

eNOTICE INVITING TENDER (NIT)

NIT No.: ICAT/LT/EMC/CS/2022-23/4
Manesar, 13th April 2022

The Director, International Centre for Automotive Technology (ICAT), a division of NATRIP Implementation Society (NATIS), Govt. of India, hereby invites sealed bid for “**Calibration of EMC Lab Equipment’s**” at ICAT Manesar as per following details:

Tender Activity Schedule

Product Requirement	Calibration of EMC Lab Equipment’s (As per list enclosed below “Annexure A”)
Equipment Detail	As per list enclosed “Annexure A”
Eligibility Criteria	<p><u>Minimum Eligibility Criteria:</u></p> <ul style="list-style-type: none"> • Laboratory should be ISO/IEC 17025 Accredited (Certificate to be provided along with sealed bid). • Bidder should have in-house capability to do calibration, although only 25% instruments can be outsourced to any other associates having ISO/IEC 17025 accreditation. • CMC (Calibration Measurement Capability) should be provided along with bid. • Service provider should have minimum 3 years of experience in the field of “Calibration of different type of instruments within the various defined NABL Calibration disciplines”.
Payment Terms	100% Payment against submission of Invoice.
Calibration ARC Period	12 Months from the date of Contract
Delivery Terms	FOR Up to ICAT Site – 2
Delivery/Billing Address	International Centre For Automotive Technology (Centre – 1), Plot No. 26, Sector – 3, Near HSIIDC, IMT Manesar, Gurgaon 122050 GST No. 06AAATN7662F1ZI
Last Date of submission of Sealed Techno-Commercial Bid	Up to 1700 Hrs. on 26th April’ 2022, at ICAT Centre – 1, Manesar, Gurgaon, India.

- Bidders to comply with Rule 144 (xi) of GFR 2017 (refer Office Memorandum of Department of Expenditure dated 23rd July 2020
<https://doe.gov.in/sites/default/files/OM%20dated%2023.07.2020.pdf>
- **Preference to Make in India:** 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.
<https://dpiit.gov.in/sites/default/files/PPP%20MII%20Order%20dated%204th%20June%202020.pdf>

Sealed Envelope should be marked with “**Calibration of EMC Lab Equipment's**”

Interested suppliers/service providers who meet our requirements should submit no regret techno commercial proposal along with product catalogue in a **sealed envelope latest by 26th April' 2022 by 17:00 Hrs.** at below given address

**To,
The Purchase Department,
International Centre For Automotive Technology
Plot N. 26, Sector-3, HSIIDC, IMT Manesar
Gurgaon 122050 (Haryana)
Contact No. +91 9971150821**

Note: ICAT reserves the right to reject/modify/cancel the tender without assigning any reason thereof.

Annexure A

Proposal Invited for “Calibration of Instruments in FY 2022-23 at EMC Lab, ICAT Centre – 2, Manesar (Haryana)”

International Centre for Automotive Technology is pleased to invite you for **“Calibration of Instruments for FY 2022-23 at EMC Lab, ICAT Centre –2, Manesar (Haryana) as per Attached Annexure-A”**. You are requested to submit your proposal **via Sealed Quote** for the same latest by **26th April’ 2022 by 17:00 Hrs.**

1. Eligibility Criteria:

- Laboratory should be **ISO/IEC 17025 Accredited (Certificate to be provided along with sealed bid)**.
- Bidder should have in-house capability to do calibration, although only 25% instruments can be outsourced to any other associates having **ISO/IEC 17025 accreditation**.
- CMC (Calibration Measurement Capability) should be provided along with bid.
- Service provider should have minimum **3** years of experience in the field of **“Calibration of different type of instruments within the various defined NABL Calibration disciplines”**.

Note:

- 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.
- Tender form is not transferable.

2. General Terms & Conditions:

- **Sealed bid to be submitted** with filling the **Attached “Annexure – A & B”** after duly filled and signed on Letter head.
- **Work Location: ICAT Centre – 2, Manesar**
- **All Transportation, Accommodation and Fooding Expenses shall be borne by the bidder.**
- **Payment shall be made only after the submission and acceptance of valid calibration certificate with NABL Logo containing the details of master calibrating instrument as well.**
- **Rates for calibration of instrument shall be quoted inclusive of site charges and expenses to take instrument from ICAT safely without any damage.**
- **It is responsibility of bidder to take the instrument safely from ICAT to calibration laboratory and bringing it back to ICAT safely without any damage. In case of any damage to instrument during transit, suitable penalty/deductions will be imposed as deemed fit.**
- **The work shall be executed as per NABL Norms.**
- **Instruments would be available for calibration on monthly basis as per ICAT Internal Calibration plan.**
- **ICAT reserve the right to reject any or all the tenders in part of 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 job order shall be placed on single bidder for complete job work S.No. (1) to (20) of Annexure “A” the basis of lowest consolidated values.**

- **The comparison of the bids shall be on 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 calibration & certification 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 penalty of ½% (Half Percent) of the value of work per week subjected to a maximum of 10% (Ten Percent) of the work contract.**
3. **Proposal Validity Period:** Bids validity should be of at least **12 Months** from the last date of submission of Bids. 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.
 4. **Scope of Services:** As per the attached **List of Instruments (See Annexure-A)**.
 5. **Billing Address: International Centre for Automotive Technology, Plot No. 26, Sector - 3, HSIIDC, IMT Manesar, Gurugram 122050, GST No. 06AAATN7662F1ZI.**
 6. **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, Works Contract Tax shall be mentioned separately in the invoice.

Annexure – A

List of Instruments for Calibration in FY 2022-23 at EMC Lab, ICAT Centre-2, Manesar (Gurgaon)

S. No.	Name of the Test	Equipment Name	Model	Range	Certificate to be provided with NABL Symbol Yes/No	Accredited CMC	Lab(L)/ Site(S)	Outsource (Yes/No)
1	Harmonic, Flicker, Ripple DC I/P power port, Voltage fluctuation immunity test	Impedance Network	INP753	Current 75, Peak current 225 & short term rated current (1 minute) 100 and voltage rating 430, Peak to peak 679 and short term rated (1minute)480				
2	Conducted Transient Emissions Test	Single line artificial network	AN200N100	Maximum operating voltage=60V, maximum operating current=100 A continuous , switching time=300ns± 20%				
3	Bulk Current Injection Test	BCI Calibration Fixtures	FCC-BCICF-2	10kHz - 1GHz				
4	Bulk Current Injection Test	BCI Calibration Fixtures	FCC-BCICF-4	10kHz-400MHz				
5	Conducted Emissions - Automotive	Current Monitoring Probes	F-52	10Khz - 500 Mhz				
6	Common Equipments for Testing	LISN	NNBM8124	0.1 to150MHz				
7	Common Equipments for Testing	LISN	NNBM8124	0.1 to150MHz				

8	Common Equipments for Testing	LISN	NNBM8124	0.1 to 150MHz				
9	Common Equipments for Testing	LISN	NNBM8124	0.1 to 150MHz				
10	Common Equipments for Testing	Signal Generator	N5183A-520	100KHz - 20GHz				
11	Common Equipments for Testing	Signal Generator	N5173B	9KHz-20GHz				
12	Common Equipments for Testing	RF Power Meter	N1912A	9kHz - 110GHz Power range -70 dBm to +44 dBm (100 pW to 25 W), sensor dependent				
13	Common Equipments for Testing	RF Power Meter	PM2003	10KHz-40GHz Power Range-70dBm to +44dBm				
14	Common Equipments for Testing	Test load 50 ohm	KW 50	Measuring voltage=10V, resulting attenuation (theoretical)= 100:1				
15	Common Equipments for Testing	Test load 50 ohm	KW 50	Measuring voltage=10V, resulting attenuation (theoretical)= 100:1				
16	Common Equipments for Testing	PVF 50	PVF 50	50R-100:1				
17	Common Equipments for Testing	PVF 1000	PVF 1000	1000R-500:1				
18	Conducted Immunity - Automotive	Capacitive coupling clamp	CCI	as per IEC 61000-4-4				

19	Conducted Immunity - Automotive	Capacitive coupling clamp	ACC	as per IEC 61000-4-4				
20	Harmonic, Flicker, Ripple DC I/P power port, Voltage fluctuation immunity test	Impedance Network	INP753	Current 75, Peak current 225 & short term rated current (1 minute) 100 and voltage rating 430, Peak to peak 679 and short term rated (1minute)480				

*** In case of any technical query, please feel free to contact:**

Contact Person: **Ms. Supriya - EMC Dept.**

Contact No. : **+91-9818208879**

Email ID: supriya@icat.in



Annexure – B
Financial Bid – Calibration of Instruments FY 2022-23 at EMC Lab, ICAT Centre-2

Sr. No.	Name of the Test	Equipment Name	Unit Rate (INR)	Total Value (INR)
1	Harmonic, Flicker, Ripple DC I/P power port, Voltage fluctuation immunity test	Impedance Network		
2	Conducted Transient Emissions Test	Single line artificial network		
3	Bulk Current Injection Test	BCI Calibration Fixtures		
4	Bulk Current Injection Test	BCI Calibration Fixtures		
5	Conducted Emissions - Automotive	Current Monitoring Probes		
6	Common Equipment's for Testing	LISN		
7	Common Equipment's for Testing	LISN		
8	Common Equipment's for Testing	LISN		
9	Common Equipment's for Testing	LISN		
10	Common Equipment's for Testing	Signal Generator		
11	Common Equipment's for Testing	Signal Generator		
12	Common Equipment's for Testing	RF Power Meter		
13	Common Equipment's for Testing	RF Power Meter		
14	Common Equipment's for Testing	Test load 50 ohm		
15	Common Equipment's for Testing	Test load 50 ohm		
16	Common Equipment's for Testing	PVF 50		
17	Common Equipment's for Testing	PVF 1000		
18	Conducted Immunity-Automotive	Capacitive coupling clamp		
19	Conducted Immunity-Automotive	Capacitive coupling clamp		
20	Harmonic, Flicker, Ripple DC I/P power port, Voltage fluctuation immunity test	Impedance Network		
Total Value (INR)				
GST@18%				
Grand Total Inclusive GST (INR)				

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