TENDER DOCUMENT
(Tender Notice no. IITKGP/Aero/Prop/2022-23/PSCAN dated: 14/12/2022)

FOR

Supply of a 16-Channel Electronic Pressure Measurement System

OF

(DEPARTMENT OF AEROSPACE ENGINEERING)

IIT Kharagpur

Indian Institute of Technology Kharagpur
Kharagpur – 721302
West Bengal
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NOTICE INVITING TENDER

Indian Institute of Technology Kharagpur, an Institute of Eminence, invites sealed bids from all Indian/International Manufacturers/OEMs/Service providers or their authorized vendors, having registered office in India who fulfil the criteria mentioned in the Tender document and have adequate credential, for the “Supply of a 16-Channel Electronic Pressure Measurement System” at the Department of Aerospace engineering, IIT Kharagpur.

Interested parties may submit their sealed bids under Two-Bids system as per Technical Specifications given at Annexure I and General Terms & Conditions and other formats given at Annexure II to XIV. Two covers (Technical Bid and Price Bid) are to be sealed and placed in one large Cover superscribed with tender reference number (Tender No. IITKGP/Aero/Prop/2022-23/PSCAN DT:14/12/2022) and submitted to “Chairman, Departmental Purchase Committee, Department of Aerospace Engineering, Indian Institute of Technology, Kharagpur, P.O. Kharagpur Technology, PIN: 721 302 on or before 16/01/2023 at 3.00 PM. Technical Bids will be opened on (16/01/2023) at 4.00PM.

The technical bid will be evaluated first and price bids will be opened in respect of those OEMs/Vendors, who are found technically qualified after evaluation of Technical Bids. Date for opening price bids will be intimated later.

Kindly refer to the Institute website www.iitkgp.ac.in [link: http://www1.iitkgp.ac.in/topfiles/tenders.php] for complete tender details. The same is also available in the CPP Portal [https://eprocure.gov.in/epublish/app]. If there is any corrigendum/addendum, it shall only be published on Institute’s Website and Central Public Procurement Portal.

Signature of Indenter/Professor-in-Charge, (Department of Aerospace Engineering) IIT Kharagpur

Signature of Head (Department of Aerospace Engineering) IIT Kharagpur

To

1. Institute Website
2. CPP Portal
3. Department Notice Board
## TIME EVENTS OF VARIOUS TENDER RELATED ACTIVITIES

<table>
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<th>Tender No. &amp; Date</th>
<th>IITKGP/Aero/Prop/2022-23/PSCAN  Date: 14/12/2022</th>
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<tr>
<td>Brief Description of Tender</td>
<td>&quot;Supply of a 16-Channel Electronic Pressure Measurement System&quot;</td>
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<tr>
<td>Estimated cost, if any</td>
<td>Rs.12 Lakhs</td>
</tr>
<tr>
<td>Tender fee (Non-refundable)</td>
<td>Nil (By way of demand draft from any Nationalized Bank / Commercial Bank and paid in favour of “Indian Institute of Technology Kharagpur”, payable at Kharagpur).</td>
</tr>
<tr>
<td>EMD</td>
<td>Rs. 40,000/- (By way of demand draft from any Nationalized Bank / Commercial Bank and paid in favour of “Indian Institute of Technology Kharagpur”, payable at Kharagpur).</td>
</tr>
<tr>
<td>Pre -bid Meeting</td>
<td>Date: 23/12/2022 @ 4:00 pm at (Meeting room, Department of Aerospace Engineering), IIT Kharagpur. <strong>Interested bidders to attend pre-bid meeting, can send their willingness by email at <a href="mailto:csmistry@aero.iitkgp.ac.in">csmistry@aero.iitkgp.ac.in</a> before 4:00PM, 23/12/2022.</strong></td>
</tr>
<tr>
<td>Bid submission start date &amp; time</td>
<td>(14/12/2022) at 11:00 am</td>
</tr>
<tr>
<td>Last date &amp; time for submission of sealed tenders/quotations</td>
<td>(16/01/2023) at 3:30 pm</td>
</tr>
<tr>
<td>Pre -qualification &amp; Technical Bid opening date &amp; time</td>
<td>(16/01/2023) at 4:00 pm</td>
</tr>
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<td>Two Bid System</td>
<td>Two bids – (i) Technical and (ii) Price bid, in two separate envelope-placed &amp; sealed in one envelope</td>
</tr>
<tr>
<td>Bid validity</td>
<td>120 days from the opening of Price Bid</td>
</tr>
<tr>
<td>Submission of bids (by speed post) (Addressed to)</td>
<td>Chairman Departmental Purchase Committee (Department of Aerospace Engineering) Kharagpur-721302, West Bengal (State)</td>
</tr>
<tr>
<td>Bid opening place</td>
<td>Department of Aerospace Engineering, IIT Kharagpur, Kharagpur – 721302, West Bengal (State)</td>
</tr>
<tr>
<td>Any clarification</td>
<td>Telephone No: 03222-283002 eMail ID: <a href="mailto:csmistry@aero.iitkgp.ac.in">csmistry@aero.iitkgp.ac.in</a></td>
</tr>
</tbody>
</table>

**Note:-**
1. If the day falls on any Holiday, the date of any of the events mentioned above shall be on the next working day.
2. It is the responsibility of the Bidder to ensure that their bids whether sent by post or by courier or dropped by person should reach within the stipulated date & time.
3. The quotation received after the last date and prescribed time would summarily be rejected. Quotations having incomplete information are also liable to be rejected.
4. The Director, IIT Kharagpur reserves the right to reject any or all the quotations in full or part without assigning any reason thereof and without giving any compensation. The decision of the Director in this regard shall be final and binding to all.
5. The addendum/ corrigendum if any shall only be published on Institute’s website and CPP Portal.
TECHNICAL SPECIFICATIONS

“Supply of a 16-Channel Electronic Pressure Measurement System”

(Tender No: IITKGP/Aero/Prop/2022-23/PSCAN dated 14/12/2022)

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Name of the item &amp; Specifications</th>
<th>Unit</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>1</td>
<td><strong>16-CHANNEL ELECTRONIC PRESSURE MEASUREMENT SYSTEM</strong></td>
<td></td>
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<tr>
<td></td>
<td><strong>Salient features:</strong> The Electronic pressure measurement unit should have inbuilt calibration, purge option. The pressure measuring unit should meet the following salient specifications.</td>
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<tr>
<td></td>
<td><strong>Number of channels:</strong> 16</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Range:</strong> Differential Pressure [-5 psi to +5 psi (-35kPa to +35 kPa)]</td>
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<tr>
<td></td>
<td><strong>Accuracy:</strong> ±0.05 % F.S</td>
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<tr>
<td></td>
<td><strong>Scanning rate:</strong> 500 Hz/Channel</td>
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<tr>
<td></td>
<td><strong>Max. Control pressure:</strong> 1800 kPa</td>
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<td></td>
<td><strong>Temperature operating range:</strong> 0 to 60 °C.</td>
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<td></td>
<td><strong>Resolution:</strong> 16 bit</td>
<td></td>
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<tr>
<td></td>
<td><strong>Communication:</strong> Ethernet 10baseT</td>
<td><strong>Communication Protocol:</strong> TCP/IP or UDP</td>
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<td></td>
<td><strong>Optional:</strong> Must quote for the item:</td>
<td></td>
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<tr>
<td></td>
<td>1. Combination RS232 and external trigger cable.</td>
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<tr>
<td></td>
<td><strong>Features Required:</strong></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>• Pneumatic connection: 0.063” OD Stainless Steel Tubulation (nominal).</td>
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<tr>
<td></td>
<td>• Scanner should be compatible with external data acquisition systems.</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>• Scanner should be compatible with Labview software.</td>
<td></td>
<td></td>
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<td></td>
<td>• Provide all the necessary accessories.</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td><strong>Guarantee/Warranty of above item(s), if any:</strong></td>
<td><strong>01 years after successful installation and demonstration</strong></td>
<td></td>
</tr>
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**Note:**

1. The bidder may also propose any other accessories required for maximum utilisation of the instruments.
2. The Bidder has to submit the Purchase Orders for the last 3 years
Quality assurance
The supplier must specify in the quotation, the international standard used for calibration of the pressure sensor and the data acquisition system. A calibration certificate should be provided along with the supplied items.

Important points to note:

a) Items like cables, power supply, adaptors, connectors, switches, trigger connection, silicon tube etc. need to be included in quotation with cost as individual component. All these items are in this category which helps in interfacing item.

b) Wherever applicable, adequate cable length should be provided between different individual units. In the quotation the supplier needs to provide details related to price of actual cable length supplied and price of unit length of additional cable if required.

c) No inbuilt temperature compensation is required for the pressure measurement unit. However, temperature calibration data must be provided in a CD by the OEM.

d) Supply of PC/ Desktop which may be used for data storage and processing does not fall within the scope of supply.

e) The purchaser has the right to purchase only the pressure measurement unit and use it with their existing data acquisition and signal processing hardware system. Therefore, all information regarding the pressure scanner required for interfacing with a general and capable data acquisition and signal processing hardware system must be made available.

f) TECHNICAL CATALOGUE/LEAFLET SHOULD BE ENCLOSED WITHOUT FAIL.

g) SCOPE OF SUPPLY: SHOULD INCLUDE FREE INSTALLATION AND COMMISSIONING.
GENERAL TERMS AND CONDITIONS

1. **Tender Fee:** Tender fee(s) Nil (By way of demand draft from any Nationalized Bank / Commercial Bank and paid in favour of “Indian Institute of Technology Kharagpur”, payable at Kharagpur).

   IIT Kharagpur will give exemption for submission of tender fee who are registered with MSME, NSIC or start-ups as recognised by DIPP. However proper and valid document in this regard must be submitted by the bidders in support of their claim. Tender fee should be kept in separate covers and place in technical bid cover.

2. **Earnest Money Deposit (EMD):** An amount of ₹40,000/- Rupees only) in the form of Demand Draft drawn in favour of “Indian Institute of Technology Kharagpur”, payable at Kharagpur or Bank Guarantee as per format at Annexure V. E.M.D. should be enclosed separately in an envelope and stapled with the Technical Bid document superscribing EMD. The validity of the EMD should be 6 (six) months from the date of issue. Any bid without EMD will be summarily rejected. No interest is payable on EMD. EMD will be refunded to the unsuccessful bidder, finalization of the tender process. The EMD of vendor awarded with the contract to be treated as part of security deposit towards Performance Guarantee. No interest is payable on Security Deposit. Security Deposit shall be forfeited if the selected vendor after award of contract, fails to execute the same.

3. **Payment Terms & Performance Bank Guarantee (PBG):**
   90% payment will be made on submission of shipping documents and balance 10% payment will be made on installation, commissioning and submission of PBG for performance period if the payment is made by LC, otherwise 90% will be made after successful installation and commissioning duly certified by the concerned Head of Department. Balance 10% may be released against submission of Performance Bank Guarantee to the tune of 10% of the total purchase order value. PBG shall be issued from any nationalized bank/ commercial bank, validity which shall be warranty period plus 60 days drawn. No advance/mobilization support, is payable against supply of stores.

4. **Liquidated Damages:** In the event of failure to deliver the stores beyond the specified date, liquidated damages @ 1% per month or part thereof in respect of the value of stores will be deducted, subject to a maximum of 5%; alternately the order will be cancelled and the undelivered stores purchased from elsewhere at the risk and expense of the vendor.

5. **Warranty/Guarantee & On-site skill support:** 1 year onsite comprehensive OEM warranty from the date of successful installation and commissioning. The firm has to guarantee supply of spares for a minimum period of 10 years.

6. **Supply of spares and accessories:** Interested vendors must be able to supply adequate spares and consumable during one year of comprehensive warranty. Vendor
should also ensure trouble free service and performance for another five years beyond one year Comprehensive Warranty Period with adequate spares and accessories.

7. **Delivery of Stores**: The store items are to be supplied within **90 days** from the date of receipt of the Purchase Order.

8. **Price**:
   a. The Price should be quoted either in INR or in foreign currency.
   b. Where tenderer intends to quote in Indian Rupees (INR), the price should be quoted “FOR IIT Kharagpur” basis. The price should be all inclusive.
   c. Where tenderer intends to quote in foreign currency FCA/FOB source port price by Air/Sea to be quoted. In case of comparison between FOR IIT Kharagpur (quoted in INR) and FOB/FCA price (quoted in foreign currency) 38% (approx. 20% FOB/FCA and 18% IGST) will be added on FOB/FCA price after conversion to INR.
   d. Tenderer, who are Indian Agents of OEMs, should furnish a clear declaration as follows: We declare that I am/we are Accredited Agents of the suppliers aboard. DGS&D enlistment certificate needs to be attached (applicable only for the Indian Agents).
   e. Foreign bidders to disclose the name and address of agent and representative in India.
   f. IIT Kharagpur is registered DSIR, Govt. of India and eligible for exemption for payment of Customs Duties in Terms of Government of India Notification No.51/96-Customs dated 23.07.96. Necessary certificate in this regard will be issued as per requirement and on request of the successful bidder.
   g. Agency Commission, if any will be paid to the Indian agents in Rupees on receipt of the equipment and after satisfactory installation. Agency Commission will not be paid in foreign currency under any circumstances.
   h. The unit prices should be for the same unit as indicated in the Schedule to tender enquiry and not for any other unit.
   i. Discount, if any, should be indicated separately/prominently.
   j. Offers should normally be on fixed and firm price basis. Any clause making price variation will not be acceptable.

9. **Bid**: Technical Bid and Price Bid should be submitted in two separate sealed envelopes quoting reference number on the top of the envelope. **EMD, if any should be enclosed with the Technical Bid documents, in separate sealed envelopes, stapled with the packet containing Technical Bid documents.**

10. **Award of the Contract**: The order shall be placed to successful L1 bidder.

11. **Acceptance of Tender**: The Authority of IIT Kharagpur does not bind itself to accept the lowest priced bid and reserves the right to reject any or the entire tender bids received without assigning any reason thereof.
12. The addendum/corrigendum if any shall be published on Institute’s **Website i.e. www.iitkgp.ac.in and on CPP Portal.**

13. **Extra Features:** If the bidder provides any other extra features on the Hardware or Software which are not mentioned in the tender product specifications, then that shall be highlighted in clear terms, with documentary evidence/literature.

14. **Compliance List:** The proposal should be properly indexed and a compliance list against the technical specifications should be provided.

15. **Service:** Response to ensure quality of services, the deputed Engineer from the OEM/Vendor shall have a minimum of 2 years of experience in the relevant field and must be in the payroll of the OEM/Vendor. Supporting document should be submitted with Technical Bid Documents to comply the same.

16. **Installation and Commissioning:** Free of cost at Department of Aerospace Engineering, IIT, Kharagpur. The supplier must ensure timely installation of instrument with necessary support to the indenters, as per details and lists to be made available by the Stores & Purchase Section or the indenting Departments/Centres/Schools.

17. **Training:** The Supplier is required to provide training at free of cost to the designated Purchaser’s technical and end user personnel to enable them to effectively operate the total equipment.

18. **Site preparation:** The supplier shall inform to the Institute about the site preparation, if any, needed for the installation of equipment, immediately after the receipt of the purchase order. The supplier must provide complete details regarding space and all the other infrastructural requirements needed for the equipment, which the Institute should arrange before the arrival of the equipment to ensure its timely installation and smooth operation thereafter. The supplier shall visit the Institute and see the site where the equipment is to be installed and may offer his advice and render assistance to the Institute in the preparation of the site and other pre-installation requirements.

19. The benefit of any downward price revision (revision on account of budget/financial policy, tax revision, EPZ etc.) is to be given to IIT Kharagpur by the selected OEM/vendor.

20. Past Performance of the Vendors will be judged at the time of Technical Evaluation.

21. The Institute does not bind itself to offer any explanation to those bidders whose technical bids have not been found acceptable by the Technical Evaluation Committee of the Institute.

22. Bidders should enclose the following documents:

   a. **Purchase order to be placed on:** Should be mentioned in the quotation with full address, email address, phone number.
b. Proforma Price Bid (without mentioning the price rate) may be attached with technical bids.

c. Copy of mandatory test reports, national testing/reliability and endurance test reports etc., certified or conducted at the manufacturing site, granted by the bureaus/quality control departments/national testing laboratories (if applicable).

23. All tenders are to be handed over in a sealed box in the Office of Department of Aerospace Engineering, IIT Kharagpur-721302. The bids (technical and price bids) once submitted shall be the property of the Institute and shall not be returned to the vendor in future. For speed post, the Postal Address is “

Chairman, Departmental Purchase Committee
Department of Aerospace Engineering,
IIT Kharagpur-721302, West Bengal (State)

24. Opening of Price Bids: The Price Bid(s) of only those vendor(s) who are found technically qualified will be opened and the same will be opened before the technically qualified vendor(s). The date for opening of price bids will be notified separately by email.

25. Tenderer or his/her authorized representative (with proper authorization letter for attending opening of technical bids and also for opening of price bids) may choose to be present at the time of opening of Technical Bids/Price Bids/Pre-Bid Meeting.

26. Disqualification of Tender: The tenders are liable for rejection in the following circumstances:
   a) If they are not in line with the terms and conditions of this tender notice
   b) Conditional quotations
   c) Incomplete tenders
   d) Tenders without EMD (if applicable)
   e) Tenders submitted through Fax or e-mail
   f) If two bid system is not followed
   g) Bid received simultaneously from Indian agent on behalf of Principal/OEM and Principal/OEM itself for same item/product/services in the same tender
   h) The Firm need to quote all the charges /prices as per the tender requirement, if any firm quote nil charges/consideration, the bid shall be treated as Unresponsive bid and will not be considered.

IMPORTANT
I. Director may accept or reject any or all the bids in part or in full without assigning any reason and does not bind himself to accept the lowest bid. The Institute at its discretion
may change the quantity/upgrade the criteria/drop any item or part thereof at any time before placing the Purchase Order.

II. A bid submitted with false information will not only be rejected but also the OEM/vendor will be debarred from participation in future tendering process.

III. In case of any dispute, the decision of the Director of this Institute shall be final and binding on the bidders.

IV. In case the due date for opening tender happens to be a holiday, the same will be opened on the next working day. The timings will however remain unchanged. Please Note that the Institute remains closed on Saturday & Sunday.

V. The Bidders are requested to submit the bids after issue of clarifications only considering the changes made if any. Bidders are totally responsible for incorporating/complying the changes/amendments issued if any, in their bid.
1. General: Only Indian/ International Manufacturers/ OEMs / Service provider or their authorized vendors, having registered office in India are invited to quote.

A. Compliance under Rule 144 (xi) of the General Financial Rules (GFRs) 2017

I. As per Ministry of Finance, Department of Expenditure, Public Procurement Division Order (Public Procurement No.1) issued from file No.6/18/2019-PPD dated 23rd July, 2020 & the Order issued from time to time regarding Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs) 2017, it is directed that any bidder from a country which shares a land border with India will be eligible to bid in any procurement whether of goods, services (including consultancy services and non-consultancy services) or works (including turnkey projects) only if the bidder is registered with the Competent Authority i.e. the Department for Promotion of Industry and Internal Trade (DPIIT).

II. “Bidder” (including the term ‘tenderer’, ‘consultant’ or ‘service provider’ in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency, branch or office controlled by such person, participated in a procurement process.

III. “Bidders from a country which shares a land border with India” for the purpose of this Order means:
   a) An entity incorporated, established or registered in such a country; or
   b) A subsidiary of an entity incorporated, established or registered in such a country; or
   c) An entity substantially controlled through entities incorporated, established or registered in such a country; or
   d) An entity whose beneficial owner is situated in such a country; or
   e) An Indian (or other) agent of such an entity; or
   f) A natural person who is the citizen of such a country; or
   g) A consortium or joint venture where any member of the consortium or joint venture falls under any of the above

IV. The beneficial owner for the purpose of above will be as under: -
   1. In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercise control through other means.
Explanation-

a) “Controlling ownership interest” means ownership of or entitlement to more than twenty-five per cent of share or capital or profit of the company;
b) “Control” shall include the right to appoint majority of the directors or to control the management of policy decisions including by virtue of their shareholding or management rights or shareholders agreements or voting agreements;

2. In case of a partnership firm, the beneficial owner is the natural person (s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;

3. In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;

4. Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;

5. In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership

V. An agent is a person employed to do any act for another, or to represent another in dealings with third person.

VI. For Works contracts, including Turnkey contracts, the successful bidder shall not be allowed to subcontract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority.

A certificate (duly filled & signed) shall be submitted by bidders in the tender documents regarding their compliance with the said order as per Annexure XII (a) and (b). If the certificate submitted by a bidder whose bid is accepted is found to be false, this would be a ground for immediate termination and further legal action in accordance with law.

**B. Compliance under Rule 153 (iii) of the General Financial Rules (GFRs) 2017**

Bidders to quote items having 20% or more local content, refer revised Public Procurement (Preference to Make in India), Order 2017 P-45021/2/2017-B.E-II dated 16.09.2020 and the order issued from time to time by Department for Promotion of Industry & Internal Trade (DPIIT), Ministry of Commerce and Industry, Government of India required to submit duly filled Annexure XIII for the same.

Also, as per DPIIT, Ministry of Commerce and Industry OM vide no: P-45021/102/2019-BE-II-Part (1) (E-50310) dated 04.03.2021, bidders can't claim themselves as Class-I local supplier / Class-II local supplier by claiming the services such as transportation, insurance, installation, commissioning, training and after sales service support like AMC/CMC etc. as local value addition.
2. **Deviation from Specifications:** It is in the interest of the tenderer to study the specifications in the tender schedule thoroughly before quoting so that, if the tenderer makes any deviations, the same are prominently brought out in the body of the tender. If you need to add any optional items to your system in order to meet our specifications, you are requested to quote for the total including the option required to suit our requirements. Otherwise, your tender will not be considered at all.

3. **TENDERERS SHALL SUBMIT ALONG WITH THEIR TENDER:** (i) Complete address and tele links for contact persons of manufacturers/service providers/authorized vendors offices dealing with this purchase. (ii) Name and full address of the manufacturers/service providers/authorized vendors (iii) **Country of origin** is to be provided for each item. (iv) Purchase order to be placed on: Should be mentioned in the quotation with full address.

4. **Performance Bank Guarantee:** The bidders to provide Performance Bank Guarantee of the amount equivalent to the 3% of the cost of contract value from any Nationalized Bank. The Performance Bank Guarantee is required for the entire period of Warranty. Performance Bank Guarantee must remain valid for a period 60 (sixty) days beyond the expiry of the Warranty Period.

5. **Guarantee:** The tenderer has to declare that the goods sold to the buyer under this contract shall be of the best quality and workmanship and shall be strictly in accordance with the specifications.

6. **Patent Rights:** The Supplier shall indemnify IIT Kharagpur against all third-party claims of infringement of patent, trademark or industrial design rights, copy rights arising from use of the Goods or any part thereof in India.

7. **Indemnity:** The vendor shall indemnify, protect and save IIT Kharagpur against all claims, losses, costs, damages, expenses, action suits and other proceeding, resulting from infringement of any law pertaining to patent, trademarks, copyrights etc. or such other statutory infringements in respect of all the equipment(s) supplied by him.

8. **Jurisdiction:** All questions, disputes, or differences arising under, out of or in connection with the contract, if concluded, shall be subject to the exclusive jurisdiction at the place from which the acceptance of Tender is issued i.e. Jurisdiction of KOLKATA HIGH COURT. Acceptance to this effect is also necessary at the time of opening of Technical Bid.

9. **Acknowledgment:** It is hereby acknowledged that we have gone through all the points listed under “Instructions & Special Conditions” outlined above, and those in the accompanying note on “Important Conditions”, and we agree to abide by them under the penalty of permanent disqualification for Tender participation and for related penal actions for non-abidance of the conditions.
MINIMUM ELIGIBILITY CRITERIA / PRE-QUALIFICATION CRITERIA

1. **Registration Certificate(s):** Certificate of incorporation, PAN, GST, Trade License and other related documents shall be provided with the bid document.

2. **Past Experience of the bidder:**
   
   a. **Experience in terms of years; and/or:** 3 to 5 years
   
   b. **Experience in terms of execution of orders:** 3 years

   Necessary supporting document with work orders/Purchase Order, list of satisfactory clients, completion certificate shall be enclosed with the bid document. Prior experience may be relaxed for start-ups as per Govt. orders issued from time to time. Supporting documents may be submitted along with the bid document.

3. **ISO Certification, if any:**

4. **Annual Average turnover for last three Financial Year:** Bidder shall enclose CA Certificate/Audited statement.

5. **Income Tax Return (ITR) for last three Financial Year:** Bidder shall enclose ITR certificates.

6. **Non-blacklisting certificate:** The bidder should not have been suspended or blacklisted by any Govt. Organization. *(An undertaking to this effect must be submitted by the bidder that the firm has not been suspended or blacklisted by any Govt. Organization in the past or as on the date of bidding).*

   **Note:** The condition of prior turnover and prior experience may be relaxed for Start-ups (as defined by Department of Industrial Policy and Promotion) subject to meeting of quality & technical specifications and making suitable provisions in the bidding document (Rule 173 (i) of GFR 2017).
## TECHNICAL BID

<table>
<thead>
<tr>
<th>S. No</th>
<th>Description</th>
<th>Submitted (Yes / No) (If Yes- Page No.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Certificate of Incorporation / Registration Certificate</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Trade License, PAN and GST Certificates</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Status of the Tenderer (attach documents, if registered company/ partnership /propriety ship)</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Manufacturer (OEM certificate) or Service Provider /Dealer (Authorization and OEM certificate from Manufactures)</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Details of key top official/authorized official with e-mail id and contact number</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Experience certificate (Previous Work Orders/Purchase Orders, list of satisfactory clients with address and contact number, completion certificates, etc.) of last 3 years</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Technical Compliance Statement, as per Annexure - VI</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>ISO Certificate, if any</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Average turnover of company in last three Financial years, if any. Bidder shall enclose CA Certificate/Audited statement as per Annexure - VII</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Income Tax Returns of last three Financial years</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>EMD</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Declaration as per Annexure – IX</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Model Bank Guarantee Format for furnishing EMD- Annexure X</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Undertaking / Self-Certification of non-blacklisting as per Annexure – XI</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Certification on compliance under Rule 144 (xi) of the General Financial Rules (GFRs) 2017 as per Annexure – XII</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Certification on Compliance under Rule 153 (iii) of the General Financial Rules (GFRs) 2017 / Declaration for Local content as per Annexure - XIII</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Other documents like literature, catalogues etc. (if any)</td>
<td></td>
</tr>
</tbody>
</table>

### NOTE:

1. Attach all relevant documents in the same serial order as above, properly indexed, duly signed.
2. **This is to be submitted in a separate sealed envelope** super scribing "TECHNICAL BID", Notice inviting **Tender Reference no.** and name of the bidder.
3. Price bid of that company/firm only will be opened which do technically qualify, for further consideration. **Attach all relevant documents in the same serial order as above, properly indexed, duly signed and sealed.**

Signature and seal of the Bidder
## TECHNICAL COMPLIANCE STATEMENT

<table>
<thead>
<tr>
<th>S. No</th>
<th>Specification</th>
<th>Specification Description</th>
<th>Complied (Yes / No)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td><strong>Number of channels:</strong> 16</td>
<td><strong>16-CHANNEL ELECTRONIC PRESSURE MEASUREMENT SYSTEM</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Range:</strong> Differential Pressure ([-5 \text{ psi to } +5 \text{ psi} (-35\text{kPa to } +35 \text{kPa})])</td>
<td><strong>Salient features:</strong> The Electronic pressure measurement unit should have inbuilt calibration, purge option. The pressure measuring unit should meet the following salient specifications.</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Accuracy:</strong> ±0.05 % F.S</td>
<td><strong>Optional:</strong> Must quote for the item:</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Scanning rate:</strong> 500 Hz/Channel</td>
<td>1. Combination RS232 and external trigger cable.</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Max. Control pressure:</strong> 1800 kPa</td>
<td><strong>Features Required:</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Temperature operating range:</strong> 0 to 60 °C.</td>
<td>• Pneumatic connection: 0.063” OD Stainless Steel Tubulation (nominal).</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Resolution:</strong> 16 bit</td>
<td>• Scanner should be compatible with external data acquisition systems.</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Communication:</strong> Ethernet 10baseT</td>
<td>• Scanner should be compatible with Labview software.</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Communication Protocol:</strong> TCP/IP or UDP</td>
<td>• Provide all the necessary accessories.</td>
<td></td>
</tr>
</tbody>
</table>
**ANNEXURE – VII**

**FINANCIAL INFORMATION**

Details to be furnished duly supported by figures in Balance Sheet/ Profit & Loss Account for the last three preceding years (Financial years) duly certified by the Chartered Accountant, as submitted by the applicant to the Income Tax Department (copies to be attached).

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Details</th>
<th>Year ending 31st March</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Year 1</td>
</tr>
<tr>
<td>01</td>
<td>Gross annual turnover in the similar works</td>
<td></td>
</tr>
<tr>
<td>02</td>
<td>Profit (+) / Loss (-)</td>
<td></td>
</tr>
</tbody>
</table>

1. Income Tax Return  
2. Audited Account of the company for last three years  
3. Income Tax, PAN Details  
4. GST No.

This is to certify that to the best of my knowledge and belief, the aforesaid facts and figures are correct and in conformity with the books of accounts of the establishment.

Dated: Signature of Chartered Accountant  
with seal and membership number
ANNEXURE - VIII

BID SECURITY DECLARATION

1. I, -------------------------------- Son / Daughter of Shri --------------
--------------------------------- Proprietor/Partner/CEO/MD/Director/Authorized
Signatory of M/s.---------------------------------- am competent to
sign this Bid Security Declaration and execute this tender document and hereby
declare that;

2. I/we understand that, according to your conditions, bid must be supported by a Bid
Securing Declaration.

3. I/we accept that I will automatically be suspended from being eligible for bidding in
any contract with IIT Kharagpur for a period equal to the duration of the contract for
tender related to ‘Services’ and/or 01 to 03 years in case of ‘Procurement of Goods’
from the date of notification, if I am in a breach of any obligation(s) under the bid
conditions, because I;
   a. have withdrawn/modified/amended, impairs or derogates from the tender
during the period of bid validity specified in the bid document, or
   b. having been notified of the acceptance of our Bid by IIT Kharagpur during the
period of bid validity, (i) fail or refuse to execute the contract, if required, or (ii)
fail or refuse to furnish the Performance Security, in accordance with the
General terms and conditions & Instructions to Bidders.

4. I/we understand this Bid Securing Declaration shall cease to be valid if I am not the
successful Bidder, upon the earlier of (i) the receipt of your notification of the name of
the successful Bidder; or (ii) 45 (forty-five) days after the expiry of the validity of my
Bid.

Signature of the Authorized Person

Date: ------------------------

Full Name: ------------------------

Place: ------------------------

Company Seal: --------------
ANNEXURE - IX

DECLARATION

1. I, -------------------------------------------------Son /Daughter of Shri ----------------------
-------------------------------------------------Proprietor/Partner/CEO/MD/Director/Authorized
Signatory of M/s.----------------------------------am competent to sign this declaration and execute this tender document.

2. Tender ref no: ____________________________ dt:_________. I have carefully read and understood all the terms and conditions of the tender and hereby convey my acceptance of the same.

3. The information/ documents furnished along with the above application are true and authentic to the best of my knowledge and belief.

4. I/we am/are well aware of the fact that furnishing of any false information/ fabricated document would lead to rejection of my tender at any stage besides liabilities towards prosecution under appropriate law.

5. Each page of the tender document and papers submitted by my Company is authenticated, sealed and signed, and I take full responsibility for the entire documents submitted.

Signature of the Authorized Person

Date: ------------------------------

Full Name: ------------------------------

Place: ------------------------------

Company Seal: ------------------------------
ANNEXURE – X

MODEL BANK GUARANTEE FORMAT FOR FURNISHING EMD

Whereas ................................................................. (hereinafter called the “tenderer”) has submitted their offer dated ................................................................. for the supply of ................................................................. (hereinafter called the “tender”) against the purchaser’s tender Notice No. .................................................................

KNOW ALL MEN by these presents that WE ................................................................. of ................................................................. having our registered office at ................................................................. are bound unto ................................................................. (hereinafter called the “Purchaser”) in the sum of ................................................................. for which payment will and truly to be made to the said Purchaser, the Bank binds itself, its successors and assigns by these presents. Sealed with the Common Seal of the said Bank this ................................Day of ................................... 20 ....................................

THE CONDITIONS OF THIS OBLIGATION ARE

(1) If the tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.

(2) If the tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity:

(a) If the tenderer fails to furnish the Performance Security for the due performance of the contract.

(b) Fails or refuses to accept/execute the contract.

WE undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or both the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including 45 days after the period of tender validity and any demand in respect thereof should reach the Bank not later than the above date.

(Signature of the authorized officer of the Bank)

Name and designation of the officer

Seal, name & address of the Bank and address of the Branch
I/We hereby confirm and declare that we, M/s ____________________________, is not blacklisted/ Deregistered/ debarred by any Government department/ Public Sector Undertaking/ Private Sector/ or any other agency for which we have Executed/ Undertaken the works/ Services as on date.

Signature of the Authorized Person

Date: --------------------------

Full Name: ------------------------

Place: --------------------------

Company Seal: ------------------
ANNEXURE – XII (a)
(For Goods/Service Contracts)

(On Company / firm’s Letterhead)

Tender No: ........................................

Dated: ...........................................

CERTIFICATE

I/we have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I/we hereby certify that this bidder is not from such a country and is eligible to be considered.

OR (whichever is applicable)

I/we have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I/we hereby certify that this bidder is from __________ (Name of Country) and has been registered with the Competent Authority. I/we also certify that this bidder fulfils 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 with the bid document)

Signature of the Authorized Person

Date: --------------------------

Full Name: --------------------------

Place: --------------------------

Company Seal: --------------------------
CERTIFICATE

I/we have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries and hereby certify that this bidder is not from such a country and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority.

OR (whichever is applicable)

I/we have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries; I/we hereby certify that this bidder is from ____________(Name of Country) and has been registered with the Competent Authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. I/we also certify that this bidder fulfils 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 with the bid document)

Signature of the Authorized Person

Date: --------------------------

Full Name: --------------------------

Place: --------------------------

Company Seal: --------------------------
DECLARATION OF LOCAL CONTENT

(To be given on Company Letter Head – For tender value upto Rs.10 Crores)
(To be given by Statutory Auditor/Cost Auditor/ Practising Cost Accountant/ Practising Chartered Accountant for tender value in excess of Rs.10 Crores)

Tender No: ...........................................  Dated: ......................................

To
The Chairman
Departmental Purchase Committee
Department of .........................
IIT Kharagpur
PIN: 721302

Subject: Declaration of Local Content-reg.

1. Country of origin of Goods being offered: .................................................................

2. We hereby declare that items offered has .............. % local content.
   (Clarification for Local content calculation as per OM No: P-45021/102/2019-BE-II-
   Part (1) (E-50310), dated 4th March 2021 of Department of Promotion of Industry and
   Internal Trade, Ministry of Commerce and Industry, Govt. of India.)

3. The details of the location(s) at which local value addition is made are given in the
   below table;

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the item</th>
<th>Location(s) of local value addition</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>

“Local Content” means the amount of value added in India which shall, unless otherwise
prescribed by the Nodal Ministry, be the total value of the item procured (excluding
net domestic indirect taxes) minus the value of the imported content in the item
(including all customs duties) as a proportion of the total value, in percent.

Important:
“False declaration will be in breach of Code of Integrity under Rule 175(1)(i)(h) of the
General Financial Rules 2017 for which a bidder or its successors can be debarred for
up to two years as per Rule 151(iii) of the General Financial Rules 2017 along with such
other actions as may be permissible under law.”

Date: ..................................................
Yours faithfully, ..................................

(Signature of the bidder, with Official Seal)
**ANNEXURE - XIV**

(on the official Letterhead of the company/firm)

**FINANCIAL BID FORMAT**

**Tender No.:** IITKGP/Aero/Prop/2022-23/PSCAN  
**Dated:** 14/12/2022

Tender for **Supply of a 16-Channel Electronic Pressure Measurement System with 1 year of warranty.**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Qty</th>
<th>Unit Price without taxes (in Rs.)</th>
<th>Taxes Rs</th>
<th>Unit Price with Taxes (in Rs.)</th>
<th>Total Amount (in Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Supply of a 16-Channel Electronic Pressure Measurement System with 1 year of warranty</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

\[
\begin{align*}
A & \quad B & \quad C & \quad D=(B+C) & \quad E=(A \times D) \\
\end{align*}
\]

**TOTAL**

In words: Rupees ____________________________

1. **Non-conformities between Figures and Words:**
   a. If, in the price structure quoted for the required goods, there is discrepancy between the unit price and total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price shall be corrected accordingly;
   b. If there is an error in a total corresponding to the addition or subtraction of sub-totals, the sub-totals shall prevail and the total shall be corrected; and
   c. If there is a discrepancy between words and figures, the amount in words shall prevail.

2. Indian institute of Technology Kharagpur is a public Funded Academic & Research institute under the minister of Human Resource Development and is eligible for GST @18% vide Notification No.47/2017 dated:14.11.2017 and 10/2018- Integrated Tax (Rate) dated:25.01.2018 by the Ministry of Finance, Department of Revenue.

**Signature of the bidder along with seal**
## Checklist

(Bidder should fill up YES or NO without fail)

<table>
<thead>
<tr>
<th>S.No</th>
<th>Bid Enclosures</th>
<th>Yes/ No</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Technical Bid (Envelope – A)</strong> contains the following documents</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Tender fee of Rs ........../ Exemption certificate</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Bid Security Declaration as per prescribed format</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>EMD</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Technical Bid as per <strong>Annexure – V</strong> along with all supporting annexures, documents etc. as mentioned in the Tender document as per given sequence</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Signed Notice Inviting Tender (NIT) and corrigenda thereon, if any</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Any other supporting/ additional document/ information</td>
<td></td>
</tr>
</tbody>
</table>

**Financial Bid (Envelope – B)**

| 1    | Price Bid (As per the format given at **Annexure – XIV**)                     |         |

Note: All pages of the bid documents must be serially numbered and signed.

***************