



CSIR-NML

सीएसआईआर - राष्ट्रीय धातुकर्म प्रयोगशाला

(सीएसआईआर की एक संघटक प्रयोगशाला, विज्ञान एवं प्रौद्योगिकी मंत्रालय)
भारत सरकार, बर्मामिन्स, जमशेदपुर - 831007, झारखंड (भारत)

CSIR-National Metallurgical Laboratory

(A Constituent Laboratory of CSIR, Ministry of Science & Technology)
Govt. of India, Burmahines, Jamshedpur - 831 007, Jharkhand (India)

PURCHASE ORDER

M/s. NANOMAGNETICS INSTRUMENTS LTD. Address - Suite 290, 266 Banbury Road Oxford OX2 7DL U.K.	P.O. No.	PUR/135/PKM/DB/EQM/2025-26
	Date	05-08-2026
	Subject	Purchase Order
Through <u>Indian Agent / Indian Office:-</u> LASER SCIENCE SERVICES (I) PVT. LTD., A-454,TTC Industrial Area, MIDC, Mahape, Navi Mumbai:400710, Maharashtra, India	Ref.:-	1. NML Enquiry No. PUR/135/PKM/DB/EQM/2025-26 published in CPP Portal on 31.12.2025. 2. Quotation Ref. No. LS/CSIRJAM/Q-090226 dt. 06.02.2026. 3. Email dt. 30.04.26, 18.05.26 and 23.07.26 of Laser Science Services Pvt. Ltd., Mumbai .

Dear Sir,

I am directed to request you to kindly supply, install, commission the following material as the enclosed terms & conditions:-

Sl. No.	Description	Quantity	Total Price/ GBP
1.	Nanomagnetics Instruments Vibrating Sample Magnetometer (VSM) system with 3 Tesla Electromagnet (Technical Specifications are attached at Annexure-A)	01 (One) Unit	158,750.00
2.	Packing, Shipping, Handling & Insurance	---	Included
3.	International Freight and Insurance Charges	---	3,000.00
Total CIP KOLKATA Airport Charges			161,750.00

This Contract/Purchase Order shall be governed by:-

- (1) General Conditions of Contract and Special Conditions of Contract as detailed in the Bid Document and
- (2) Special Conditions of Contract enclosed with this Purchase Order.

The Order Acknowledgement must be submitted immediately and in any case, within 07 days from the date of placement of this Purchase Order. The Order Acknowledgement shall be made on letterhead of the firm mentioning detailed technical specifications as per Quotation and shall also contains declaration towards acceptance of all the terms & conditions of the Purchase Order.

 07/08/26

Stores & Purchase Officer

For & on behalf of the Council of Scientific & Industrial Research

Encl:

1. Annexure-A (Technical Specifications)
2. Annexure-B (Acceptance Certificate Form)
3. Annexure-C (Format of Performance Bank Guarantee)

Explanations

The following words and expressions used in this Tender Document shall have the meanings hereby assigned to them:

Purchaser	Means CSIR-NATIONAL METALLURGICAL LABORATORY, BURMA MINES, JAMSHEDPUR, JHARKHAND - 831007
Manufacturer/Supplier	Means M/s. NANOMAGNETICS INSTRUMENTS LTD., U.K
Indian Agent	M/s. LASER SCIENCE SERVICES (I) PVT. LTD., Navi Mumbai, Maharashtra, INDIA

1.	Delivery Term	C.I.P Kolkata Airport
2.	Purchase Order Value / Contract Price	GBP 161,750.00 [GBP ONE HUNDRED SIXTY-ONE THOUSAND SEVEN HUNDRED FIFTY ONLY]
3.	Transportation / Despatch	The ordered goods shall be shipped by Supplier on "Freight Prepaid" basis and duly insured for 110% of CIP Kolkata Airport value on warehouse to warehouse basis covering all the risks including SRCC.
4.	Custom Clearance	The import consignment shall be cleared from Indian customs by the Purchaser through their own clearing agent. In order to ensure timely customs clearance, Supplier shall provide the following details 7 days prior to arrival of cargo flight at destination airport:- a) HAWB No. and date b) Flight No. and date c) Complete set of dispatch documents d) Name and address of local agent of Supplier's nominated forwarder, from whom delivery of the cargo is to be requested.
5.	Payment	Payment shall be made in currency of the Contract in the following manner: (a) On Shipment : 70 % (Seventy Percent) of the Contract Price of all the ordered Goods shipped, i.e. GBP 113,225.00 shall be paid through irrevocable Letter of Credit opened in favour of the Supplier in a bank in its country, upon submission of documents specified in the LC. (b) On Acceptance: 30 % (Thirty percent) of the Contract Price of Goods, i.e. GBP 48,525.00 received shall be paid by Wire Transfer within thirty (30) days of completion of installation, commissioning, training and acceptance of all the ordered goods and services upon submission of claim supported by the acceptance certificate issued by the Purchaser including fulfillment of all contractual obligations.
6.	Banking Charges	All bank charges abroad shall be to the account of the beneficiary i.e. supplier and all bank charges in India shall be to the account of the purchaser.
7.	Performance Security	The Supplier shall furnish Performance Security for 3% of the contract price, i.e. GBP 4,853.00 within 21 days of receipt of the notification of award/PO . Other details of Performance Security are detailed at GCC Clause 2.13 of our tender document. Format of the Performance Bank Guarantee is attached at Annexure-C. The Performance Security is to be submitted in either of the following forms. i) Foreign exchange amount i.e. GBP 4,853.00 in form of a Bank Guarantee issued/ confirmed from any of the scheduled Commercial Bank in India. OR ii) Equivalent amount in Indian Currency (INR) by the Indian Agent / Counterpart in any acceptable form as detailed at GCC Clause 2.13 of our tender document.
8.	Country of Origin	UK
9.	Port of Shipment	Any UK International Gateway Airport.
10.	Customs Duty Exemption Certificate (CDEC)	CDEC & e-Waybill for imported equipment will be provided by CSIR-NML.

11.	Delivery period / Shipment Period	The supplier shall deliver the goods at port of destination (Kolkata Airport) within 10 (TEN) MONTHS from the date of issuance of the Purchase Order. The bidder shall, in its Order Acknowledgement, specify the latest date of shipment of goods from the Airport of Departure (i.e. Any International Airport, UK) required for facilitating establishment of the Letter of Credit (LC). The latest date of shipment of goods from the Airport of Departure (Any International Airport, UK) shall be finalized in such a way that the goods shall be delivered to the Airport of Destination (Kolkata Airport, India) within the above-mentioned stipulated delivery period of 10 MONTHS. If the supplier fails to ship the goods by the latest date of shipment after establishment of the Letter of Credit (LC), or if any amendment to the LC becomes necessary for reasons attributable to the supplier, then all charges relating to such amendment of LC viz. amendment charges, extension charges, modification charges, bank charges, and any other related charges, shall be borne by the supplier. The delivery of the indigenous goods must be synchronized alongwith the supply of main imported items. Denial Clause (over and above levy of Liquidated Damage): any increase in statutory duties and / or upward rise in prices due to the PVC (Price Variation Clause) clause and / or any adverse fluctuation in foreign exchange are to be borne by the seller during the extended delivery period, while the purchaser reserves the right to get any benefit of a downward revisions in statutory duties, PVC and foreign exchange rate. Except as provided under the Force Majeure clause, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of penalty pursuant to Penalty Clause unless an extension of time is agreed upon pursuant to above clause without the application of penalty clause.
12.	Warranty	1 (ONE) YEAR(S) on-site comprehensive warranty from the date of completion of successful Installation, Commissioning, Training and completion of all contractual obligations to the entire satisfaction of this Institute (Purchaser).
13.	Pre-installation visit	Not applicable.
14.	Installation & Commissioning	Installation and commissioning of the equipment will be completed by the firm's engineers including acceptance test at site within 45 DAYS from receipt of all ordered items in CSIR-NML. Supplier must submit original Installation Certificate on their letterhead indicating date of completion of Installation & Commissioning duly signed & stamped by Service Engineer and user of CSIR-NML. The supplier and user of CSIR-NML shall jointly fill-up Acceptance Certificate Form (Attached at Annexure-B) on completion of Commissioning of the equipment. Delay beyond the prescribed period in completion of contractual obligations will attract the imposition of Liquidated Damage Clause as mentioned in this tender document.
15.	Training	It should be imparted to Seven (07) persons for Five (05) days to the purchaser at purchaser's premises. It should be completed as per schedule mentioned under installation and commissioning.
16.	Acceptance	Supply of goods as per PO.
17.	LD Clause	It will be applicable for delay in delivery / shipment, installation, commissioning and completion of all contractual obligations beyond deadlines as mentioned in the PO.

18.	Certificate for effecting balance payment	Firm will submit the installation certificate and acceptance certificate form (Attached at Annexure-B) indicating the completion of Installation, Commissioning & Training as well as duly signed by the user of CSIR-NML alongwith Invoice for effecting the balance payment.
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 07/08/26
 Stores & Purchase Officer

For & on behalf of the Council of Scientific & Industrial Research

SPECIAL CONDITIONS OF CONTRACT (SCC)

The following Special Conditions of Contract (SCC) shall supplement and / or amend the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

SCC 1.	The Purchaser is: Director, CSIR-NATIONAL METALLURGICAL LABORATORY, BURMA MINES, JAMSHEDPUR, JHARKHAND - 831007
SCC 2.	The Supplier is: M/s. NANOMAGNETICS INSTRUMENTS LTD., U.K. Indian Agent is :- LASER SCIENCE SERVICES (I) PVT. LTD., Navi Mumbai, Maharashtra, India
SCC 3.	Final Destination: CSIR-NATIONAL METALLURGICAL LABORATORY, BURMA MINES, JAMSHEDPUR, JHARKHAND – 831007, INDIA
SCC 4.	Order Acknowledgement/Confirmation: The Order Acknowledgement must be submitted immediately and in any case, within 07 days from the date of placement of this Purchase Order. The Order Acknowledgement shall be made on letterhead of the firm mentioning detailed technical specifications as per Quotation and shall also contains declaration towards acceptance of all the terms & conditions of the Purchase Order unconditionally without any changes.
SCC 5.	Performance Security: The Supplier shall furnish Performance Security for 3% of the contract price, i.e. GBP 4,853.00 within 21 days of receipt of the notification of award/PO . Other details of Performance Security are detailed at GCC Clause 2.13 of our tender document. Format of the Performance Bank Guarantee is attached at Annexure-C. The Performance Security is to be submitted in either of the following two ways. i) Foreign exchange amount i.e. GBP 4,853.00 in form of a Bank Guarantee issued/ confirmed from any of the scheduled Commercial Bank in India. OR ii) Equivalent amount in Indian Currency (INR) by the Indian Agent / Counterpart in any acceptable form as detailed at GCC Clause 2.13 of our tender document.
SCC 6.	Delivery / Shipment : The supplier shall deliver the goods at port of destination (Kolkata Airport) within 10 (TEN) MONTHS from the date of issuance of the Purchase Order. In the Order Acknowledgement, the bidder shall specify the latest date of shipment of goods from the Airport of Departure (Any International Airport, UK) required for establishment of Letter of Credit (LC). The latest date of shipment of goods from the Airport of Departure (Any International Airport, UK) shall be finalized in such a way that the goods shall be delivered to the Airport of Destination (Kolkata Airport, India) within the above-mentioned stipulated delivery period (10 MONTHS from the date of issuance of the Purchase Order). If the supplier fails to ship the goods by the latest date of shipment after establishment of the Letter of Credit (LC), or if any amendment to the LC becomes necessary for reasons attributable to the supplier, then all charges relating to such amendment of LC viz. amendment charges, extension charges, modification charges, bank charges, and any other related charges, shall be borne by the supplier. The delivery of the indigenous goods must be synchronized alongwith the supply of main imported items. Denial Clause (over and above levy of Liquidated Damage): any increase in statutory duties and / or upward rise in prices due to the PVC (Price Variation Clause) clause and / or any adverse fluctuation in foreign exchange are to be borne by the seller during the extended delivery period, while the purchaser

	reserves the right to get any benefit of a downward revisions in statutory duties, PVC and foreign exchange rate. Except as provided under the Force Majeure clause, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of penalty pursuant to Penalty Clause unless an extension of time is agreed upon pursuant to above clause without the application of penalty clause.
SCC 7.	Part supply will not be accepted.
SCC 8.	The country of origin of the Goods is UK.
SCC 9.	The port of shipment of the Goods is Any International Airport in UK.
SCC 10.	The mode of shipment: By Air – C.I.P Kolkata Air-Port as per Purchase Order.
SCC 11.	Pre-installation visit Not Required. Installation & Commissioning: Installation and commissioning of the equipment will be completed by the firm's engineers including acceptance test at site within 45 DAYS from receipt of all ordered items in CSIR-NML. Supplier must submit original Installation Certificate on their letterhead indicating date of completion of Installation & Commissioning duly signed & stamped by Service Engineer and user of CSIR-NML. The supplier and user of CSIR-NML shall jointly fill-up Acceptance Certificate Form (Attached at Annexure-B) on completion of Commissioning of the equipment. Delay beyond the prescribed period in completion of contractual obligations will attract the imposition of Liquidated Damage Clause as mentioned in this tender document.
SCC 12.	Training: It should be imparted to Seven (07) persons for Five (05) days to the purchaser at purchaser's premises. It should be completed as per schedule mentioned under installation and commissioning.
SCC 13.	Inspection and Tests:- The Inspection tests prior to shipment of goods and at final acceptance at buyer's site. After the goods are manufactured and assembled, inspection and testing of the goods shall be carried out at the Supplier's plant by the Supplier prior to shipment to check whether the goods are in conformity with the technical specifications. Manufacturers Test Certificate with data sheet shall be issued to the effect and submit alongwith delivery documents. The acceptance test will be conducted by the Purchaser, their consultant or other such person nominated by the Purchaser at its option after the equipment is installed at Purchaser's site in the presence of supplier's representatives. The acceptance will involve trouble free operation. There shall not be any additional charges for carrying out acceptance test. No malfunction, partial or complete failure of any part of the equipment is expected to occur. The Supplier shall maintain necessary log in respect of the result of the test to establish to the entire satisfaction of the Purchaser, the successful completion of the test specified. In the event of the ordered item failing to pass the acceptance test, a period not exceeding two weeks will be given to rectify the defects and clear the acceptance test, failing which, the Purchaser reserve the right to get the equipment replaced by the Supplier at no extra cost to the Purchaser. Successful conduct and conclusion of the acceptance test for the installed goods and equipment shall also be the responsibility and at the cost of the Supplier. Before the goods and equipment are taken over by the Purchaser, the Supplier shall supply operation and maintenance Manuals together with Drawings of the goods and equipment built. These shall be in

	such details as will enable the Purchase to operate, maintain, adjust and repair all parts of the works as stated in the specifications. The Manuals and Drawings shall be in the ruling language (English) and in such form and numbers as stated in the Contract. Unless and otherwise agreed, the goods and equipment shall not be considered to be completed for the purposes of taking over until such Manuals and Drawing have been supplied to the Purchaser. On successful completion of acceptability test, receipt of deliverables, etc. and after the Purchaser is satisfied with the working of the equipment, the acceptance certificate signed by the Supplier and the representative of the Purchaser will be issued. The date on which such certificate is signed shall be deemed to be the date of successful commissioning of the equipment.
SCC 14.	Packing: Please refer to Special Conditions of Contract (SCC) of our tender document.
SCC 15.	Shipping and other Documents : Please refer to Special Conditions of Contract (SCC) of our tender document.
SCC 16.	Mode of dispatch: In case of supplies from within India, the mode of transportation shall be by Road. In case of supplies from abroad, the mode of transportation shall be by AIR.
SCC 17.	Insurance: The Insurance in respect of goods to cover all risks upto final destination shall be borne by Supplier at its own costs. The Insurance shall be for an amount equal to 110% of the CIF or CIP value of the contract from within "warehouse to warehouse (final destination)" on "all risk basis" including strikes, riots and civil commotion
SCC 18.	Warranty: 1 (ONE) YEAR(S) on-site comprehensive warranty from the date of completion of successful Installation, Commissioning, Training and completion of all contractual obligations to the entire satisfaction of this Institute (Purchaser). Other details of Warranty are detailed at GCC Clause 2.21 of our tender document read with relevant SCC.
SCC 19.	Payment: <u>Payment shall be made in currency of the Contract in the following manner:</u> (a) On Shipment : 70 % (Seventy Percent) of the Contract Price of all the ordered Goods, i.e. GBP 113,225.00 shipped shall be paid through irrevocable Letter of Credit opened in favour of the Supplier in a bank in its country, upon submission of documents specified in the LC. (b) On Acceptance: 30 % (Thirty percent) of the Contract Price of Goods, i.e. GBP 48,525.00 received shall be paid by Wire Transfer within thirty (30) days of completion of installation, commissioning, training and acceptance of all the ordered goods and services upon submission of claim supported by the acceptance certificate issued by the Purchaser including fulfillment of all contractual obligations.
SCC 20.	Liquidated Damages : Please refer to our tender document under GCC 2.27 read with the relevant SCC.

 07/08/26

Stores & Purchase Officer
For & on behalf of the Council of Scientific & Industrial Research

Laser Science Services (I) Pvt. Ltd.Bringing Tomorrow's Technology Today[®]

GSTIN: 27AAACL9602L1ZA

[CIN: U 51507 MH 2004 PTC 144383]

A-454, TTC Industrial Area, MIDC, Mahape, Navi Mumbai 400710

Ph.: +91-22-41553232 Fax: +91-22-27781672 / 41553240

To,
The Director
CSIR-National Metallurgical Laboratory,
Jamshedpur - 831007.
Tender No. PUR/135/PKM/DB/EQM/2025-26.

Date: 09/02/26

Name of the Item: "Supply, Installation & Commissioning of VIBRATING SAMPLE MAGNETOMETER 3 TESLA"

Sub: Tech bid for Supply and Installation of Vibrating sample magnetometer 3 Tesla as per tender details.

Dear Sir,

This is in reference to your requirement for Vibrating sample magnetometer 3 Tesla as per your requirement. We are submitting our offer *LS/CSIRJAM/Q-090226* from Nanomagnetism Instruments for your kind reference and perusal.

Vibrating Sample Magnetometer (VSM) System VSM-300-EM

The NMI-VSM refines the technique of Vibration with a calibrated oscillation frequency (1-100Hz) and a broad amplitude range (0.1 mm – 5mm) to deliver the most accurate and reproducible VSM test results with below advantages:

Advantages:

Ultra-High Sensitivity: With an RMS sensitivity of 5×10^{-7} emu, our VSM captures the faintest magnetic moments, making it ideal for characterizing thin films, powders, and novel materials.

Exceptional Stability: Achieve consistent, reproducible data day after day. Our system's high stability is critical for long-term studies and reliable results.

Versatile Measurement Capabilities: From VSM analysis of nanoparticles to bulk solids, our magnetometer is a flexible tool for a vast range of applications.

A Superior Alternative: When comparing VSM machines, the NMI-VSM stands out for its robust build, ease of use, and a support team dedicated to your research success, offering a compelling value proposition against other systems like those from Lake Shore or Quantum Design.

Advanced Magnetic Characterization & VSM Measurement

Extreme Temperature and Field Environments

Explore material properties under any condition. The NMI-VSM is more than a standard magnetometer; it's a complete characterization solution.

Wide Temperature Options: Seamlessly move between a cryostat (2 K), a high-temperature oven (1000 K), and a variable temperature insert.

Powerful Magnetic Fields: Generate fields up to 3.7T with the standard air-cooled electromagnet or achieve up to 14T when combined with the cryostat for the most demanding research applications.

Technical Specifications of our VSM Machine

- VSM Oscillation Frequency: 1-100Hz (calibrated)
- VSM Oscillation Amplitude: 0.1 mm – 5mm

Laser Science Services (I) Pvt. Ltd.

Bringing Tomorrow's Technology Today®

GSTIN: 27AAACL9602L1ZA

[CIN: U 51507 MH 2004 PTC 144383]

A-454, TTC Industrial Area, MIDC, Mahape, Navi Mumbai 400710

Ph.: +91-22-41553232 Fax: +91-22-27781672 / 41553240



- Sample Size: Up to 6mm diameter (bulk and thin film)
 - System Configuration: Longitudinal (RT) and Vertical (Cryogenic) options available.
- Key Feature:** The oven/cryostat remains installed, making the system ready for any measurement scenario without complex hardware changes.

For Laser Science Services (I) Pvt. Ltd.

Taslim-Hossain



Taslim Hossain
Field Sales Engineer



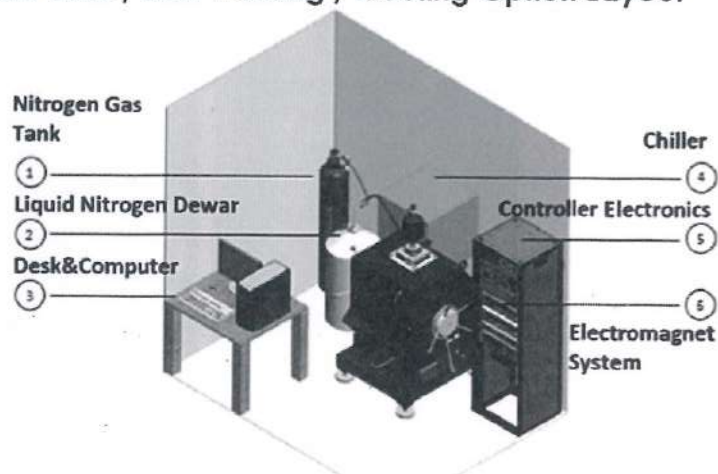
NanoMagnetics VSM with 2.5T ElectroMagnet

NMI VSM System 3.7 Tesla / 80|000K / $\pm 240A$ / ~2 tons

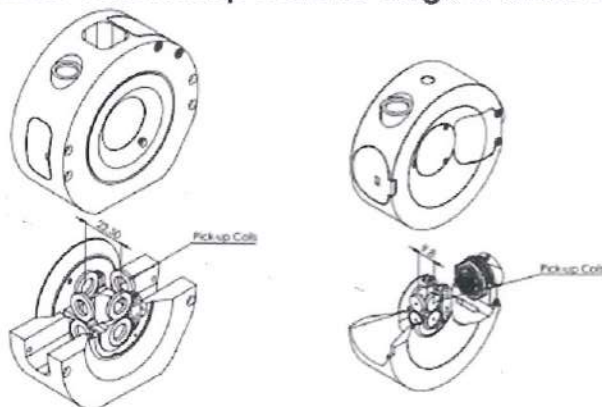


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NMI Vector VSM / with Heating / Cooling Option Layout



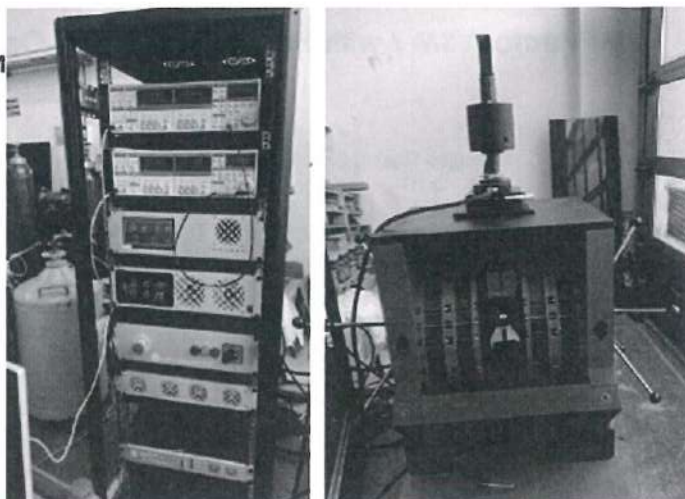
NMI Vector VSM Pickup Coils for Large & Small Samples



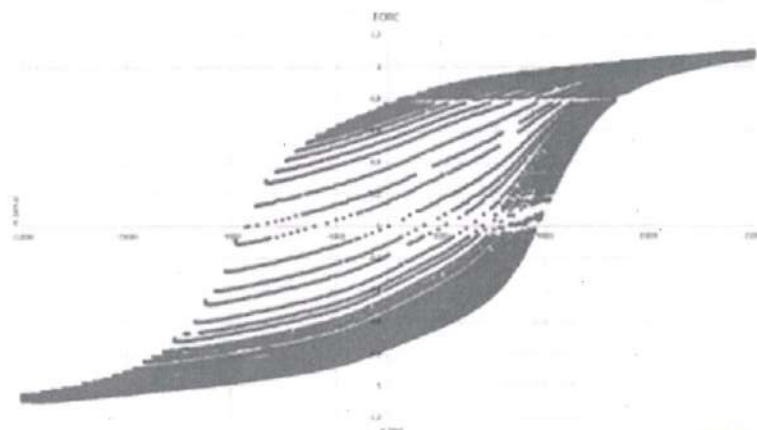
8-Coil Pick-Up System: Technical Drawings for 3.1T (25mm Gap) and 3.7T (10mm Gap)

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NMI Vector VSM
77-1,000K
3.7T
& Sample
Rotator

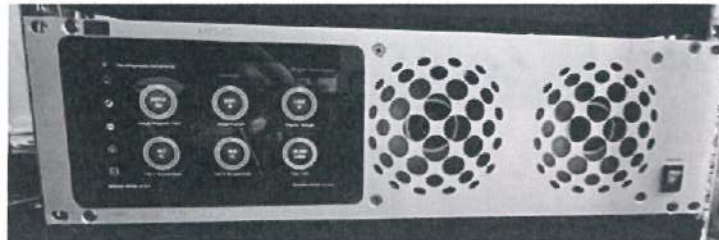


NMI Vector VSM / FORC Measurement on NdFeB Magnet

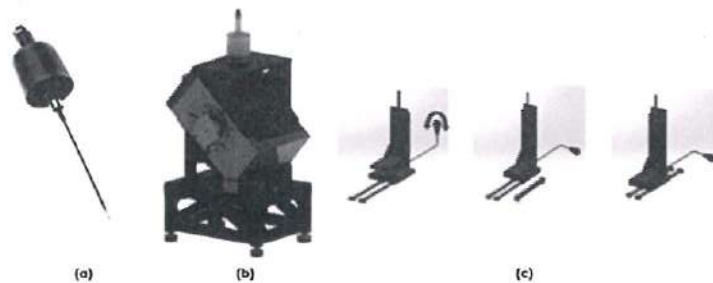


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NMI VSM 3.7 Tesla VSM
Air Cooled 10kVA Bipolar Magnet
Power Supply with Touchscreen & Gaussmeter



NMI High / Low Temperature VSM with Electromagnet

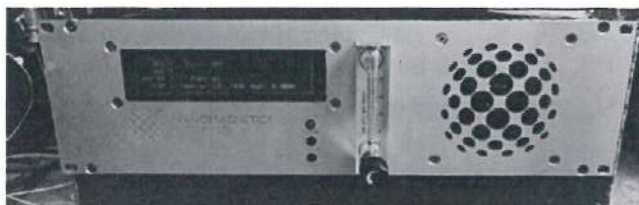


NMI VSM System: a) The vibrating head. b) Overview of the setup. c) VSM Furnace for High Temperature VSM

NANOMAGNETICS
INSTRUMENTS

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NMI VSM
Temperature
Controller
77-1,275K



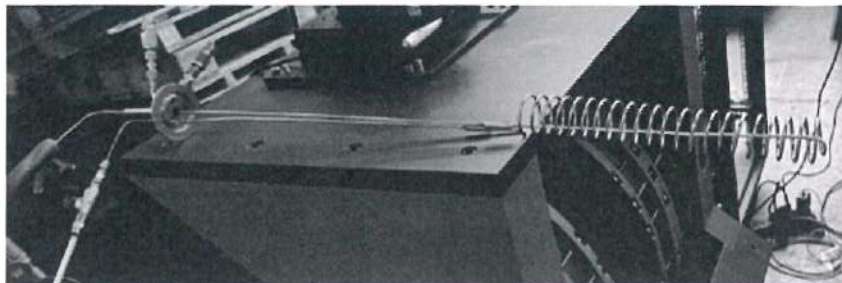
For Laser Science Services (I) Pvt. Ltd.

Taslim-Hossain

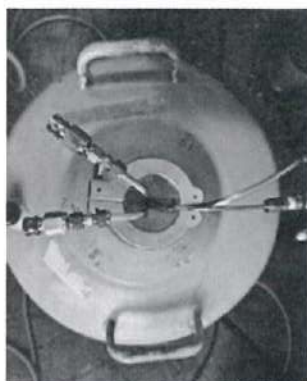


Taslim Hossain
Field Sales Engineer

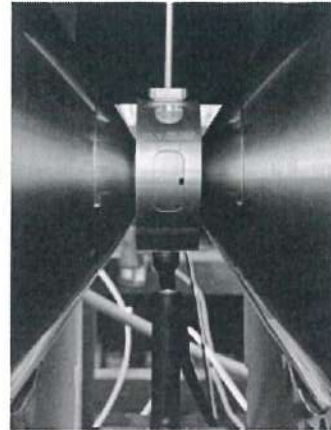
NMI VSM Temperature Controller 77-1,275K



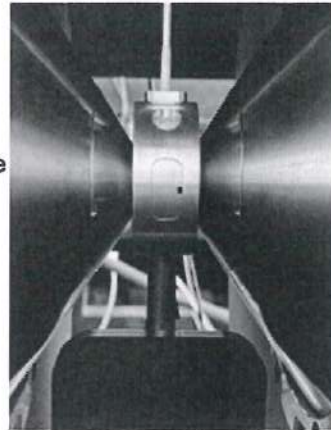
**NMI VSM Low Temperature
Controller 77-400K**



**NMI VSM Temperature
Controller 77-1,275K
Disengaged**



**NMI VSM Temperature
Controller 77-1,275K
Engaged**

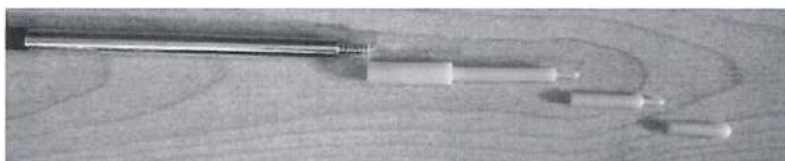


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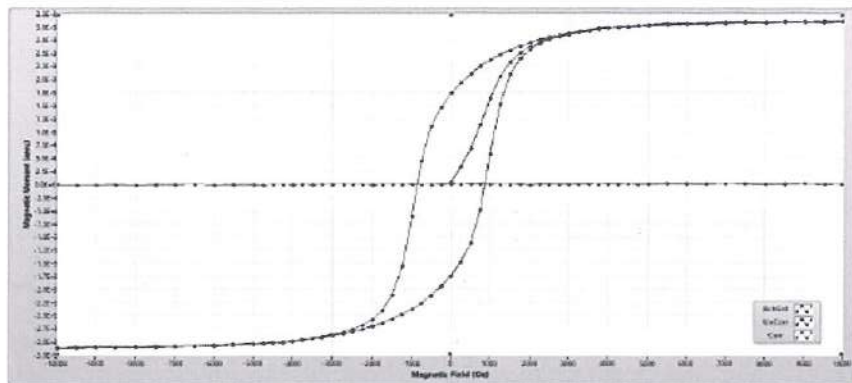
NMI VSM High Temperature Boron Nitride Sample Holder Rod



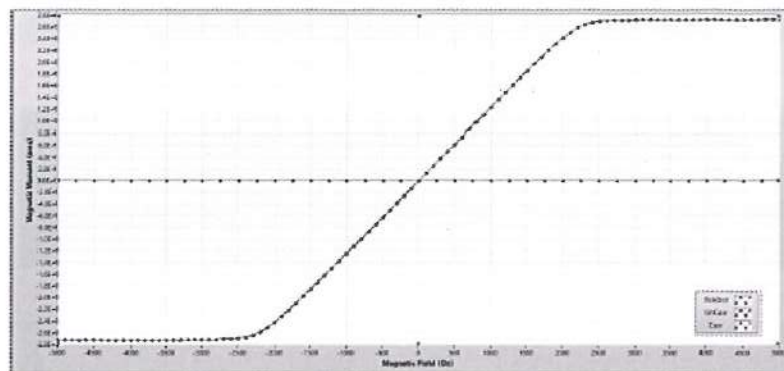
NMI VSM Sample Holder Rod



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Magnetisation Measurement of a floppy disk sample

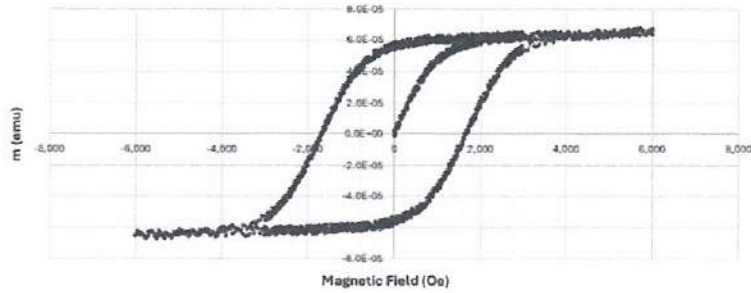


Magnetisation Measurement of a NIST Nickel Calibration Sample

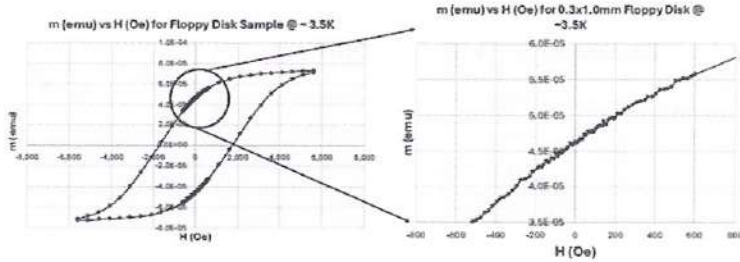
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Hysteresis Measurement of Floppy disk 0.3mmx1mm @ 300K , H // Disk

m (emu) vs Magnetic Field (Oe) for 0.3x1.0mm Floppy Disk @ 300K



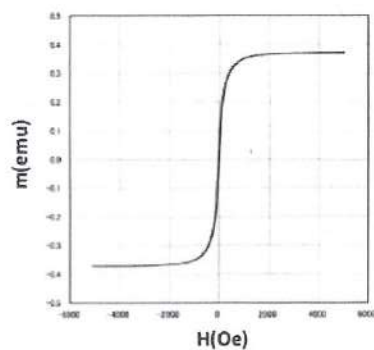
Hysteresis Measurement of Floppy disk (0.3mm x 1mm) at ~3.5K, H // Disk



NANOMAGNETICS
INSTRUMENTS

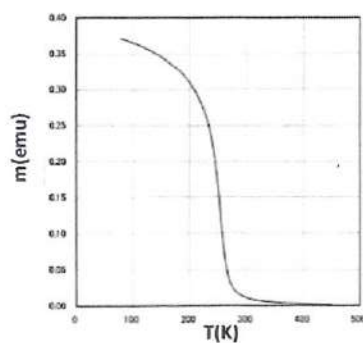
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**VSM Measurement of Ceramic Thin Film
3x3x0.07mm @ 77K**



NANOMAGNETICS
INSTRUMENTS

**VSM Measurement of Ceramic Thin Film
3x3x0.07mm @ 77-450K**



NANOMAGNETICS
INSTRUMENTS

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Laser Science Services (I) Pvt. Ltd.Bringing Tomorrow's Technology Today[®]

GSTIN: 27AAACL9602L1ZA

[CIN: U 51507 MH 2004 PTC 144383]

A-454, TTC Industrial Area, MIDC, Mahape, Navi Mumbai 400710

Ph.: +91-22-41553232 Fax: +91-22-27781672 / 41553240



Date: 06/02/2026

QUOTATIONOur Quotation ref: LS/CSIRJAM/O-060226

To,

Make: Nanomagnetics Instruments

The Director

CSIR-National Metallurgical Laboratory,

Jamshedpur - 831007.

Sub: Tech bid for Supply and Installation of Vibrating sample magnetometer 3 Tesla as per tender details.

*The order for the items from Sr. No 1-4 will be placed to our principal M/s Nanomagnetics Instruments U.
For items at Sr. No 5 and 6 the order should be placed to Laser Science Services Pvt. Ltd.*

Sl. No	Description	Unit	Total Amount
1	Nano Magnetism Instruments Vibrating Sample Magnetometer (VSM) system with 3Tesla Electromagnet	1	INCLUDED
	VSM Measurement Parameters: - VSM oscillation frequency (calibrated): 1 -100Hz - VSM oscillation amplitude range of 0.1mm – 5mm Sensitivity Parameters: - RMS Sensitivity 5×10^{-7} emu - High stability $\pm 0.1\%$ per day - Excellent reproducibility System Properties: - Air-cooled Magnet Power Supply - Longitudinal configuration - Variable Pole Gap Electromagnet System $\pm 3T$ @Room Temperature @ 10mm gap - Bipolar Air cooled Magnet power supply - Integrated Gauss meter and Hall sensor - Water cooled Electromagnet with overcurrent, overvoltage & over temperature protection - Pole diameter : 150 mm - Pole face : 50 mm - Field accuracy: $\pm 1\%$ or $\pm 0.05\%$ FS - Field resolution: 0.001 Oe or better - Field noise: $\leq 0.1 \mu$emu - Field ramp rate: ≥ 1 T/s - Safe working distance between high temperature sample holder and pick up coils. Measurement Range: - Dynamic moment measurement range: 1×10^{-6} – 100 emu		

Laser Science Services (I) Pvt. Ltd.

Bringing Tomorrow's Technology Today®

GSTIN: 27AAACL9602L1ZA

[CIN: U 51507 MH 2004 PTC 144383]

A-454, TTC Industrial Area, MIDC, Mahape, Navi Mumbai 400710

Ph.: +91-22-41553232 Fax: +91-22-27781672 / 41553240



	Sample Head • Motorized head with locking system User & Sample Holder Kit • 10 bulk sample holders • 5 thin film sample holders • 10 powder sample holders • 5 liquid sample holders Calibration and Standards • NIST based Nickel standard sample will be provided for periodic calibration of magnetic moment at low and high magnetic fields/temperatures. Sample holder suitable for bulk, powder, liquid thin film samples • Temperature Calibration certificates will be provided Geometry • Sample holder suitable for bulk, powder, liquid thin film samples • Sample holder configurable for parallel and vertical field measurement Software • For performing experiments and analysis of; • DC Hysteresis curve, $M(H)$ • Temperature and time dependent magnetization curve, $M(T, t)$ • Isothermal magnetization curve within the specified temperature • Minor Loop • Programmable M-H loop at incremental temperatures for magneto-caloric samples • Provision for rotational hysteresis and anisotropy and FORC. • Licensed software compatible with the latest windows version and capable of upgrade with newer versions during warranty period • System software interface cards, • Windows based Data Acquisition and analysis software • Unlimited user license for Analysis Software, Windows based Data Acquisition and analysis software • <i>Unlimited user license for Analysis Software</i>		
2	< 80 – 1,000K Temperature Range (Requires LN, pure Argon or nitrogen gas tank & regulator which are not supplied) • Temperature accuracy: $\leq 0.2^\circ\text{C}$ • Heating rate: $\geq 5^\circ\text{C/min}$ • Cooling time: <1 h (RT $\rightarrow$ 77 K)	1	INCLUDED
4	Packing, Shipping, Handling & Insurance	1	INCLUDED

Vibrating Sample Magnetometer

VSM-300-EM

Multiple-Magnet Configurations:

- Available in 2.5T, 3T, and 3.7T field strengths to suit diverse research needs.

Easy Sample Exchange:

- Designed for convenience and precision, the top-loading sample rod enables rapid sample changes without compromising alignment.

Technical Specifications:

- Sensitivity: 5E-7 emu.
- Field Resolution: 1 mOe
- Field Ramp Rate: >1 T/s
- Auto Rotation Range: $\pm 360^\circ$ (within the magnetic field plane)
- Angular Resolution: 0.1°
- Accuracy & Repeatability: $\pm 0.2^\circ$
- Vector Detection: 8 sensing coils (4 pairs) for simultaneous X and Y magnetic moment components.
- Sensitivity: 5E-7 emu.
- Wide Temperature Range: Continuous operation from 80K to 1,273K without any hardware modifications.

Anisotropy Measurements :

Equipped with a vector coil set and automated sample rotation for high-precision characterization of magnetic anisotropy, including torque curves and angular-dependent measurements.

Fully Automated Measurement and Analysis Software

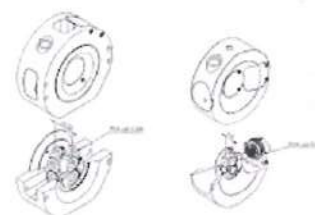
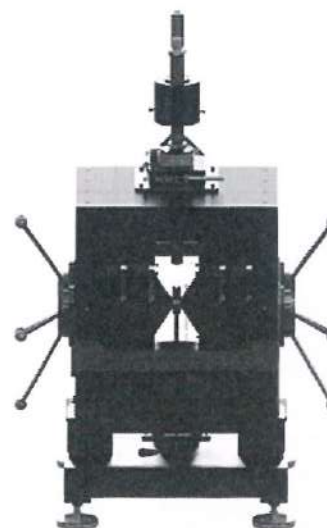
Our software delivers complete automation for VSM measurements, spanning from sample positioning and coil calibration to complex experimental routines. Each measurement is precisely controlled and reproducible, ensuring seamless operation and reliable magnetic characterization.

Supported Measurement Techniques:

- Hysteresis & Minor Loops: Full characterization of magnetic properties.
- Remanence Curves: DC demagnetization (DCD) and Isothermal Remanence (IRM).
- Advanced Analysis: FORC (First-Order Reversal Curves) and ΔM -Henkel plots.
- Anisotropy & Dynamics: Rotational hysteresis, torque curves, and magnetic moment vs. time.
- Temperature-Dependent Studies: ZFC, FCC, and FCW (Zero Field Cooled, Field Cooled Cooling, and Field Cooled Warming).

Variable Temperature Control:

Our versatile temperature control modules operate from 80K to 1,273K, covering both cryogenic and high-temperature regimes. Fully integrated with the electromagnet system, this capability provides the broadest temperature span available in any electromagnet-based VSM on the market.



Sample Holders:

Designed for versatility, our VSM system includes sample holders suitable for thin film, bulk, liquid, and powder samples. Precision engineering ensures reliable positioning, minimal background signal, and a consistent magnetic response across all sample types.



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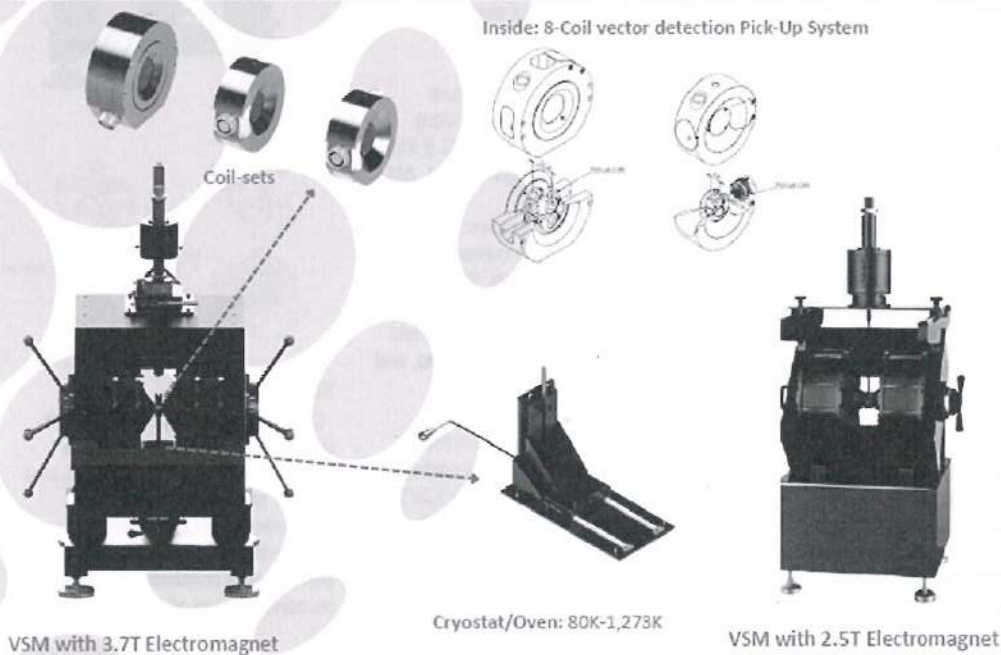


Sensitivity & Performance

Sensitivity X Coils (emu)	<5E-7 emu RMS
Sensitivity Y Coils (emu)	<1.2E-6 emu RMS
Dynamic Range	1E-5 to 1E+3 emu
Moment Stability	Better than $\pm 0.05\%$ of full scale/day for fixed coil geometry at constant field and temperature
Moment Accuracy	Better than 1% of reading $\pm 0.2\%$ of full scale with a geometrically identical test sample and calibrant
Sample Mass	0-10 grams

Temperature option

	Cooling	Heating
Temperature Range (K)	-80-300	300-1,273
Coolant	Cooled Ar or N2 gas & LN (30L Liquid N2 Dewar is Included.)	-
Gas with cylinder & regulator	N2 or Ar	N2 or Ar
Temperature Stability (K)	0.1K	0.1K
Temperature Resolution (K)	0.001K	0.001K
Temperature Ramp Rate (K/min)	10 K/min	10 K/min
Temperature Control	PID & Gas Flow Rate	PID & Gas Flow Rate



ElectroMagnet Options

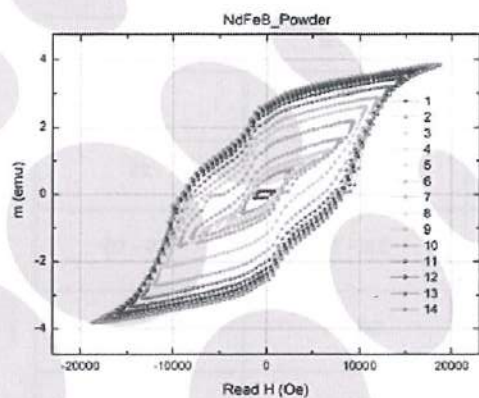
	2.5 Tesla	3 Tesla	3.7 Tesla
Pole Diameter (mm)	100	150	250
Pole Face Diameter (mm)	25/50	25/50	25
Sample Size at room temperature (mm)	3.5 - 10	3.5 - 10	3.5 - 10
Sample Size for oven & cryostat (mm)	3.5 - 6	3.5 - 6	3.5 - 6
Field at 10mm Pole Gap (Tesla)	2.5 - 6	3.00	3.7
Field Accuracy	$\pm 1\%$ of reading or $\pm 0.05\%$ of full scale		
Field Resolution	100 nT (1 mOe)		
Pole Gap Adjustment Range (mm)	0-120	0-120	0-120
Magnet Power Supply Power (kW)	3	5	10
Magnet Water Cooling Rate	5 L/min	7 L/min	12 L/min
Cooling Water Temperature (°C)	5-25	5-25	5-25
Magnet Power Supply Cooling	Air	Air	Air
Magnet Ramp Rate (T/s)	>1.0	>1.0	>1.0
Hole in the Magnet Poles & Pole Faces for Optical Experiments	10mm	10mm	10mm
Sample Rotation Resolution (°)	0.1°	0.1°	0.1°



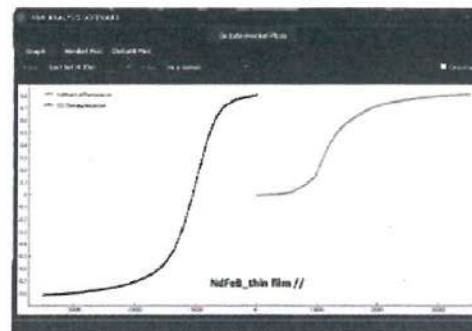
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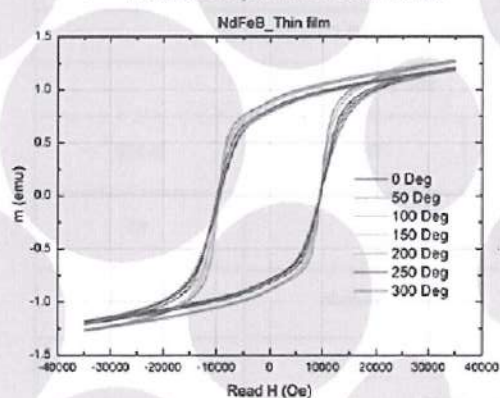
Minor Loops Measurement



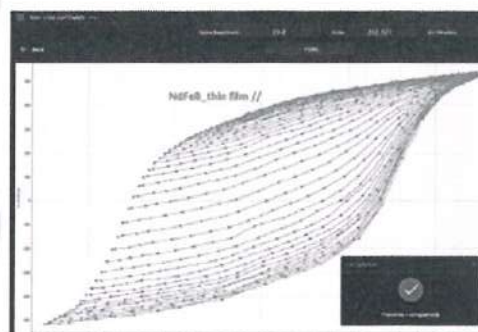
Delta M-Henkel Plots



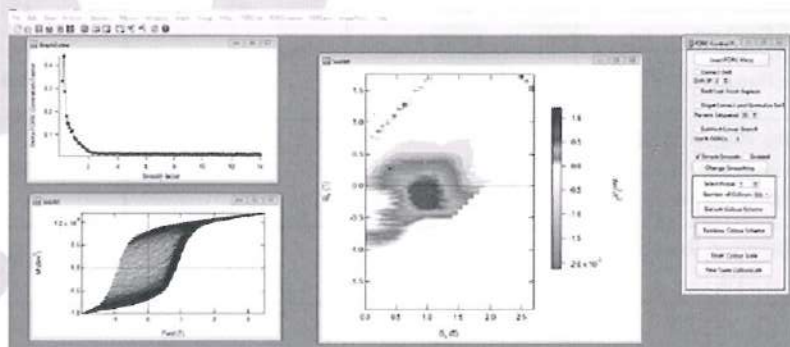
Rotational Hysteresis Measurement



FORC Measurement



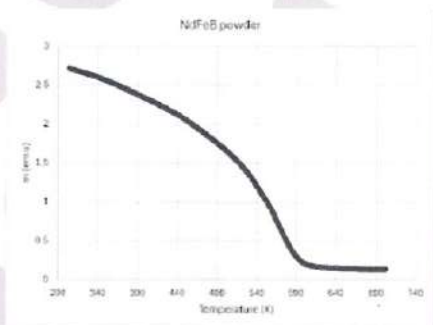
FORCinel Data Analysis



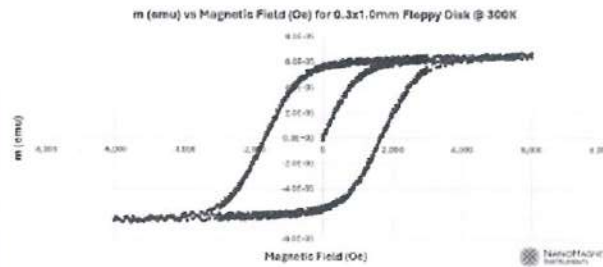
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M vs Temperature Measurement

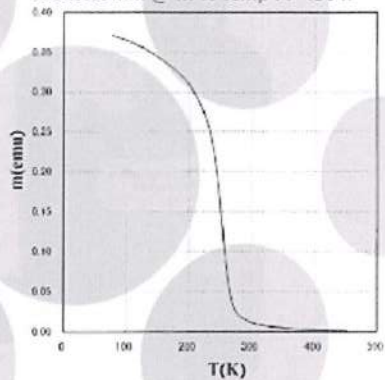


Hysteresis Measurement of Floppy disk 0.3mmx11mm @300 K, H//Disk

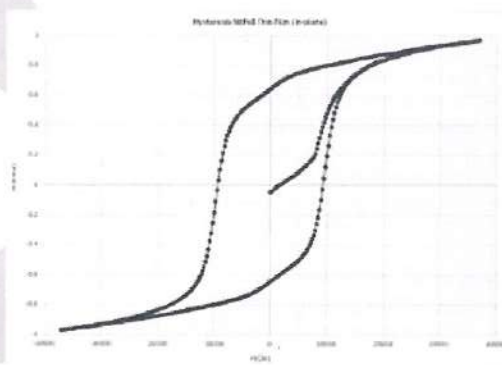


Ceramic Thin Film

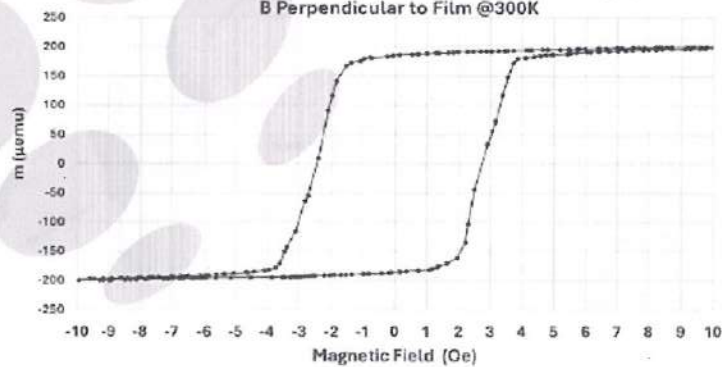
3x3x0.07mm @ m vs temp 77-450 K



Hysteresis Measurement



Hysteresis Measurement of FeCoB Thin Film Sample, B Perpendicular to Film @300K



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VSM with Closed Cycle Cryostat

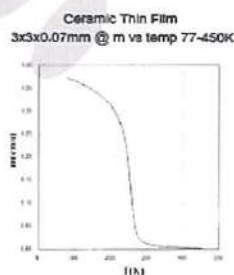
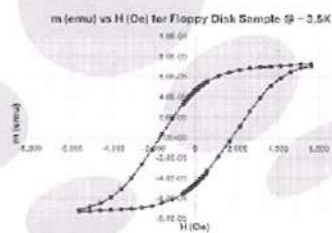
- **Magnets:** 3T, 5T, 7T, 9T, 12T and 14T Solenoid Magnets
- **Sensitivity:** 5E-7 emu (RMS)
- **Sample Size:** 5 mm or 10 mm diameter
- **Accuracy:** < 1%
- **Software:** Windows-based data acquisition and analysis software

Automatically calculated parameters with analysis software:

- Coercive Field (H_c)
- Saturation Magnetization (M_s)
- Coercive Field (H_c) Offset
- Remanent Magnetization (M_r)
- Initial Slope ($dM/dH \mid H=0$)
- Nucleation Field (H_n)
- Saturation Field (H_s)
- Area enclosed by the hysteresis loop
- Slope at Coercive Field (H_c)

System Specifications

- Cryogen-Free Cryostat
- Vector Magnets: Up to 9-2-2T and 12-3T configurations
- Temperature Range: <1.5K – 400 K
- Temperature Stability: ± 2 mK (< 10 K)
- Variable Temperature Insert (VTI): 50 mm diameter
- Optional Vibration Isolation: For 0.5 Å noise levels
- Software: Fully automated software with scripting features; free lifetime software upgrades



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10. 10^{-10} m



ACCEPTANCE CERTIFICATE FORM

No. _____

Dated: _____

M/s. _____

_____Sub: Certificate of commissioning of equipment

01. This is to certify that the equipment as detailed below has/have been received in good condition along with all the standard and special accessories (subject to remarks in Para 2). The same has been installed and commissioned.

- (a) Contract No. _____ Date _____
- (b) Description of the equipment _____
- (c) Name of the consignee _____
- (d) Scheduled date of delivery of the consignment to the Lab./Instts. _____
- (e) Actual date of receipt of consignment by the Lab./Instts. _____
- (f) Scheduled date for completion of installation/commissioning _____
- (g) Training Starting Date _____
- (h) Training Completion Date _____
- (i) Names of People Trained _____
- (j) Actual date of completion of installation/commissioning _____
- (k) Penalty for late delivery (at Lab./Instts. level) ₹ _____
- (l) Penalty for late installation (at Lab./Instts. level ₹ _____

Details of accessories/items not yet supplied and recoveries to be made on that account:

Sl. No.	Description	Amount to be recovered

02. The acceptance test has been done to our entire satisfaction. The supplier has fulfilled his contractual obligations satisfactorily

or

The supplier has failed to fulfil his contractual obligations with regard to the following:

- (a)
- (b)
- (c)
- (d)

The amount of recovery on account of failure of the supplier to meet his contractual obligations is as indicated at Sr. No. 3.

For Supplier

Signature

Name

Designation

Name of the firm.....

Date

For Purchaser

Signature.....

Name.....

Designation.....

Name of the Lab/Instt.....

Date.....

PERFORMANCE SECURITY FORM
MODEL BANK GUARANTEE FORMAT FOR PERFORMANCE SECURITY

To,

.....

WHEREAS (name and address of the supplier) (hereinafter called "the supplier") has undertaken, in pursuance of contract No. dated to supply (description of goods and services) (herein after called "the contract").

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial bank recognized by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of (amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until the day of, 20.....

(Signature of the authorized officer of the Bank)

.....

Name and designation of the officer

.....

Seal, Name & Address of the Issuing Branch of the Bank

Note: Whenever, the bidder chooses to submit the Performance Security in the form of Bank Guarantee, then he should advise the banker issuing the Bank Guarantee to immediately send by Registered Post (A.D.) an unstamped duplicate copy of the Guarantee directly to the Purchaser with a covering letter to compare with the original BG for the correctness, genuineness, etc.



CSIR-NML

सीएसआईआर - राष्ट्रीय धातुकर्म प्रयोगशाला

(सीएसआईआर की एक संघटक प्रयोगशाला, विज्ञान एवं प्रौद्योगिकी मंत्रालय)

भारत सरकार, बर्मागिंस, जमशेदपुर - 831007, झारखंड (भारत)

CSIR-National Metallurgical Laboratory

(A Constituent Laboratory of CSIR, Ministry of Science & Technology)

Govt. of India, Burmahins, Jamshedpur - 831 007, Jharkhand (India)

PURCHASE ORDER

LASER SCIENCE SERVICES (I) PVT. LTD., A-454, TTC Industrial Area, MIDC, Mahape, Navi Mumbai:400710, Maharashtra, India Email - sales@laserscience.in	P.O. No.	PUR/135/PKM/DB/EQM/2025-26	
	Date	05-08-2026	
	Subject	Purchase Order	
	Ref.:-	1. NML Enquiry No. PUR/135/PKM/DB/EQM/2025-26 published in CPP Portal on 31.12.2025. 2. Quotation Ref. No. LS/CSIRJAM/Q-090226 dt. 06.02.2026. 3. Email dt. 30.04.26, 18.05.26 and 23.07.26 of Laser Science Services (I) Pvt. Ltd., Mumbai .	

Dear Sir,

I am directed to request you to kindly supply, install, commission & impart training on the following material as the enclosed terms & conditions:-

COST OF INDIGENOUS SUPPLIES

Sl. No.	Description	Quantity	Amount (Rs.)
1.	Basic cost of Recirculating Water Chiller, 5kW (Technical Specification attached at Annexure-A)	01 (One) unit	3,90,000.00
2.	GST @ 18% on basic cost of Recirculating Water Chiller	---	70,200.00
3.	Basic Amount of Computer System (Technical Specification attached at Annexure-A) Technical Specification :- i. Windows 11 Operating System ii. i9 Processor PC with up-to-date hardware (16 GB DDR4 RAM & 2 TB Hard Disk) iii. DVD RW driver iv. 24" LCD monitor	01 (One) unit	2,50,000.00
4.	GST @ 18% on basic Amount of Computer System	---	45,000.00
Total FOR CSIR-NML Cost			7,55,200.00

CHARGES OF NON-COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT FOR 3 YEARS

1.	Non Comprehensive AMC Charges for 1 st Year including GST	INR 1,77,000.00
2.	Non Comprehensive AMC Charges for 2 nd Year including GST	INR 1,77,000.00
3.	Non Comprehensive AMC Charges for 3 rd Year including GST	INR 1,77,000.00
Total Charges of Non-Comprehensive Annual Maintenance Contract for 3 Years		INR 5,31,000.00

TOTAL CONTRACT VALUE IN INDIAN CURRENCY (INR)

Sl. No.	Description	Total Price/ INR
1.	Total FOR CSIR-NML Cost for Indigenous Supplies	7,55,200.00
2.	Total Non-Comprehensive AMC Charges for 3 Years including GST	5,31,000.00
TOTAL CONTRACT PRICE		12,86,200.00

This Contract/Purchase Order shall be governed by:-

- (1) General Conditions of Contract and Special Conditions of Contract as detailed in the Bid Document and
- (2) Special Conditions of Contract enclosed with this Purchase Order.

The Order Acknowledgement must be submitted immediately and in any case, within 07 days from the date of placement of this Purchase Order. The Order Acknowledgement shall be made on letterhead of the firm mentioning detailed technical specifications as per Quotation and shall also contains declaration towards acceptance of all the terms & conditions of the Purchase Order.

 07/08/26

Stores & Purchase Officer

For & on behalf of the Council of Scientific & Industrial Research

Encls:

1. Annexure-A (Technical Specification)
2. Annexure-B (Acceptance Certificate Form)
3. Annexure-C (Format of Performance Bank Guarantee)

Explanations

The following words and expressions used in this Tender Document shall have the meanings hereby assigned to them:

Purchaser	Means CSIR-NATIONAL METALLURGICAL LABORATORY, BURMA MINES, JAMSHEDPUR, JHARKHAND - 831007
Manufacturer/Supplier	Means M/s. LASER SCIENCE SERVICES (I) PVT. LTD., Navi Mumbai, Maharashtra, INDIA
Indian Agent	M/s. LASER SCIENCE SERVICES (I) PVT. LTD., Navi Mumbai, Maharashtra, INDIA

1.	Delivery Term	FOR NML Jamshedpur (Door delivery at Warehouse, CSIR-NML, Jamshedpur)
2.	Purchase Order Value / Contract Price	INR 12,86,200.00 (INR TWELVE LAKHS EIGHTY SIX THOUSAND TWO HUNDRED ONLY)
3.	Transportation / Despatch	The ordered goods shall be delivered by Supplier at Warehouse of CSIR-NML, Jamshedpur and duly insured on warehouse to warehouse basis covering all the risks including SRCC and unloading at destination site.
4.	Payment	Payment shall be made in currency of the Contract in the following manner: Payment of INDIGENOUS SUPPLIES shall be made in INR :- 100 percent (Hundred percent) of the Contract Price of Goods received shall be paid by RTGS within thirty (30) days of completion of installation, commissioning, training and acceptance of all the ordered goods and services upon submission of claim supported by the acceptance certificate issued by the Purchaser. Payment terms of AMC for 03 (THREE) Years (Non-Comprehensive in nature):- AMC Charges shall be paid on Yearly basis through RTGS within 30 days after completion of each AMC year subject to satisfactory service certificate given by the concerned user and against submission of bills.
5.	Annual Maintenance Contract	Consecutive 03-years Non-comprehensive AMC (02 preventive + 01 breakdown visit annually) for equipment to be started immediately after expiry of warranty period of 01 year.
6.	Performance Security	The Supplier shall furnish Performance Security for 3% of the contract price excluding AMC Charges, i.e. ₹ 22,656.00 within 21 days of receipt of the notification of award/PO . Other details of Performance Security are detailed at GCC Clause 2.13 of our tender document.
7.	Country of Origin	INDIA
8.	Port of Shipment	By Road.
9.	Road Permit / eWaybill	eWaybill will not be provided by CSIR-NML.
10.	Warranty	1 (One) Year on-site comprehensive warranty from the date of completion of successful Installation, Commissioning, Training and completion of all contractual obligations to the entire satisfaction of this Institute (Purchaser).
11.	Pre-installation visit	Firm's engineer will make the inspection for site readiness prior to shipment to expedite the installation.
12.	Installation & Commissioning	Installation and commissioning of the equipment will be completed by the firm's engineers including acceptance test at site within 45 DAYS from the date of supply of goods. Delay beyond the prescribed period in completion of contractual obligations will attract the imposition of Liquidated Damage Clause as mentioned in this tender document.

13.	Delivery period / Shipment Period	The supplier shall deliver the goods at Transit Stores Section, CSIR-NML, Jamshedpur within 10 (TEN) MONTHS from the date of issuance of the Purchase Order. The delivery of the indigenous goods shall be made in synchronization with the supply of main imported items. Denial Clause (over and above levy of Liquidated Damage): any increase in statutory duties and / or upward rise in prices due to the PVC (Price Variation Clause) clause and / or any adverse fluctuation in foreign exchange are to be borne by the seller during the extended delivery period, while the purchaser reserves the right to get any benefit of a downward revisions in statutory duties, PVC and foreign exchange rate. Except as provided under the Force Majeure clause, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of penalty pursuant to Penalty Clause unless an extension of time is agreed upon pursuant to above clause without the application of penalty clause.
14.	Training	It should be imparted to Seven (07) persons for Five (05) days to the purchaser at purchaser's premises. It should be completed as per schedule mentioned under installation and commissioning.
15.	Acceptance	Supply of goods as per PO.
16.	LD Clause	It will be applicable for delay in delivery / shipment, installation, commissioning and completion of all contractual obligations beyond deadlines as mentioned in the PO.
17.	Certificate for effecting payment	Firm will submit the installation and acceptance certificate indicating the completion of Installation, Commissioning & Training as well as duly signed by the user of CSIR-NML alongwith Invoice for effecting the payment.


 Stores & Purchase Officer

For & on behalf of the Council of Scientific & Industrial Research

SPECIAL CONDITIONS OF CONTRACT (SCC)

The following Special Conditions of Contract (SCC) shall supplement and / or amend the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

SCC 1	The Purchaser is: Director, CSIR-NATIONAL METALLURGICAL LABORATORY, BURMA MINES, JAMSHEDPUR, JHARKHAND - 831007
SCC 2	The Supplier is: M/s. LASER SCIENCE SERVICES (I) PVT. LTD., Navi Mumbai, Maharashtra, INDIA
SCC 5	Final Destination: CSIR-NATIONAL METALLURGICAL LABORATORY, BURMA MINES, JAMSHEDPUR, JHARKHAND - 831007
SCC 6	Order Acknowledgement/Confirmation: The Order Acknowledgement must be submitted immediately and in any case, within 07 days from the date of placement of this Purchase Order. The Order Acknowledgement shall be made on letterhead of the firm mentioning detailed technical specifications as per Quotation and shall also contains declaration towards acceptance of all the terms & conditions of the Purchase Order.
SCC 7	Performance Security: The Supplier shall furnish Performance Security for 3% of the contract price excluding AMC Charges, i.e. ₹ 22,656.00 within 21 days of receipt of the notification of award/PO. Other details of Performance Security are detailed at GCC Clause 2.13 of our tender document.
SCC 8	Delivery / Shipment : The supplier shall deliver the goods at Transit Stores Section, CSIR-NML, Jamshedpur within 10 (TEN) MONTHS from the date of issuance of the Purchase Order. The delivery of the indigenous goods shall be made in synchronization with the supply of main imported items. Denial Clause (over and above levy of Liquidated Damage): any increase in statutory duties and / or upward rise in prices due to the PVC (Price Variation Clause) clause and / or any adverse fluctuation in foreign exchange are to be borne by the seller during the extended delivery period, while the purchaser reserves the right to get any benefit of a downward revisions in statutory duties, PVC and foreign exchange rate. Except as provided under the Force Majeure clause, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of penalty pursuant to Penalty Clause unless an extension of time is agreed upon pursuant to above clause without the application of penalty clause.
SCC 9	Part supply will not be accepted.
SCC 10	The country of origin of the Goods is INDIA
SCC 11	The port of shipment of the Goods is By Road.
SCC 12	The mode of shipment: By Road.
SCC 15	Pre-installation visit Firm's engineer will make the inspection for site readiness prior to shipment to expedite the installation. Installation & Commissioning: Installation and commissioning of the equipment will be completed by the firm's engineers including acceptance test at site within 45 DAYS from the date of supply of goods. Delay beyond the prescribed period in completion of contractual obligations will attract the imposition of Liquidated Damage Clause as mentioned in this tender document.
SCC 16	Training: It should be imparted to Seven (07) persons for Five (05) days to the purchaser at purchaser's premises. It should be completed as per schedule mentioned under installation and commissioning.

SCC 16	Inspection and Tests:- The Inspection tests prior to shipment of goods and at final acceptance at buyer's site. After the goods are manufactured and assembled, inspection and testing of the goods shall be carried out at the Supplier's plant by the Supplier prior to shipment to check whether the goods are in conformity with the technical specifications. Manufacturers Test Certificate with data sheet shall be issued to the effect and submit alongwith delivery documents. The acceptance test will be conducted by the Purchaser, their consultant or other such person nominated by the Purchaser at its option after the equipment is installed at Purchaser's site in the presence of supplier's representatives. The acceptance will involve trouble free operation. There shall not be any additional charges for carrying out acceptance test. No malfunction, partial or complete failure of any part of the equipment is expected to occur. The Supplier shall maintain necessary log in respect of the result of the test to establish to the entire satisfaction of the Purchaser, the successful completion of the test specified. In the event of the ordered item failing to pass the acceptance test, a period not exceeding two weeks will be given to rectify the defects and clear the acceptance test, failing which, the Purchaser reserve the right to get the equipment replaced by the Supplier at no extra cost to the Purchaser. Successful conduct and conclusion of the acceptance test for the installed goods and equipment shall also be the responsibility and at the cost of the Supplier. Before the goods and equipment are taken over by the Purchaser, the Supplier shall supply operation and maintenance Manuals together with Drawings of the goods and equipment built. These shall be in such details as will enable the Purchase to operate, maintain, adjust and repair all parts of the works as stated in the specifications. The Manuals and Drawings shall be in the ruling language (English) and in such form and numbers as stated in the Contract. Unless and otherwise agreed, the goods and equipment shall not be considered to be completed for the purposes of taking over until such Manuals and Drawing have been supplied to the Purchaser. On successful completion of acceptability test, receipt of deliverables, etc. and after the Purchaser is satisfied with the working of the equipment, the acceptance certificate signed by the Supplier and the representative of the Purchaser will be issued. The date on which such certificate is signed shall be deemed to be the date of successful commissioning of the equipment.
SCC 18	Packing: Please refer to Special Conditions of Contract (SCC) of our tender document.
SCC 19	Shipping and other Documents : Please refer to Special Conditions of Contract (SCC) of our tender document.
SCC 20	Mode of dispatch: In case of supplies from within India, the mode of transportation shall be by Road. In case of supplies from abroad, the mode of transportation shall be by Sea.
SCC 21	Insurance: The Insurance in respect of goods to cover all risks including SRCC and unloading of goods at delivery site upto final destination shall be borne by Supplier at its own costs.
SCC 22	Warranty: 1 (ONE) YEAR on-site comprehensive warranty from the date of completion of successful Installation, Commissioning, Training and completion of all contractual obligations to the entire satisfaction of this Institute (Purchaser). Other details of Warranty are detailed at GCC Clause 2.21 of our tender document read with relevant SCC.

SCC 23	Payment : <u>Payment of INDIGENOUS SUPPLIES shall be made in INR :-</u> 100 percent (Hundred percent) of the Contract Price of Goods received shall be paid by RTGS within thirty (30) days of completion of installation, commissioning, training and acceptance of all the ordered goods and services upon submission of claim supported by the acceptance certificate issued by the Purchaser. <u>Payment terms of AMC for 03 (THREE) Years (Non-Comprehensive in nature):-</u> AMC Charges shall be paid on Yearly basis through RTGS within 30 days after completion of each AMC year subject to satisfactory service certificate given by the concerned user and against submission of bills.
SCC 24	Annual Maintenance Contract :- Consecutive 03-years Non-comprehensive AMC (02 preventive + 01 breakdown visit annually) for equipment to be started immediately after expiry of warranty period of 01 year.
SCC 25	Liquidated Damages : Please refer to our tender document under GCC 2.27 read with the relevant SCC.

 07/09/24

Stores & Purchase Officer

For & on behalf of the Council of Scientific & Industrial Research

Laser Science Services (I) Pvt. Ltd.

Bringing Tomorrow's Technology Today[®]

GSTIN: 27AAACL9602L1ZA

[CIN: U 51507 MH 2004 PTC 144383]

A-454, TTC Industrial Area, MIDC, Mahape, Navi Mumbai 400710

Ph.: +91-22-41553232 Fax: +91-22-27781672 / 41553240



Dated: 23-07-2026

To
Stores & Purchase Officer
CSIR-National Metallurgical Laboratory
Jamshedpur-831007

Ref.: CSIR-NML TENDER DOCUMENT REF. NO. PUR/135/PKM/D8/EQM/2025-26 AND CPPP TENDER ID - 2025_CSIR_261204_1

Dear Sir,

With reference to your email dated 23 July 2026 regarding the pricing of the components listed under BOQ items 1.07 and 1.08, kindly find below the requested pricing details.

S.No as per BOQ	Name of the item	Qty	Response from Bidder	Basic Price (INR)	GST @ 18%	Total Including GST
1.07	ANY OTHER CHARGES: BIDDER MUST DESCRIBE THE DETAILS OF ITEMS / SERVICES FOR SUCH CHARGES IN THEIR .PDF FILE	1	Recirculating Water Chiller, 5kW	Rs. 3,90,000.00	Rs. 70,200.00	Rs. 4,60,000.00
1.08	ANY OTHER CHARGES: BIDDER MUST DESCRIBE THE DETAILS OF ITEMS / SERVICES FOR SUCH CHARGES IN THEIR .PDF FILE	1	Computer System • Windows 11 Operating System • i9 Processor PC with up-to-date hardware	Rs. 2,50,000.00	Rs. 45,000.00	Rs. 2,95,000.00

Hope this works. Should you require any additional information, please let me know, I will be glad to assist.

With best regards

For Laser Science Services (I) Pvt Ltd



Dr Tanveer Ahmad Dar
Sr. Business Development Manager

ACCEPTANCE CERTIFICATE FORM

No. _____

Dated: _____

M/s. _____

_____Sub: Certificate of commissioning of equipment

01. This is to certify that the equipment as detailed below has/have been received in good condition along with all the standard and special accessories (subject to remarks in Para 2). The same has been installed and commissioned.

- (a) Contract No. _____ Date _____
- (b) Description of the equipment _____
- (c) Name of the consignee _____
- (d) Scheduled date of delivery of the consignment to the Lab./Instts. _____
- (e) Actual date of receipt of consignment by the Lab./Instts. _____
- (f) Scheduled date for completion of installation/commissioning _____
- (g) Training Starting Date _____
- (h) Training Completion Date _____
- (i) Names of People Trained _____
- (j) Actual date of completion of installation/commissioning _____
- (k) Penalty for late delivery (at Lab./Instts. level) ₹ _____
- (l) Penalty for late installation (at Lab./Instts. level) ₹ _____

Details of accessories/items not yet supplied and recoveries to be made on that account:

Sl. No.	Description	Amount to be recovered

02. The acceptance test has been done to our entire satisfaction. The supplier has fulfilled his contractual obligations satisfactorily

or

The supplier has failed to fulfil his contractual obligations with regard to the following:

- (a)
- (b)
- (c)
- (d)

The amount of recovery on account of failure of the supplier to meet his contractual obligations is as indicated at Sr. No. 3.

For Supplier

Signature

Name

Designation

Name of the firm.....

Date

For Purchaser

Signature.....

Name.....

Designation.....

Name of the Lab/Instt.....

Date.....

**PERFORMANCE SECURITY FORM
MODEL BANK GUARANTEE FORMAT FOR PERFORMANCE SECURITY**

To,

.....
WHEREAS (name and address of the supplier) (hereinafter called "the supplier") has undertaken, in pursuance of contract No. dated to supply (description of goods and services) (herein after called "the contract").

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial bank recognized by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of (amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand. We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until the day of, 20.....

(Signature of the authorized officer of the Bank)

.....
Name and designation of the officer

.....
Seal, Name & Address of the Issuing Branch of the Bank

Note: Whenever, the bidder chooses to submit the Performance Security in the form of Bank Guarantee, then he should advise the banker issuing the Bank Guarantee to immediately send by Registered Post (A.D.) an unstamped duplicate copy of the Guarantee directly to the Purchaser with a covering letter to compare with the original BG for the correctness, genuineness, etc.
