



INDIAN INSTITUTE OF TECHNOLOGY MADRAS
Chennai 600 036



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The Senior Manager (Project Purchase)

Date: 21.06.2022

Open Tender Reference No: ICSR/2022/IOE/006/FESEMEDSEBSD

GEM NAR ID: GEM/GARPTS/15062022/LOCPHSO5T9FO

Due Date/Time: 11.07.2022 @ 3:00 PM

Dear Sir/Madam,

On behalf of the Indian Institute of Technology Madras, Tenders are invited in two bid system from Class-I local suppliers and Class II local suppliers, for the supply of: “**High resolution Field Emission Scanning Electron Microscope (FESEM) with in-situ tension-compression testing attachment.**” Conforming to the specifications given in **Annexure -A.**

Tender Documents may be downloaded from Central Public Procurement Portal <https://etenders.gov.in/e procure/app>. Aspiring Bidders who have not enrolled / registered in e-procurement should enroll / register before participating through the website <https://etenders.gov.in/e procure/app>. The portal enrolment is free of cost. Bidders are advised to go through instructions provided at “**Help for contractors**”. [Special Instructions to the Contractors/Bidders for the e-submission of the bids online through this eProcurement Portal”]

Bidders can access tender documents on the website (For searching in the NIC site, kindly go to Tender Search option and type ‘IIT’. Thereafter, click on “GO” button to view all IIT Madras tenders). Select the appropriate tender and fill them with all relevant information and submit the completed tender document online on the website <https://etenders.gov.in/e procure/app> as per the schedule attached.

<u>1)</u>	Pre-bid Meeting Details	:	The meeting schedule will be intimated later as corrigendum
<u>2)</u>	ICSR Vendor Registration	:	<p><u>Vendor registration code.</u> Vendor registration with IC&SR (IITM) is mandatory for bidders to participate in tenders.</p> <p>** <u>For Vendor Registration & Guidelines, Please follow the website :</u> https://icandsr.iitm.ac.in/vendorportal; Helpdesk: vendorhelpdesk@icsrpis.iitm.ac.in</p>

No manual bids will be accepted. All tender documents including Technical and Financial bids should be submitted in the E-procurement portal.

Last date for receipt of tender	:	11.07.2022 @ 3:00 PM
Date & time of opening of tender	:	12.07.2022 @ 3:00 PM

3. Instructions to the Bidder:

<u>A)</u>	Searching for tender documents	:	<ul style="list-style-type: none"> • There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, organization name, location, date, value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date, other keywords etc. to search for a tender published on the CPP Portal. • Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective “My Tender” folder. This would enable the CPP Portal to intimate the bidders through SMS / email in case there is any corrigendum issued to the tender document. • The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.
<u>B)</u>	Assistance to bidders	:	<ul style="list-style-type: none"> • Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender. • Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is [0120-4200462, 0120-4001002, 0120-4001005]
<u>C)</u>	Enrollment Process to Bidders	:	<p><u>REGISTRATION</u></p> <ul style="list-style-type: none"> • Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal URL:https://etenders.gov.in/eprocure/app by clicking on “Online Bidder Enrollment”. Enrollment on the CPP Portal is free of charge. • As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts. • Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal. • Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.) • Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse. • Bidder then may log in to the site through the secured log-in by entering their user ID / password and the password of the DSC / eToken.

			<ul style="list-style-type: none"> • Possession of a Valid Class II/III Digital Signature Certificate (DSC) in the form of smart card/e-token in the company's name is a prerequisite for registration and participating in the bid submission activities through https://etenders.gov.in/e procure/app • Digital Signature Certificates can be obtained from the authorized certifying agencies, details of which are available in the web site https://etenders.gov.in/e procure/app under the “Information about DSC”.
<u>D)</u>	Preparation of bids	:	<ul style="list-style-type: none"> • Bidder should take into account any corrigendum published on the tender document before submitting their bids. • Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid. • Bidder, in advance, should prepare the bid documents to be submitted as indicated in the tender document / schedule and generally shall be in PDF / XLS formats as the case may be. Bid documents may be scanned with 100 dpi with black and white option. • To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, GSTIN Details, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use “My Documents” area available to them to upload such documents. These documents may be directly submitted from the “My Documents” area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.
<u>E)</u>	Submission of bids	:	<ul style="list-style-type: none"> • Bidder should log into the site well in advance for bid submission so that he/she can upload the bid in time i.e. on or before the bid submission date and time. Bidder will be responsible for any delay due to other issues. • The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document. • Bidder has to select the bid security declaration. Otherwise, the tender will be summarily rejected. • A standard BOQ format has been provided with the tender document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. Bidders are required to download the BOQ file, open it and complete the detail with their respective financial quotes and other details (such as name of the bidder). If the BOQ file is found to be modified by the bidder, the bid will be rejected. • The server time (which is displayed on the bidders’ dashboard) will be considered as the standard time for referencing the deadlines for

		<p>submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.</p> <ul style="list-style-type: none"> • The Tender Inviting Authority (TIA) will not be held responsible for any sort of delay or the difficulties faced during the submission of bids online by the bidders due to local issues. • The uploaded tender documents become readable only after the tender opening by the authorized bid openers. • Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details. • Kindly add scanned PDF of all relevant documents in a single PDF file of compliance sheet. • More information useful for submitting online bids on the CPP Portal may be obtained at: https://etenders.gov.in/eprocure/app. • All tender documents including pre-qualification bid, Technical Bid & Financial Bid should be submitted separately in online CPP portal as per the specified format only. Right is reserved to ignore any tender which fails to comply with the above instructions. No manual bid submission will be entertained.
F)	Marking on Technical Bid	<ul style="list-style-type: none"> • The bidder eligibility criteria, technical specification and supply of item for this tender is given in Annexure A. • The Bidders shall go through the specification and submit the technical bid. • The Technical bid should be submitted in the proforma as per Annexure-B in pdf format only through online (e-tender). No manual submission of bid will be entertained. • The technical bid should have a page-wise heading as “Technical Bid” and page no. in all pages with seal and signature of authorized signatory. The total no. of pages should be mentioned at the last page of the documents. • The technical bid should consist of bidder eligibility criteria details and all technical details along with catalogue/ pamphlet which will give a detailed description of product with technical data sheet so that technical compliance can be verified.
G)	Marking on Price Bid	<ul style="list-style-type: none"> • Financial bid (BoQ) should be submitted in the prescribed proforma format as per Annexure-C in xls format through e-tender only. No manual or other form of submission of Financial Bid will not be entertained

4)	<p>Preparation of Tender: The bidders should submit the bids in two bid system as detailed below.</p> <p>Bid I _Technical Bid</p> <p>The technical bid should consist of bidder eligibility criteria and technical specification compliance sheet as per Annexure-B.</p> <p>Bid II _Price Bid</p> <p>The price bid should be submitted in excel format (BoQ) as per the proforma (Annexure C) uploaded in the e-Tender web site. The Quoted price should be for supply and installation of</p>
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	the item and inclusive of all cost and statutory levies at IIT Madras.
5)	<p>Price:</p> <p>a) The price should be quoted only in INR net per unit (after breakup) and must include all packing, transit insurance and delivery charges to the New Academic Complex Room No 119 IIT Madras. The rate quoted shall be all inclusive of all taxes and no extra payment will be made other than statutory revisions as per the terms and conditions stipulated in this contract document.</p> <p>b) The percentage of tax & duties should be clearly indicated separately. IIT Madras is eligible for concessional GST 5% and custom duty (5.5%). Relevant certificates will be issued wherever necessary.</p> <p>c) The offer/bids should be submitted through online only in two bid system i.e. Technical Bid and Financial Bid separately.</p>
6)	<p>Tenderer shall submit along with this tender:</p> <p>(i) Proof of having ISO or other equivalent certification given by appropriate authorities.</p> <p>(ii) Name and full address of the Banker and their swift code and PAN No. and GSTIN number.</p> <p>(iii) GST registration proof showing registration number, area of registration etc.</p> <p>(iv) All of your future correspondences including Invoices should bear the GST No. and Area Code.</p>
7)	<p>Terms of Delivery:</p> <p>Supplier will be fully responsible for the safe carriage, Installation/Commissioning of goods up to the New Academic Complex Room No 119 IIT Madras., IIT Madras or named place as per PO, Insurance coverage will be in the scope of the supplier.</p> <p>The tenderer should indicate clearly the time required for delivery of the item (subject to the approval of the Executive Committee-IIT-Madras). In case there is any deviation in the delivery schedule, liquidated damages clause will be enforced or penalty for the delayed supply period will be levied.</p> <p>In the event of delay or non-supply of materials/execution of Contract beyond the date of delivery/completion of job. The penalty will be levied @1% per week of delay subject to a max of 10% of the value of purchase order and if the delay is more than accepted time frame by IIT M, the PO would be partially or fully cancelled and liquidated damages will be enforced accordingly.</p>
8)	<p>Period for which the offer will remain open:</p> <p>The Tender shall remain open for acceptance/validity till: 120 days from the date of opening of the tender. However, the day up to which the offer is to remain open being declared closed holiday for the Indian Institute of Technology Madras, the offer shall remain open for acceptance till the next working day.</p>
9)	<p>EMD: The EMD of Rs.5,00,000 to be transferred to the account details mentioned in Annexure D and proof should be enclosed in the Technical Bid. Any offer not accompanied with the EMD shall be rejected summarily as non-responsive.</p> <p>The EMD of the unsuccessful bidders shall be returned within 30 days of the end of the bid validity period. The same shall be forfeited, if the tenderers withdraw their offer after the opening during the bid validity period. The Institute shall not be liable for payment of any interest on EMD.</p> <p>EMD is exempted for Micro and Small Enterprises (MSE) as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME) and Startups as recognized by Department of Industrial Policy & Promotion (DIPP). (MSE/MSME/DIPP PROOF should be enclosed in the cover containing technical bid).</p>

10)	<p>Performance Security: -</p> <p>The successful bidder should submit Performance Security for an amount of 3% of the value of the contract/supply. The Performance Security may be furnished in the form of an Account Payee DD, FD Receipt in the name of “The Registrar, IIT Madras” from any scheduled commercial bank or Bank Guarantee from any scheduled commercial bank in India. The performance security should be furnished within 14 days from the date of the purchase order.</p> <p>Performance Security in the form of Bank Guarantee: - In case the successful bidder wishes to submit Performance Security in the form of Bank Guarantee, the Bank Guarantee should be routed directly to IIT Madras from the Bank.</p> <p>The Bank Guarantee should remain valid for a period of sixty days beyond the date of completion of all contractual obligations of the supplier including the warranty obligations.</p>
11)	For the same tender, either the OEM or the authorized dealer/service provider can only quote. But both of them cannot quote separately for the same tender.
12)	The offers/bids should be sent only for a item/Equipments of latest version that is available in the market and supplied to a number of customers. A list of customers in India with details must accompany the quotations. Quotations for a prototype machine will not be accepted
13)	Original catalogue (not any photocopy) of the quoted model duly signed by the principals must accompany the quotation in the Technical bid.
14)	Compliance or Confirmation report with reference to the specifications and other terms & conditions should also be obtained from the principal/OEM.
15)	<p>Risk Purchase Clause</p> <p>In the event of failure of supply of the item/equipment within the stipulated delivery schedule, the purchaser has all the right to purchase the item/equipment from other sources on the total risk of the supplier under risk purchase clause.</p>
16)	<p>Payment:</p> <p>(i) No Advance payment will be made. However, 90% Payment against Delivery and 10% after installation are agreed to wherever the installation is involved.</p> <p>(ii) Advance Payment: No advance payment is generally admissible. In case a specific percentage of advance payment is required, the Vendor has to submit a Bank Guarantee from a scheduled commercial bank in India equivalent to the amount of advance payment.</p>
17)	<p>On-site Installation:</p> <p>The equipment/item or Machinery has to be installed or commissioned by the successful bidder within the number of days (as prescribed by PI) from the date of receipt of the item at the site of IIT Madras.</p>
18)	<p>Warranty/Guarantee:</p> <p>The offer should clearly specify the warranty or guarantee period for the machinery/equipment. Any extended warranty offered for the same has to be mentioned separately (For more details please refer our Technical Specifications).</p> <p>** Note: PO which involves installation, warranty/guarantee shall be applicable from date of installation.</p>
19)	<p>Acceptance and Rejection:</p> <p>Failure to comply with any of the instructions stated in this document or offering unsatisfactory explanations for non-compliance will likely to lead to rejection of offers.</p> <p>I.I.T. Madras has the right to accept the whole or any part of the Tender or portion of the quantity offered or reject it in full without assigning any reason.</p>

20)	<p>Debarment from Bidding:</p> <p>In case of breach of Terms & Conditions, Bidder may be suspended from being eligible for bidding in any contract with the IIT Madras up to 2 Years [as per Rule 151(iii) of GFR] from the date of Tender.</p>
21)	<p>Disputes and Jurisdiction:</p> <p>Settlement of Disputes: Any dispute, controversy or claim arising out of or in connection with this PO including any question regarding its existence, validity, breach or termination, shall in the first instance be attempted to be resolved amicably by both the Parties. If attempts for such amicable resolution fails or no decision is reached within 30 days whichever is earlier, then such disputes shall be settled by arbitration in accordance with the Arbitration and Conciliation Act, 1996. Unless the Parties agree on a sole arbitrator, within 30 days from the receipt of a written request by one Party from the other Party to so agree, the arbitral panel shall comprise of three arbitrators. In that event, the supplier will nominate one arbitrator and the Project Coordinator of IITM shall nominate an arbitrator. The Dean IC&SR will nominate the Presiding Arbitrator of the arbitral tribunal. The arbitration proceeding shall be carried out in English language. The cost of arbitration and fees of the arbitrator(s) shall be shared equally by the Parties. The seat of arbitration shall be at IC&SR IIT Madras, Chennai.</p> <p>a. The Applicable Law: The Purchase Order shall be construed, interpreted and governed by the Laws of India. Court at Chennai shall have exclusive jurisdiction subject to the arbitration clause.</p> <p>b. Any legal disputes arising out of any breach of contract pertaining to this tender shall be settled in the court of competent jurisdiction located within the city of Chennai in Tamil Nadu.</p>
22)	<p>Force Majeure: The Supplier shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.</p> <p>For purposes of this Clause, “Force Majeure” means an event beyond the control of the Supplier and not involving the Supplier’s fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the Purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.</p> <p>If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.</p>
23)	<p>Eligibility Criteria:</p> <ul style="list-style-type: none"> ➤ As per the Government of India Order, only “Class - I Local Suppliers” and “Class - II Local Suppliers” <u>can participate in this tender.</u> ➤ <u>Bidder should confirm their acceptance that they comply with the provisions with report to “Guidelines for eligibility of a bidder from a country which shares a land border with India as detailed at Annexure-F. The bidder should submit Certificate for “Bidder from/ Not from Country sharing Land border with India & Registration of Bidder with Competent Authority” as per Order of DoE F.No.6/18/2019-PPD dated 23.07.2020 as mentioned.</u>
24)	<p>Preference to “class I Local Suppliers”: preference will be given to “class I local suppliers” (subject to class -I local supplier’s quoted price falling within the margin of purchase preference) as per public procurement (preference to make in India) order 2017 .O.M No P- 45021/2/2017 – pp(BE - 11) dt 04/06/2020 subject to the conditions that the “class I Local Supplier” should agree to supply goods / provide service at L1 rate and furnish a certificate with the technical bid document that the goods/service provided by them consists local content equal to or more than 50%.(certificate from</p>

	<p>Chartered Accountant in case value of contract exceeds Rs 10 crore).</p> <ul style="list-style-type: none"> ➤ ‘Class - I local supplier’ means a supplier or service provider whose goods, services or works offered for procurement consists of local content equal to or more than 50% as defined under the above said order. Declaration to be provided as per Annexure-II per item/service/work. ➤ ‘Class - II local supplier’ means a supplier or service provider whose goods, services or works offered for procurement consists of local content equal to 20% but less than 50% as defined under the above said order. Declaration to be provided as per Annexure-II per item/service/work. ➤ ‘Margin of purchase preference’: - The margin of purchase preference shall be 20%. The Definition of the margin of purchase preference is defined in the Govt. of India Order No: P-45021/12/2017-PP (BE-II) Dt.4th June, 2020) Order 2017. As per the Government of India Order – “Margin of Purchase Preference” means the maximum extent to which the price quoted by a “Class-I local supplier” may be above the L1 for the purpose of purchase preference. <p>**Note: Local content percentage to be calculated in accordance with the definition provided at clause 2 of revised public procurement preference to Make in India Policy vide GoI Order no. P-45021/2/2017-PP (B.E.-II) dated 15.06.2017 (subsequently revised vide orders dated 28.05.2018, 29.05.2019 and 04.06.2020) MOCI order No. 45021/2/2017-PP (BE II) Dt.16th September 2020 & P-45021/102/2019-BE-II-Part(1) (E-50310) Dt.4th March 2021</p>
25)	<p>Evaluation of Bids</p> <p>Bid evaluation will take place in two stages.</p> <p>Stage I Technical Bid evaluation</p> <p>All bidders who have fully complied with bidder eligibility criteria I,II and technical evaluation (Annexure A) will only be considered for opening of price bid.</p> <p>Stage II: Price Bid Evaluation</p> <p>The price bid evaluation will be based on price quoted by the bidder. The rate quoted for High resolution Field Emission Scanning Electron Microscope (FESEM) with in-situ tension-compression testing attachment. unit will alone be taken up for arrival of Lowest Bid (L1) value.</p>
26)	<p>Selection of successful bidder and Award of Order</p> <p>The order will be directly awarded to the technically qualified bidder as per the condition in para 3A of DIPP, MoCI Order No. 45021/2/2017-PP (BE II) dated 16th September 2020.</p>
27)	<p>All information including selection and rejection of technical or financial bids of the prospective bidders will be communicated through e-Tender portal. In terms of Rule 173(iv) of General Financial Rule 2017, the bidder shall be at liberty to question the bidding conditions, bidding process and/or rejection of bids.</p>
28)	<p>The tenderer shall certify that the tender document submitted by him / her are of the same replica of the tender document as published by IIT Madras and no corrections, additions and alterations made to the same. If any deviation found in the same at any stage and date, the bid / contract will be rejected / terminated and actions will be initiated as per the terms and conditions of the contract.</p>
29)	<p>Due to Covid-19 pandemic pre-bid meeting will be conducted through online. Clarification to the queries and doubts raised by the bidders will be issued as a corrigendum/addendum in the e-tenders portal.</p>
30)	<p>Due to Covid-19 pandemic the bidders will not be entertained to participate in opening of Bids. Since the tender is e-tender, the opening of the bids may be checked using the respective logins of the bidders.</p>

ACKNOWLEDGEMENT

It is hereby acknowledged that I/We have gone through all the points listed under “Specification, Guidelines, Terms and Conditions” of tender document. I/We totally understand the terms and conditions and agree to abide by the same.

**SIGNATURE OF TENDERER ALONG WITH SEAL OF
THE COMPANY WITH DATE**

Bidder Eligibility Criteria and Technical Specification for High resolution Field Emission Scanning Electron Microscope (FESEM) with in-situ tension-compression testing attachment.

Tender No. ICSR/2022/IOE/006/FESEMEDSEBSD

Bidder Eligibility Criteria – I (Public Procurement – Preference to Make in India)

Only 'Class-I local suppliers' and 'Class-II local suppliers', as defined under DIPP, MoCI Order No. P-45021/2/2017-PP (BE-II) dated 16th September 2020 and other subsequent orders issued therein.

Bidder Eligibility Criteria – II

A) Equipment offered must be a model from the current serial production range of the manufacturer. Customized or One off Manufactured Model will not be accepted. Offer should be supported with printed catalogue / depiction on company website.

B) The local vendor/OEM must have supplied at least 5 of the quoted model to IITs, IISERs, IISc and other Govt. of India organizations. Please attach the purchase order copies of supplies in last 3 years with contact details (Name, Phone, email address) of users.

C) The company or companies (for combined quotations) should be original equipment manufacturers (OEMs) of the quoted systems. Please attach exclusive authorization certificate(s) specific for this tender with quote as per (Annexure G), without which bid will be rejected.

III. TECHNICAL SPECIFICATION for

High resolution Field Emission Scanning Electron Microscope (FESEM) with in-situ tension-compression testing attachment.

S. no	Features	Specification
1	Resolution	0.8 nm or better @ 15 kV or 30 kV in high vacuum 0.8 nm or better @ 15 kV or 30 kV in STEM mode Above resolutions to be achieved without application of external bias on sample/stage
2	Vacuum	The FEG SEM should operate in High-vacuum mode ($< 1 \times 10^{-4}$ Pa in chamber) Features of the oil free vacuum system which include turbo-molecular, scroll, rotary, PVP and ion getter pumps with seamless transition between the different vacuum modes.
3	Electron Gun / Column	High Stability Schottky Field Emission Electron Source with automated filament cutoff safety device Beam acceleration or deceleration upto 4 kV or higher in column for achieving high resolution images at low kVs
4	Magnification	Lower mag. $\times 10$ or less Higher Mag. $\times 1,000,000$ or more
5	High Tension	Lower limit: 20V, Higher limit: 20 or 30 kV and any chosen intermediate value. All the kV settings should be varied through software
6	Chamber	a) Chamber should have at least 12 accessory ports, b) Infrared chamber scope (IRCCD) for real time view c) Integrated plasma cleaner d) Navigation camera for easy sample identification e) Large enough to accommodate in-situ mechanical testing attachments (specifications given in S. No. 29 and 30)
7	Stage	5 axis motorized Eucentric stage type with X and Y of 100 mm or more and Z-axis = 50 mm or more, Tilt = -3° to $+70^\circ$ or better. Manual Joystick as well as software control for stage movement Compatible to accommodate in-situ mechanical testing attachments (specifications given in S. No. 29 and 30)

8	Sample holders for SEM/STEM imaging	<p>a) Multiple sample holder that houses at least 10 stubs to be provided. The sample holder should accommodate samples of varying sizes in the range 1 mm to 10 mm or larger</p> <p>b) Sample holders for STEM imaging (2 Nos.)</p>
9	Electron Optics, Lenses	The system must have electromagnetic and electrostatic assembly for high resolution imaging of ferromagnetic materials. The lenses should be thermally stabilized. Electron channeling contrast imaging (ECCI) should be possible with the supplied optics
10	Lens correction	Manual and auto focus/contrast brightness, astigmatism, wobbling corrections
11	Probe Current	Adjustable range from minimum: 3pA or less and maximum of 40nA or higher, Noise < 1%, Drift < 0.2%/hour
12	Detectors / image processor	<p>Standard ET secondary electron (SE) imaging detector or equivalent. In-lens SE and BSE detector or equivalent for high resolution imaging in high vacuum. Pneumatically retractable angular selective annular and 4 or more segmented BSE detectors for compositional and crystallographic contrast Pneumatically retractable STEM detector for BF / DF and HAADF imaging File type: TIFF (8-, 16-, 24-bit), JPEG or BMP Single-frame or 4-view image display 256-frame average or integration, line integration and averaging, interlaced scanning) drift compensated frame integration mode Digital image improvement and noise reduction filter</p>
13	User Interface	Computer controlled user friendly interface for the smooth routine operation of microscope
14	Computer and software	2 State of the art computer systems with suitable processors and communication ports (one each for SEM-EDS) with 64 bit Windows 10 PRO or similar operating system and at least 24 inch LED monitors. The systems should have minimum 3 GHz or better processor; 64 GB or higher RAM; 10 TB or higher HDD.
15	EDS-Detector EBSD-TKD Detectors/Sample holders	<p>The state-of-the-art EDS-EBSD-TKD system should be fully integrated and should work on the same User Interface and should consist of the following:</p> <p><u>EDS detector:</u> Should be easily retractable (motorized) to a safe position when not in use. Peltier cooled silicon drift detector (SDD) with pulse processor, Active detector area 30mm² or larger, and energy resolution of 125eV or better at Mn K alpha. Detection of elements down to Beryllium and quantification from Boron onwards, Robust EDS detector window with Silicon nitride or similar material.</p> <p><u>EBSD-TKD detectors:</u> Camera Speed: 4500 or higher indexed patterns per second on Ni standard at beam currents ≥ 2 nA, Motorized, high-precision camera slide, Touch sensor for collision prevention, Integrated Forward Scatter Detector, SEM interface for camera should contain standard features Compatible with in-situ heating stage upto 800°C, in-situ mechanical testing upto 800°C with suitable thermal protection if required</p> <p><u>EBSD-TKD sample holders</u></p>

		Pre-tilted sample holder for EBSD (4 Nos.) and TKD sample holder (2 Nos.)
16	EDS-EBSD Software	<p>Qualitative and quantitative spectrum analysis for accurate peak identification, background subtraction and automatic peak evaluation</p> <p>Deconvolution of spectra for separate element contributions</p> <p>Quantification software must have options for ZAF or similar corrections</p> <p>User interactive qualitative and standardless quantification with K, L, M, N line database. Quantification of elements from Boron in point, Line Scan, Mapping. Real time elemental mapping with auto elemental identification, quantification based on ZAF or similar correction algorithms. Quantification of phases.</p> <p>Spectral imaging with up to 4096×4096 pixel resolution, online deconvolution and pseudo color mapping. Storing of spectrums at each point during mapping for online and offline analysis (2 offline licenses).</p> <p>Display of quantitative results as atomic and weight percentage of points, area. Multi-points, lines, maps; Color-coded concentration distributions (element maps, phase maps) for any number of elements within an arbitrary field of view.</p> <p>EBSD-TKD data collection software. EBSD-TKD data analysis software (with 6 offline licenses) should include for grain size, phase, orientation, mis-orientation and texture analysis. Should have suitable materials databases for metals, alloys, intermetallic, ceramics and polymers.</p> <p>Export of results to MS® Word, Excel and pdf.</p>
17	Calibration standard sample	Standard samples to be provided for calibration of SEM-EDS-EBSD
18	Essential Consumables	The quote should provide consumables (FEG tip, apertures, vacuum pump related spare parts) and any other parts for smooth operation for 5 years)
19	Essential Accessories	<p>a) Vibration and noise free chiller</p> <p>b) Compressor for pneumatic systems of the microscope</p> <p>c) Suitable vibration isolation system, EMI active cancellation system to achieve the required specifications for the instrument</p> <p>d) Suitable UPS for 1 hour of back up</p> <p>e) Broad beam Argon milling tool (ONLY MILLING) for the high quality EBSD surface polishing with cold stage to cool the sample with liquid nitrogen.</p> <p>Suitable connectors to connect to Argon cylinders. Suitable liquid Nitrogen container and related accessories for cooling sample. Temperature controlled liquid nitrogen specimen cooling stage. Oil free dry pumping system to achieve vacuum or 10^{-8} bar or better. Facility for easy sample loading with sample rotation and adjustable beam diameter; Variable energy range from 0.1 keV to 8 keV. color touchscreen control: Fast, simple access to all control parameters; Sample size 30 mm diameter \times 15 mm height or more; Milling angle $0 - 18^\circ$ (Independent gun adjustment); Real-time operation view during milling and store images for correlation with SEM analysis. Ion current density upto $10 \text{ (mA/cm}^2\text{)}$ or more.</p>
20	Power supply:	All equipment should operate with 220 V, 50 Hz power supply
21	Warranty	Warranty and AMC (from the date of full installation) for 5 years along with free software upgrades for the entire system including all the attachments
22	Documentation	Vendor should specify the model number of the FESEM and submit the brochure that supports all the quoted specifications
23	Operation & maintenance manuals	Online user support, Soft copy of the operation & maintenance manuals should be provided
24	Availability of	The vendor has to guarantee that all the spares for the offered FESEM and

	spares parts	attachments will be available for at least next 10 years
25	Installation & training	Onsite installation, demonstration of all specifications quoted. Training for 5 users in the operation of the FESEM and all the attachments for 5 days
26	Service Support and operation	The OEMs should have trained engineers preferably in Chennai for service and repair and attend to the issue within 48 hours of the notification of the service complaint. Provide the list of service engineers, Provision for remote diagnostics with OEM factory should be available Provide a trained operator for a period of 5 years
27	Pre-installation requirement(civil &electrical, EMI and gas, etc.)	Should be mentioned along with offer. Free survey of vibration and EMI at site and provide the results of the survey and the necessary modifications if required for achieving best results
28	Other essential requirements	Should be compatible to install existing heating stage (Model Murano 525, make Gatan, 2018 (working)). Provide necessary hardware (flanges, O-rings, gaskets etc.) if any for the integration. Should do the integration, operation, and training after installing heating stage on the FESEM
29	In-situ mechanical testing attachments	<ul style="list-style-type: none"> In-Situ tensile/the ompression testing stage with EBSD compatibility from room temperature to 800°C Load capacity upto 5 kN at room temperature with load cells of 200 N, 1kN and 5 kN The loading rates should be in the range of 1 µm to 30 µm per second or higher Should hold samples upto 60 mm in length. Suitable clamps / grips for holding flat dog-bone samples of 0.1-1 mm thickness The entire testing should be controlled through a software and suitable data acquisition to acquire load, stroke and strain. Should have ability to interrupt the test at any given force, strain and displacement to perform EBSD. Suitable computer for control and data acquisition to be provided. Automated tensile and/or heating experiments through software control, Automatic feature tracking, Configurable result graphs, Sample exchange wizard, Multiple regions of interest (ROIs) with arbitrary imaging or analytical parameters, Digital Image Correlation software for local strain analysis
30	In-situ pico-indentation testing system (Optional)	<ul style="list-style-type: none"> In-situ pico indentation/nano-scratch testing with load range of 10 mN to 3.5 N with displacement upto 150 µm, Sample positioning sensitivity of 1nm or better. Automated indentation capability of large area of at least 1mm². Facility to do EBSD/TKD/STEM analysis post-indentation. Rotation and tilt compatible stage. Capability to mount multiple samples (3 or more)
32	Consumables for sample preparation and handling (Optional)	<ul style="list-style-type: none"> Provide sample preparation tools (100 numbers each of Al stubs of 12.7 mm and 25.4 mm diameter), SEM Pin Stub Mount Gripper Tweezers, 30° angle 4 Numbers), Tweezer Style Mount Gripper for Grooved 25mm stubs, 45° angle 4 Nos) Consumables i.e., 2 rolls each of 6 mm wide carbon tape, copper tape and 2 nos. conducting Silver paint and thinner of 25 ml each
31	Buy back	<ul style="list-style-type: none"> Buy-back offer for the existing FESEM (model Inspect F Thermofisher/FEI make installed in 2009) (Currently in working condition) Buy-back offer of existing EDS (Elect Plus model, make Ametek) and EBSD camera (Velocity plus model, Ametek make) installed in 2019 June. (In working condition) Buy-back offer for precision etching and coating system (model 682, make GATAN Inc. installed in 2008) (in working condition)

TECHNICAL BID PROFORMA

Tender No. ICSR/2022/IOE/006/FESEMEDSEBSD

Item Name: High resolution Field Emission Scanning Electron Microscope (FESEM) with in-situ tension-compression testing attachment.

1.0 Bidder Eligibility Criteria:

I	Bidder Eligibility Criteria-I (Public Procurement – Preference to Make in India)	Class I / Class II	Local Content value	Reference, Page No.
I	Only 'Class-I local suppliers' and 'Class-II local suppliers', as defined under DIPP, MoCI Order No. P-45021/2/2017-PP (BE II) dated 16 th September 2020 and other subsequent orders issued therein.			
2	Bidder Eligibility Criteria-II	Compliance (Yes/No)	Reference Page No.	Remarks, If any
1	Equipment offered must be a model from the current serial production range of the manufacturer. Customized or One off Manufactured Model will not be accepted. Offer should be supported with printed catalogue / depiction on company website.			
2	The local vendor/OEM must have supplied at least 5 of the quoted model to IITs, IISERs, IISc and other Govt. of India organizations. Please attach the purchase order copies of supplies in last 3 years with contact details (Name, Phone, email address) of users.			
3	The company or companies (for combined quotations) should be original equipment manufacturers (OEMs) of the quoted systems. Please attach exclusive authorization certificate(s) specific for this tender with quote as per (Annexure G), without which bid will be rejected.			

3.0 Technical Compliance:

S. no	Features	Specification	COMPLIED/NOT COMPLIED	CATALOGUE PAGE NO
1	Resolution	0.8 nm or better @ 15 kV or 30 kV in high vacuum 0.8 nm or better @ 15 kV or 30 kV in STEM mode Above resolutions to be achieved without application of external bias on sample/stage		
2	Vacuum	The FEG SEM should operate in High-vacuum mode ($< 1 \times 10^{-4}$ Pa in chamber) Features of the oil free vacuum system which include turbo-molecular, scroll, rotary, PVP and ion getter pumps with seamless transition between the different vacuum modes.		
3	Electron Gun / Column	High Stability Schottky Field Emission Electron Source with automated filament cutoff safety device wBeam acceleration or deceleration upto 4 kV or higher in column for achieving high resolution images at low kVs		

4	Magnification	Lower mag. $\times 10$ or less Higher Mag. $\times 1,000,000$ or more		
5	High Tension	Lower limit: 20V, Higher limit: 20 or 30 kV and any chosen intermediate value. All the kV settings should be varied through software		
6	Chamber	b) Chamber should have at least 12 accessory ports, b) Infrared chamber scope (IRCCD) for real time view c) Integrated plasma cleaner d) Navigation camera for easy sample identification e) Large enough to accommodate in-situ mechanical testing attachments (specifications given in S. No. 29 and 30)		
7	Stage	5 axis motorized Eucentric stage type with X and Y of 100 mm or more and Z-axis = 50 mm or more, Tilt = -3° to +70° or better. Manual Joystick as well as software control for stage movement Compatible to accommodate in-situ mechanical testing attachments (specifications given in S. No. 29 and 30)		
8	Sample holders for SEM/STEM imaging	c) Multiple sample holder that houses at least 10 stubs to be provided. The sample holder should accommodate samples of varying sizes in the range 1 mm to 10 mm or larger d) Sample holders for STEM imaging (2 Nos.)		
9	Electron Optics, Lenses	The system must have electromagnetic and electrostatic assembly for high resolution imaging of ferromagnetic materials. The lenses should be thermally stabilized. Electron channeling contrast imaging (ECCI) should be possible with the supplied optics		
10	Lens correction	Manual and auto focus/contrast brightness, astigmatism, wobbling corrections		
11	Probe Current	Adjustable range from minimum: 3pA or less and maximum of 40nA or higher, Noise < 1%, Drift < 0.2%/hour		
12	Detectors / image processor	Standard ET secondary electron (SE) imaging detector or equivalent. In-lens SE and BSE detector or equivalent for high resolution imaging in high vacuum. Pneumatically retractable angular selective annular and 4 or more segmented BSE detectors for compositional and crystallographic contrast Pneumatically retractable STEM detector for BF / DF and HAADF imaging File type: TIFF (8-, 16-, 24-bit), JPEG or BMP Single-frame or 4-view image display 256-frame average or integration, line integration and averaging, interlaced scanning) drift compensated frame integration mode Digital image improvement and noise reduction filter		
13	User Interface	Computer controlled user friendly interface for the smooth routine operation of microscope		

14	Computer and software	2 State of the art computer systems with suitable processors and communication ports (one each for SEM-EDS) with 64 bit Windows 10 PRO or similar operating system and at least 24 inch LED monitors. The systems should have minimum 3 GHz or better processor; 64 GB or higher RAM; 10 TB or higher HDD.		
15	EDS-Detector EBSD-TKD Detectors/Sample holders	<p>The state-of-the-art EDS-EBSD-TKD system should be fully integrated and should work on the same User Interface and should consist of the following:</p> <p><u>EDS detector:</u></p> <p>Should be easily retractable (motorized) to a safe position when not in use. Peltier cooled silicon drift detector (SDD) with pulse processor, Active detector area 30mm² or larger, and energy resolution of 125eV or better at Mn K alpha. Detection of elements down to Beryllium and quantification from Boron onwards, Robust EDS detector window with Silicon nitride or similar material.</p> <p><u>EBSD-TKD detectors:</u></p> <p>Camera Speed: 4500 or higher indexed patterns per second on Ni standard at beam currents ≥ 2 nA, Motorized, high-precision camera slide, Touch sensor for collision prevention, Integrated Forward Scatter Detector, SEM interface for camera should contain standard features</p> <p>Compatible with in-situ heating stage upto 800°C, in-situ mechanical testing upto 800°C with suitable thermal protection if required</p> <p><u>EBSD-TKD sample holders</u></p> <p>Pre-tilted sample holder for EBSD (4 Nos.) and TKD sample holder (2 Nos.)</p>		
16	EDS-EBSD Software	<p>Qualitative and quantitative spectrum analysis for accurate peak identification, background subtraction and automatic peak evaluation</p> <p>Deconvolution of spectra for separate element contributions</p> <p>Quantification software must have options for ZAF or similar corrections</p> <p>User interactive qualitative and standardless quantification with K, L, M, N line database. Quantification of elements from Boron in point, Line Scan, Mapping. Real time elemental mapping with auto elemental identification, quantification based on</p>		

		<p>ZAF or similar correction algorithms. Quantification of phases.</p> <p>Spectral imaging with up to 4096×4096 pixel resolution, online deconvolution and pseudo color mapping. Storing of spectrums at each point during mapping for online and offline analysis (2 offline licenses).</p> <p>Display of quantitative results as atomic and weight percentage of points, area. Multi-points, lines, maps; Color-coded concentration distributions (element maps, phase maps) for any number of elements within an arbitrary field of view.</p> <p>EBSD-TKD data collection software. EBSD-TKD data analysis software (with 6 offline licenses) should include for grain size, phase, orientation, mis-orientation and texture analysis. Should have suitable materials databases for metals, alloys, intermetallic, ceramics and polymers.</p> <p>Export of results to MS® Word, Excel and pdf.</p>		
17	Calibration standard sample	Standard samples to be provided for calibration of SEM-EDS-EBSD		
18	Essential Consumables	The quote should provide consumables (FEG tip, apertures, vacuum pump related spare parts) and any other parts for smooth operation for 5 years)		
19	Essential Accessories	<p>a) Vibration and noise free chiller</p> <p>b) Compressor for pneumatic systems of the microscope</p> <p>c) Suitable vibration isolation system, EMI active cancellation system to achieve the required specifications for the instrument</p> <p>d) Suitable UPS for 1 hour of back up</p> <p>e) Broad beam Argon milling tool (ONLY MILLING) for the high quality EBSD surface polishing with cold stage to cool the sample with liquid nitrogen.</p> <p>Suitable connectors to connect to Argon cylinders. Suitable liquid Nitrogen container and related accessories for cooling sample. Temperature controlled liquid nitrogen specimen cooling stage. Oil free dry pumping system to achieve vacuum or 10^{-8} bar or better. Facility for easy sample loading with sample rotation and adjustable beam diameter; Variable energy range from 0.1 keV to 8 keV. color touchscreen control: Fast, simple access to all control parameters; Sample size 30 mm diameter \times 15 mm height or more; Milling angle $0 - 18^\circ$ (Independent gun adjustment); Real-time operation view during milling and store images for correlation with SEM analysis. Ion current density upto $10 \text{ (mA/cm}^2\text{)}$ or more.</p>		
20	Power supply:	All equipment should operate with 220 V, 50 Hz power supply		
21	Warranty	Warranty and AMC (from the date of full installation) for 5 years along with free software upgrades for the entire system including all the		

		attachments		
22	Documentation	Vendor should specify the model number of the FESEM and submit the brochure that supports all the quoted specifications		
23	Operation & maintenance manuals	Online user support, Soft copy of the operation & maintenance manuals should be provided		
24	Availability of spares parts	The vendor has to guarantee that all the spares for the offered FESEM and attachments will be available for at least next 10 years		
25	Installation & training	Onsite installation, demonstration of all specifications quoted. Training for 5 users in the operation of the FESEM and all the attachments for 5 days		
26	Service Support and operation	The OEMs should have trained engineers preferably in Chennai for service and repair and attend to the issue within 48 hours of the notification of the service complaint. Provide the list of service engineers, Provision for remote diagnostics with OEM factory should be available Provide a trained operator for a period of 5 years		
27	Pre-installation requirement (civil & electrical, EMI and gas, etc.)	Should be mentioned along with offer. Free survey of vibration and EMI at site and provide the results of the survey and the necessary modifications if required for achieving best results		
28	Other essential requirements	Should be compatible to install existing heating stage (Model Murano 525, make Gatan, 2018 (working)). Provide necessary hardware (flanges, O-rings, gaskets etc.) if any for the integration. Should do the integration, operation, and training after installing heating stage on the FESEM		
29	In-situ mechanical testing attachments	In-Situ tensile/the ompression testing stage with EBSD compatibility from room temperature to 800°C Load capacity upto 5 kN at room temperature with load cells of 200 N, 1kN and 5 kN The loading rates should be in the range of 1 µm to 30 µm per second or higher Should hold samples upto 60 mm in length. Suitable clamps / grips for holding flat dog-bone samples of 0.1-1 mm thickness The entire testing should be controlled through a software and suitable data acquisition to acquire load, stroke and strain. Should have ability to interrupt the test at any given force, strain and displacement to perform EBSD. Suitable computer for control and data acquisition to be provided. Automated tensile and/or heating experiments through software control, Automatic feature tracking, Configurable result graphs, Sample exchange wizard, Multiple regions of interest		

		(ROIs) with arbitrary imaging or analytical parameters, Digital Image Correlation software for local strain analysis		
30	In-situ pico-indentation testing system (Optional)	In-situ pico indentation/nano-scratch testing with load range of 10 mN to 3.5 N with displacement upto 150 µm, Sample positioning sensitivity of 1nm or better. Automated indentation capability of large area of at least 1mm ² . Facility to do EBSD/TKD/STEM analysis post-indentation. Rotation and tilt compatible stage. Capability to mount multiple samples (3 or more)		
32	Consumables for sample preparation and handling (Optional)	<ul style="list-style-type: none"> • Provide sample preparation tools (100 numbers each of Al stubs of 12.7 mm and 25.4 mm diameter), • SEM Pin Stub Mount Gripper Tweezers, 30° angle 4 Numbers), • Tweezer Style Mount Gripper for Grooved 25mm stubs, 45° angle 4 Nos) • Consumables i.e., 2 rolls each of 6 mm wide carbon tape, copper tape and 2 nos. conducting Silver paint and thinner of 25 ml each 		
31	Buy back	<ul style="list-style-type: none"> • Buy-back offer for the existing FESEM (model Inspect F Thermofisher/FEI make installed in 2009) (Currently in working condition) • Buy-back offer of existing EDS (Elect Plus model, make Ametek) and EBSD camera (Velocity plus model, Ametek make) installed in 2019 June. (In working condition) • Buy-back offer for precision etching and coating system (model 682, make GATAN Inc. installed in 2008) (in working condition) 		

**SIGNATURE OF BIDDER ALONG WITH
SEAL OF THE COMPANY WITH DATE**

FINANCIAL BID (PROFORMA) - BILL OF QUANTITIES (BOQ)

Item Name: High resolution Field Emission Scanning Electron Microscope (FESEM) with in-situ tension-compression testing attachment.

Tender No. ICSR/2022/IOE/006/FESEMEDSEBSD

It. No	Description of work	Quantity	Units	Basic Rate in INR	GST in Percentage	Total Amount with taxes in INR
1	Cat (A) -Items to be supply and installation					
1.1	High resolution Field Emission Scanning Electron Microscope (FESEM) with in-situ tension-compression testing attachment.	1	Nos.			
2	Cat (B) - Buy Back Items					
2.1	Buy-Back (ie minus)offer for the existing FESEM (model Inspect F Thermofisher/FEI make installed in 2009) (Currently in working condition)	1	Nos.			
2.2	Buy-Back (ie minus) of existing EDS (Elect Plus model, make Ametek) and EBSD camera (Velocity plus model, Ametek make) installed in 2019 June. (In working condition)	1	Nos.			
2.3	Buy-Back (ie minus) offer for precision etching and coating system (model 682, make GATAN Inc. installed in 2008) (in working condition)	1	Nos.			
	Grand Total					

Total Amount Rupees in words _____

Note: The bidder must mandatorily quote for buyback.



CENTRE FOR INDUSTRIAL CONSULTANCY & SPONSORED RESEARCH (IC&SR)
INDIAN INSTITUTE OF TECHNOLOGY MADRAS
CHENNAI 600 036



ELECTRONIC CLEARING SERVICE (Credit Clearing)/ REAL TIME GROSS SETTLEMENT (RTGS) FACILITY FOR RECEIVING PAYMENTS

A. Details of Account Holder

Name of the Institution	Indian Institute of Technology - Madras
Complete Contact Address	Industrial Consultancy and Sponsored Research Indian Institute of Technology-Madras, IIT- Madras Campus Post Office, Sardar Patel Road, Guindy, CHENNAI - 600 036
Telephone No./ Fax No.	Tel - 044-2257 8356
E- mail ID of the FO/AO/REG/DIR	dricrs@iitm.ac.in

B. Bank Account Details:

Institution Account Name (As per Bank Record)	The Registrar, Indian Institute of Technology - Madras
Account No.	2722101003872
Account Print Name	IIT F A/C , The Registrar IIT Madras
IFSC CODE	CNRB0002722
Bank Name (in full)	Canara Bank
Branch Name	IIT-Madras Branch
Complete Branch Address	Canara Bank, IIT-Madras Branch, IIT- Madras Campus Post Office, Sardar Patel Road, Guindy, CHENNAI - 600 036
MICR No.	600015085
Account Type	Savings Account

Certified that the Institute's account is in an RTGS enabled branch.

I hereby declare that the particulars given above are correct and complete.

Date:

Signature of the Competent Authority
of the Institution with seal.

[Handwritten Signature]
19/10/2020

FORMAT FOR AFFIDAVIT OF SELF-CERTIFICATION UNDER PREFERENCE TO MAKE IN INDIA – PER ITEM

Tender Reference Number:

Name of the item / Service:

Date: _____

I/We _____ S/o, D/o, W/o, _____
Resident of _____

Hereby solemnly affirm and declare as under:

That I will agree to abide by the terms and conditions of the Public Procurement (Preference to Make in India) Policy vide GoI Order no. P-45021/2/2017-PP (B.E.-II) dated 15.06.2017 (subsequently revised vide orders dated 28.05.2018, 29.05.2019 and 04.06.2020) MOCI order No. 45021/2/2017-PP (BE II) Dt.16th September 2020 & P- 45021/102/2019-BE-II-Part (1) (E-50310) Dt.4th March 2021 and any subsequent modifications/Amendments, if any and

That the local content for all inputs which constitute the said item/service/work has been verified by me and I am responsible for the correctness of the claims made therein.

Tick (✓) and Fill the Appropriate Category	
<input type="checkbox"/>	I/We _____ [name of the supplier] hereby confirm in respect of quoted items that Local Content is equal to or more than 50% and come under “ Class-I Local Supplier ” category.
<input type="checkbox"/>	I/We _____ [name of the supplier] hereby confirm in respect of quoted items that Local Content is equal to 20% but less than 50% and come under “ Class-II Local Supplier ” category.

- The details of the location (s) at which the local value addition is made and the proportionate value of local content in percentage

Address _____ Percentage of Local content: _____%

For and on behalf of (Name of firm/entity)

Authorized signatory (To be duly authorized by the Board of Directors)

<Insert Name, Designation and Contact No.>

[Note: In case of procurement for a value in excess of Rs. 10 Crores, the bidders shall provide this certificate from statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.]

This letter should be on the letterhead of the quoting firm and should be signed by a competent authority. Non-submission of this will lead to Disqualification of bids.

(To be given on the letter head of the bidder)

No. _____

Dated: _____

CERTIFICATE

(Bidders from India)

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and hereby certify that I am not from such a country.

OR (*whichever is applicable*)

(Bidders from Country which shares a land border with India)

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and hereby certify that I from _____ (Name of Country) and has been registered with the Competent Authority. I also certify that I fulfil all the requirements in this regard and is eligible to be considered. *(Copy/ evidence of valid registration by the Competent Authority is to be attached)*

Place:

Date:

Signature of the Tenderer
Name & Address of the
Tenderer with Office Stamp

ANNEXEUR: G
OEM CERTIFICATION FORM
(In Original Letter Head of OEM)

Tender No: Dated:

We are Original Equipment Manufacturers (OEM) of..... (Name of the company)
Ms..... (Name of the vendor) is one of our
Distributors/Dealers/Resellers/Partners (tick one) for the
..... and is participating in the above-
mentioned tender by offering our product model.....(Name of the product
with model number).

..... is authorized to bid, sell and provide service
support warranty for our product
as mentioned above.

Name and Signature of the authorized
signatory of OEM along
with seal of the company with Date