +10/-15%, 50/60 Hz +/- 5%  <b>Environmental:</b> NEMA 4X/IP65 front panel mount configuration only  Operating Temperature: -18 to 50 degree C  <b>Storage Temperature:</b> -40 to 85 degree C  <b>Relative Humidity:</b> 0 to 90% non-Condensing  <b>USB Port:</b> 2 Nos High speed USB host Port configurable typeDimension: 96x96 mm  <b>Communication:</b> Ethernet (Modbus TCP) Configuration PC Software: Provided  <b>Warranty:</b> 12 Months Minimum  <b>Installation of controller in chamber:</b> In Supplier Scope</p>	Nos.	01		
2	<p><b>Keypad (Bezel) of Eurotherm Controller</b>  <b>Part Code: SUB27/BEZ2704</b></p>	Nos.	01		
3	<p><b>Freight Charges (Inclusive of Packing, Forwarding, Transportation and Insurance Up to ICAT Site)</b></p>	L/S	01		
<b>Total Value in INR</b>					
<b>GST%</b>					
<b>Total Value Inclusive of Freight and GST in (INR)</b>					

**For Submission of Bids:**

- **Sealed techno commercial bid to be submitted with duly filled, signed and stamped tender document along with all forms and Annexure – A & B as per following guidelines:**
  - All tenders to be dropped in a tender box which is placed at reception subsequent to the entry by reception in the tender register or by the security at main gate (after office hours).
  - Bids shall be properly sealed. The top of the outer envelope should include the tender reference no., description of tender, bidders name and complete contact details of the bidder.
  - Bids which are not properly sealed or bids that do not follow the above instructions will not be accepted.
- All transportation, accommodation and food expenses shall be borne by the bidder.
- ICAT reserve the right to reject any or all the tenders in part or full without assigning any reason thereof.
- The ICAT also reserves the right to negotiate the rates and terms & conditions with any or all the bidders at its sole discretion as deemed fit without assigning any reasons thereof.
- The comparison of the bids shall be on the basis of total price (inclusive of all, taxes etc.) quoted by the bidder. No comparison of individual item will be made. The individual item charge is only for reference purpose of this office.
- **Liquidity Damages/Penalty for Delay:** The work shall be completed strictly as per time limits specified in the work contract/agreement failure to complete the work within the stipulated time will make you liable to an unconditional as mentioned above in Liquidity Damages clause.
- **Proposal/Price Validity Period:** Bids validity should be of at least 365 days from the last date of bid submission. Any bid having validity lower than that specified above shall be rejected by ICAT as being nonresponsive. However, ICAT may request the bidders to extend the bid unconditionally beyond the bid validity period up to an additional period of ninety (90) days without any modification and without giving any reason thereof. Conditional extension of bid validity shall not be accepted and ICAT reserves right to reject such bid/s and proceed with the bidding process with the remaining bidders.
- **Billing:** All bills and accompanying documents should be raised and submitted in original as per the payment terms and should be accompanied by original copies of duly receipted/certified delivery challan/work progress or completion certificate as applicable. No payment shall be released against any duplicate bills, work progress report or completion certificate or delivery challan. All applicable taxes such as GST, service tax, and works contract tax shall be mentioned separately in the invoice.
- **Payment Release:** Payment shall be against bill checked & approved by engineer-in-charge after satisfactory completion of work/delivery of material.

**International Centre for Automotive Technology (ICAT)**

Plot No. - 26, Sector-3, HSIIDC, IMT Manesar, Gurgaon-122050, Haryana, India  
Phone: +91-124-4586-111, FAX: +91-124-2290005, Email: purchase@icat.in,  
Website www.icat.in

**Form I**

**Checklist (Information/Documents to be submitted along with the Bid)**

1	Name of the Bidder	
2	Address of the Bidder	
3	Contact Details of the Bidder	
	Telephone No. With STD Code	
	Fax No.	
	Moble No.	
	E-mail ID	
	Website, if any	
4	Name of Proprietor/Partners/Directors of Firm/Agency	
5	Bidder Bank Details:	
	Name of Account Holder	
	Complete A/c No. (Current/Savings)	
	Name of Bank	
	Name of the Branch with Complete Address	
	IFS Code of the Branch	
	9 Digit MICR Code of the Branch	
6	Registration and Incorporation Particulars of the bidder indicating legal status such as Company, partnership/proprietorship concern, etc (Please attached copies of the relevant documents/certificates)	
7	GST Registration Details	
8	Copies of Permanent Income Tax Number (PAN)/Income Tax Circle	
9	Copies of Income Tax Returns Filed for the Last Three Financial Years should be attached	
10	Annual Turnover for the Last Three Years (Audited A/c Statements such as Profit & Loss A/c, Balance Sheets, etc for the last three financial years should be attached)	
11	Proof of experience in supplying to State/Government Departments/PSUs/Autonomous Bodies/Reputed Private Institutions (copies of Purchase Orders received from Central/State Departments/Ministries of the Government of India/PSUs/Autonomous Bodies/Reputed Private Institutions during the last there years should be enclosed).	
12	Declaration regarding blacklisting or otherwise by the government departments as given in Form II	
13	Tender duly signed and stamped as proof of having read the contents therein and in acceptance thereof should be enclosed	
14	Any other information document: Please specify	
15	Original copy of authorization from manufacturer against this tender valid throughout the contract period, in case the firm is not a manufacturer of the item.	

**Form II**

**(Format of Undertaking to be Furnished in Company Letter Head with Regard to Blacklisting /  
Non-Debarment by the Organization)**

**Undertaking Regarding Blacklisting / Non-Debrment**

To,

Director ICAT,  
International Centre For Automotive Technology  
Plot No. 26, Sector – 3, Near HSIIDC Office  
IMT Manesar, Gurgaon - 122051 (Haryana – India)

We here by confirm and declare that we, M/s----- is not blacklisted/De-registered/debarred by any Government department/ Public Sector Undertaking/ Private Sector/ or any other agency for which we have executed/undertaken the works/services during the last 3 Years.

For.....

Authorized Signatory

Date:



**Bidder / Vendor Information Form**

Name of the Vendor	
Nature of Business (Product/Services)	
Company Status (Prop./Partner/Pvt Ltd/PSU/Govt)	
Building/Address I	
Street/Address II	
Area/Address II	
City	
Postal Code	
Country	
Telephone Numbers	
Fax Numbers	
Email Address	
Contact Person	
Contact Person Contact Details (Mobile/Email Address)	
PAN No. (Company)	
GST Registration No.	
Vendor Bank A/C No.	
Name of the Bank	
Bank Address	
Branch Code	
FSC Code	

**Declaration Form on Bidders Letter Head**



**To: Vendor Master updating Team**

**Vendor name** \_\_\_\_\_

**Email:** \_\_\_\_\_

**GST No.:** \_\_\_\_\_

I/We.....(Name of the firm in block letters) having PAN Number ....., solemnly declare that I/We am/are a registered person under the Central Goods and Services Tax Act, 2017 (CGST Act).

To the best of my/our knowledge and belief, I/We hereby declare the “aggregate turnover” as per sub-section (6) of section (2) of CGST Act (Sale of taxable goods + services + exempt supply + export) is as under:

<b>S. No</b>	<b>Turnover for Financial Year</b>	<b>INR In Lakhs</b>
1.	FY 2020-21	
2.	FY 2021-22	
3.	FY 2022-23	

Authorized Signatory with Stamp

Date:

Place:

Name	
Mobile Number	
E-mail ID of the authorized signatory	
E-mail ID for Input Tax Credit reconciliation queries (Your accounts receivable/finance department)	

Dated:

**To whomsoever, it may concern.**

We M/s. .... having PAN ..... and GSTIN Registration Number ..... hereby undertake that our Aggregate Turnover (as per Section 2(6) of Central Goods and Services Tax Act, 2017) for FY 2022-23 does not exceed the prescribed threshold (as on the date of this declaration) for generation a Unique Invoice Registration Number (IRN) and QR code as per the provisions of Central Goods and Services Tax Act, 2017 and rules there under (“GST Law”).

Further, we also undertake that if the aggregate turnover of M/s. .... exceeds the current threshold or revised threshold notified by Government of India at any future date, then we shall issue invoice and credit note in compliance with the required provisions of GST Law.

In case of any queries from any State or Centre Goods and Services Tax Authorities, M/s. .... will be solely responsible.

Yours Truly,  
For M/s.....

Authorized Signatory

Name:  
Designation:

**Form – V**

The Bidder is requested to provide the following declarations on their letter duly signed and stamped.

\* 1. Declaration regarding Make in India

In line with Government Public Procurement Order No. \_\_\_\_\_ dtd. \_\_\_\_\_, we hereby certify that we M/s \_\_\_\_\_ (supplier name) are local supplier meeting the requirement of minimum local content (\_\_\_\_\_% ) as defined in above orders against Tender/Enquiry No. \_\_\_\_\_

Details of location at which local value addition will be made is as follows:

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\* 2. Declaration regarding compliance of Rule 144 (xi) of GFR 2017

“I/We have read the clause regarding restrictions on procurement/sub-contracting from an entity/natural person/agent/consortium/Joint venture having beneficial ownership in countries which share land border with India. I/We certify that neither we are not from such a country nor having any beneficial ownership from such a country. If I/We from such a country or having beneficial ownership are registered with the competent authority. I/We hereby certify that we fulfill all requirements in this regard and are eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]”

Authorized Signatory

\* We also understand, false declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules and would be a ground for immediate termination and further legal action in accordance with law.