# Notice Inviting Quotation (E-Procurement mode) कोटेशन को आमंत्रित करने की सूचना (इ-प्रोक्योर्मेंट मोड)

### INDIAN INSTITUTE OF TECHNOLOGY DELHI भारतीय प्रौद्योगिकी संस्थान दिल्ली HAUZ KHAS, NEW DELHI-110016 हौज ख़ास, नई दिल्ली -110016

Dated/ दिनांक : 18/06/2025

### Open Tender Notice No. / खुला प्रस्ताव निविदा सूचना नंबर: IITD/BCHE(SP-5041)/2025

Indian Institute of Technology Delhi is in the process of purchasing following item(s) as per details as given as under.

इंडियन इंस्टीट्यूट ऑफ टेक्नोलॉजी दिल्ली निम्नलिखित मदों की खरीद की प्रक्रिया में है।

Details of the item आइटम का विवरण	High Pressure reactor with controller and accessories.
Earnest Money Deposit to be	NIL. However, bidders are required to submit
submitted बयाना जमा करने के लिए जमा राशि	'Bid Security Undertaking' in lieu of EMD (Annexure-IX)
•	(Allifexure-IA)
Warranty वारंटी अवधि	3 Years/3 साल
Performance security निष्पादन सुरक्षा	3% to 10% of Contract value as per MoF OM No. F.1/2/2023-PPD dated 3-4-2023 (Percentage to be decided by purchaser)
Delivery Schedule	(To be filled by Purchaser) Pl. refer Terms & Conditions No.12
<b>Mandatory Minimum Local Content</b>	<ol> <li>50% for Class 1 Supplier</li> <li>20% for Class II Supplier</li> </ol>
Margin of Purchase Preference for Local Content	20% (Pl. refer to the DPIIT Order mentioned at T&C No.45)

Tender Documents may be downloaded from Central Public Procurement Portal <a href="http://eprocure.gov.in/eprocure/app">http://eprocure.gov.in/eprocure/app</a>. Aspiring Bidders who have not enrolled / registered in e-procurement should enroll/ register before participating through the website <a href="http://eprocure.gov.in/eprocure/app">http://eprocure.gov.in/eprocure/app</a>. The portal enrolment is free of cost. Bidders are advised to go through instructions provided at 'Instructions for online Bid Submission'.

निविदा दस्तावेज केन्द्रीय सार्वजनिक खरीद पोर्टल http://eprocure.gov.in/eprocure/app से डाउनलोड हो सकते हैं ई-प्रोक्योरमेंट में पंजीकृत नहीं होने वाले इच्छुक बोलीदाताओं को वेबसाइट http://eprocure.gov.in/eprocure/app के माध्यम से भाग लेने से पहले पंजीकरण करना चाहिए। पोर्टल

नामांकन मुफ्त है बोलीदाताओं को सलाह दी जाती है कि 'ऑनलाइन बोली के लिए निर्देश' पर दिए गए निर्देशों के माध्यम से जाने की सलाह दी जाए।

Tenderers 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 Delhi tenders). Select the appropriate tender and fill them with all relevant information and submit the completed tender document online on the website <a href="http://eprocure.gov.in/eprocure/app">http://eprocure.gov.in/eprocure/app</a> as per the schedule given in the next page.

निविदाकर्ता वेबसाइट पर निविदा दस्तावेज का उपयोग कर सकते हैं (एनआईसी साइट में खोज के लिए, कृपया निविदा खोज विकल्प और 'आईआईटी' टाइप करें। उसके बाद, सभी आईआईटी दिल्ली निविदाओं को देखने के लिए "गो" बटन पर क्लिक करें) उपयुक्त निविदा का चयन करें और उन्हें सभी प्रासंगिक सूचनाओं से भरें और वेबसाइट पर http://eprocure.gov.in/eprocure/app पर पूरा निविदा दस्तावेज ऑनलाइन जमा करें। अगले पृष्ठ में दिए गए कार्यक्रम के अनुसार

No manual bids will be accepted. All quotation (both Technical and Financial should be submitted in the E-procurement portal).

कोई मैन्युअल बोली स्वीकार नहीं की जाएगी। सभी कोटेशन (तकनीकी और वित्तीय दोनों को ई-प्रोक्योरमेंट पोर्टल में जमा करना चाहिए)

### **SCHEDULE**

Name of Organization	Indian Institute of Technology Delhi
Tender Type (Open/Limited/EOI/Auction/Single/Global)	Open
Tender Category (Services/Goods/works)	Goods & Services
Type/Form of Contract (Work/Supply/ Auction/ Service/ Buy/ Empanelment/ Sell)	Supply
Product Category (Civil Works/Electrical Works/Fleet Management/ Computer Systems)	Electrical & Computer Systems
Source of Fund (Institute/Project)	Budget Code: Equipment Project Code: RP04895G_SN
Currency	Indian Rupee (INR)
Date of Issue/Publishing	18/06/2025 (17.00 Hrs)
Document Download/Sale Start Date	18/06/2025 (17.00 Hrs)
Document Download/Sale End Date	16/07/2025 (15.00 Hrs)
Date for Pre-Bid Conference	Nil
Venue of Pre-Bid Conference	
Last Date and Time for Uploading of Bids	16/07/2025 (15.00 Hrs)
Date and Time of Opening of Technical Bids	17/07/2025 (15.00 Hrs)
Tender Fee (If any)	Nil (To be paid through RTGS/NEFT. IIT Delhi Bank details are as under: Name of the Bank A/C : IITD Revenue Account SBI A/C No. : 10773572622 Name of the Bank : State Bank of India, IIT Delhi, Hauz Khas, New Delhi- 110016 IFSC Code : SBIN0001077 MICR Code : 110002156 Swift No. : SBININBB547 (This is mandatory that UTR Number is provided in the on-line quotation/bid. (Kindly refer to the UTR Column of the Declaration Sheet at Annexure-II)
No. of Covers (1/2/3/4)	02
Bid Validity days (180/120/90/60/30)	90 days (From last date of opening of tender)

Address for Communication	Dr. Sreedevi Upadhyayula Department of Chemical Engineering Block I Chemical Engineering Lab 107 Indian Institute of Technology Delhi, Hauz Khas, New Delhi-110016
Contact No.	01126596134
Fax No.	
Email Address	sreedeviupadhyayula@gmail.com

**Chairman Purchase Committee** 

(Buyer Member)

#### Instructions for Online Bid Submission/ ऑनलाइन बोली (बिड) के लिए निर्देश:

As per the directives of Department of Expenditure, this tender document has been published on the Central Public Procurement Portal (<u>URL:http://eprocure.gov.in/eprocure/app)</u>. The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

व्यय विभाग के निर्देशों के अनुसार, यह निविदा दस्तावेज केंद्रीय सार्वजिनक प्रापण पोर्टल (यूआरएल: http://eprocure.gov.in/eprocure/app) पर प्रकाशित किया गया है। बोलीदाताओं को मान्य डिजिटल हस्ताक्षर प्रमाण पत्र का उपयोग करते हुए सीपीपी पोर्टल पर इलेक्ट्रॉनिक रूप से अपनी बोलियों की सॉफ्ट प्रतियां जमा करना आवश्यक है। सीपीपी पोर्टल पर पंजीकरण करने के लिए निविदाकर्ताओं की सहायता करने के लिए नीचे दिए गए निर्देशों का मतलब है, सीपीपी पोर्टल पर आवश्यकताओं के अनुसार अपनी बोलियां तैयार करें और अपनी बोलियां ऑनलाइन जमा करें।

More information useful for submitting online bids on the CPP Portal may be obtained at: अधिक जानकारी सीपीपी पोर्टल पर ऑनलाइन बोलियां जमा करने के लिए उपयोगी हो सकती है:

http://eprocure.gov.in/eprocure/app

#### **REGISTRATION**

- 1) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <a href="http://eprocure.gov.in/eprocure/app">http://eprocure.gov.in/eprocure/app</a>) by clicking on the link "Click here to Enroll". Enrolment on the CPP Portal is free of charge.
  - बोलीदाताओं को "नामांकन के लिए यहां क्लिक करें" लिंक पर क्लिक करके सेंट्रल पब्लिक प्रोक्युरमेंट पोर्टल (यूआरएल: http://eprocure.gov.in/eprocure/app) के ई-प्रोक्योरमेंट मॉड्यूल पर भर्ती करना आवश्यक है। सीपीपी पोर्टल पर नामांकन नि: शुल्क है
- 2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
  - नामांकन प्रक्रिया के भाग के रूप में, बोलीदाताओं को अपने खाते के लिए एक अद्वितीय उपयोगकर्ता नाम चुनना होगा और एक पासवर्ड प्रदान करना होगा।
- 3) 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.
  - बोलीदाताओं को सलाह दी जाती है कि पंजीकरण प्रक्रिया के भाग के रूप में अपना वैध ईमेल पता और मोबाइल नंबर पंजीकृत करें। इन का उपयोग सीपीपी पोर्टल से किसी भी संचार के लिए किया जाएगा।
- 4) 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.), with their profile.

नामांकन पर, बोलीदाताओं को सीसीए इंडिया द्वारा मान्यता प्राप्त किसी प्रमाणन प्राधिकरण द्वारा जारी किए गए अपने मान्य डिजिटल हस्ताक्षर प्रमाण पत्र (कक्षा द्वितीय या कक्षा III प्रमाण पत्र के साथ महत्वपूर्ण उपयोग पर हस्ताक्षर करने) की आवश्यकता होगी (जैसे सिफी / टीसीएस / एनकोड / ई-मुद्रा आदि), उनके प्रोफाइल के साथ

- 5) 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.
  - केवल एक मान्य डीएससी एक बोलीदाता द्वारा पंजीकृत होना चाहिए। कृपया ध्यान दें कि निविदाकर्ता यह सुनिश्चित करने के लिए ज़िम्मेदार हैं कि वे अपने डीएससी को दूसरों को उधार नहीं देते हैं जिससे दुरुपयोग हो सकता है।
- 6) Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / eToken.
  - बोलीदाता फिर अपने यूजर आईडी / पासवर्ड और डीएससी / ईटीकेन के पासवर्ड को दर्ज करके सुरक्षित लॉग-इन के माध्यम से साइट पर लॉग ऑन करता है।

### SEARCHING FOR TENDER DOCUMENTS/ निविदा दस्तावेजों के लिए खोजना

- 1) 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.
  - सीपीपी पोर्टल में निर्मित विभिन्न खोज विकल्प हैं, ताकि बोलीदाताओं को कई मापदंडों से सक्रिय निविदाएं खोज सकें। इन मापदंडों में निविदा आईडी, संगठन का नाम, स्थान, तिथि, मूल्य आदि शामिल हो सकते हैं। निविदाओं के लिए उन्नत खोज का एक विकल्प भी है, जिसमें बोलीदाता कई नामों को जोड़ सकते हैं जैसे संगठन का नाम, अनुबंध का स्थान, स्थान, सीपीपी पोर्टल पर प्रकाशित निविदा की खोज के लिए तारीख, अन्य कीवर्ड आदि।
- 2) 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 Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
  - बोलीदाताओं ने एक बार निविदाएं चुनी हैं जिसमें वे रुचि रखते हैं, उसका वे आवश्यक दस्तावेज / निविदा कार्यक्रम डाउनलोड कर सकते हैं। ये निविदाएं 'मेरी निविदाओं' फ़ोल्डर में ले जाई जा सकती हैं। इससे सीपीपी पोर्टल को बोलीदाताओं को एसएमएस / ई-मेल के माध्यम से सूचित किया जा सकता है, यदि निविदा दस्तावेज में कोई शुद्धि जारी कि गई है।
- 3) 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.
  - बोलीदाता को प्रत्येक निविदा को निर्दिष्ट अद्वितीय निविदा आईडी का नोट बनाना चाहिए, अगर वे हेल्पडेस्क से कोई स्पष्टीकरण / सहायता प्राप्त करना चाहते हैं।

### PREPARATION OF BIDS / बोली (बिड) की तैयारी

- 1) Bidder should take into account any corrigendum published on the tender document before submitting their bids.
  - बोलीदाता को अपनी बोलियां जमा करने से पहले निविदा दस्तावेज पर प्रकाशित किसी भी शुद्धि को ध्यान में रखना चाहिए।
- 2) 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.
  - कृपया बोली के भाग के रूप में जमा किए जाने वाले दस्तावेजों को समझने के लिए निविदा विज्ञापन और निविदा दस्तावेज ध्यान से देखें। कृपया उन अंकों की संख्या पर ध्यान दें जिन में बोली दस्तावेज जमा करना है, दस्तावेजों की संख्या - जिसमें प्रत्येक दस्तावेज के नाम और सामग्री शामिल हैं, जिन्हें प्रस्तुत करने की आवश्यकता है। इनमें से कोई भी विचलन बोली को अस्वीकार कर सकता है।
- 3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF formats. Bid documents may be scanned with 100 dpi with black and white option.
  - बोलीदाता, अग्रिम में, निविदा दस्तावेज / अनुसूची में बताए अनुसार प्रस्तुत करने के लिए बोली दस्तावेज तैयार करना चाहिए और आम तौर पर, वे पीडीएफ / एक्सएलएस / आरएआर / डीडब्ल्यूएफ स्वरूपों में हो सकते हैं। बोली दस्तावेजों को 100 डीपीआई के साथ काले और सफेद विकल्प स्कैन किया जा सकता है।
- 4) 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, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" area available to them to upload such documents. These documents may be directly submitted from the "My Space" 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.
  - मानक दस्तावेजों के एक ही सेट को अपलोड करने के लिए आवश्यक समय और प्रयास से बचने के लिए जो प्रत्येक बोली के भाग के रूप में जमा करने के लिए आवश्यक हैं, ऐसे मानक दस्तावेज अपलोड करने का प्रावधान (जैसे पैन कार्ड कॉपी, वार्षिक रिपोर्ट, लेखा परीक्षक प्रमाण पत्र आदि) ) बोलीदाताओं को प्रदान किया गया है। ऐसे दस्तावेजों को अपलोड करने के लिए बोलीकर्ता उनके लिए उपलब्ध "मेरा स्पेस" क्षेत्र का उपयोग कर सकते हैं। बोली जमा करते समय ये दस्तावेज़ सीधे "मेरा स्पेस" क्षेत्र से जमा किए जा सकते हैं, और उन्हें बार-बार अपलोड करने की ज़रूरत नहीं है इससे बोली जमा प्रक्रिया के लिए आवश्यक समय में कमी आएगी।

### SUBMISSION OF BIDS/ बोली (बिड) का जमा करना

- 1) Bidder should log into the site well in advance for bid submission so that he/she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
  - बोलीदाता को बोली प्रस्तुति के लिए अच्छी तरह से साइट पर लॉग इन करना चाहिए ताकि वह समय पर बोली अपलोड कर सके या फिर बोली प्रस्तुत करने के समय से पहले। अन्य मुद्दों के कारण किसी भी देरी के लिए बोलीदाता जिम्मेदार होगा।

- 2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
  - बोलीदाता को निविदा दस्तावेज में दर्शाए अनुसार एक-एक करके आवश्यक बोली दस्तावेजों को डिजिटल हस्ताक्षर और अपलोड करना होगा।
- 3) Bidder has to select the payment option as "on-line" to pay the tender fee as applicable and enter details of the instrument. Whenever, Tender fees is sought, bidders need to pay the tender fee separately on-line through RTGS (Refer to Schedule, Page No.2). बोलीदाता को निविदा शुल्क / ईएमडी को भुगतान के लिए "ऑन लाइन" के रूप में भुगतान विकल्प चुनना होगा और उपकरण का विवरण दर्ज करना होगा। जब भी, ईएमडी / निविदा शुल्क की मांग की जाती है, बोलीदाताओं को टेंडर शुल्क और ईएमडी अलग-अलग आरटीजीएस के माध्यम से ऑन लाइन पर भुगतान करने की आवश्यकता होती है (अनुसूची, पेज नं .2 देखें)।
- 4) 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 white colored (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected. एक मानक BoQ प्रारूप को सभी बोलीदाताओं द्वारा भरने के लिए निविदा दस्तावेज प्रदान किया गया है। बोलीदाताओं को इस बात का ध्यान रखना चाहिए कि उन्हें आवश्यक प्रारूप में अपनी वित्तीय बोली जमा करनी चाहिए और कोई अन्य प्रारूप स्वीकार्य नहीं है। बोलीकर्ताओं को BoO फाइल को डाउनलोड करने, इसे खोलने और अपने संबंधित वित्तीय उद्धरण और अन्य विवरण (जैसे बोलीदाता का नाम) के साथ सफेद रंगीन (असुरक्षित) कोशिकाओं को पूरा करना आवश्यक है। कोई भी अन्य कक्ष नहीं बदला जाना चाहिए। एक बार विवरण पूरा हो जाने पर, बोलीदाता को इसे सहेजना होगा और इसे ऑनलाइन जमा करना होगा, बिना फ़ाइल नाम बदलना। यदि BOQ फ़ाइल को बोलीदाता द्वारा संशोधित किया गया है, तो बोली को खारिज कर दिया जाएगा।
- 5) The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
  - सर्वर का समय (जो बोलीदाताओं के डैशबोर्ड पर प्रदर्शित होता है) बोलीदाताओं द्वारा बोलियों को खोलने के लिए समय सीमा को संदर्भित करने के लिए मानक समय के रूप में माना जाएगा। बोलीदाताओं को खोलना आदि। बोलीदाताओं को बोली प्रस्तुत करने के दौरान इस समय का पालन करना चाहिए।
- 6) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128-bit encryption technology. Data storage encryption of sensitive fields is done.
  - बोलीदाताओं द्वारा प्रस्तुत सभी दस्तावेज पीकेआई एन्क्रिप्शन तकनीकों का उपयोग करके एन्क्रिप्ट किया जाएगा जिससे डेटा की गोपनीयता सुनिश्चित हो सके। दर्ज किए गए डेटा को अनधिकृत व्यक्तियों द्वारा बोली खोलने के समय तक नहीं देखा जा सकता है। बोलियों की गोपनीयता को सुरक्षित

- सॉकेट लेयर 128 बिट एन्क्रिप्शन तकनीक का उपयोग कर रखा जाता है। संवेदनशील क्षेत्रों का डेटा संग्रहण एन्क्रिप्शन किया जाता है।
- 7) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
  - अपलोड किए गए निविदा दस्तावेज केवल अधिकृत बोलीदाता द्वारा निविदा खोलने के बाद ही पठनीय हो सकते हैं।
- 8) 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.
  - बोलियों के सफल और समय पर जमा होने पर, पोर्टल एक सफल बोली प्रस्तुत करने का संदेश देगा और एक बोली सारांश बोली संख्या के साथ प्रदर्शित किया जाएगा। और अन्य सभी प्रासंगिक विवरणों के साथ बोली प्रस्तुत करने की तारीख और समय।
- 9) Kindly add scanned PDF of all relevant documents in a single PDF file of compliance sheet.
  - कृपया अनुपालन पत्रक की एक पीडीएफ फाइल में सभी प्रासंगिक दस्तावेजों के स्कैन किए गए पीडीएफ़ को जोड़ दें।

### ASSISTANCE TO BIDDERS / बोलीदाताओं को सहायता

- 1) 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.
  - निविदा दस्तावेज से संबंधित कोई भी प्रश्न और इसमें निहित नियमों और शर्तों को निविदा आमंत्रण प्राधिकरण को निविदा के लिए या निविदा में वर्णित प्रासंगिक संपर्क व्यक्ति से संबोधित किया जाना चाहिए।
- 2) 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 1800 233 7315.
  - ऑनलाइन बोली प्रस्तुत करने या सामान्य में सीपीपी पोर्टल से संबंधित प्रश्नों की प्रक्रिया से संबंधित कोई भी प्रश्न 24x7 सीपीपी पोर्टल हैल्पडेस्क पर निर्देशित किया जा सकता है। हेल्पडेस्क के लिए संपर्क संख्या 1800 233 7315 है

### General Instructions to the Bidders / बोलीदाताओं के लिए सामान्य निर्देश

- 1) The tenders will be received online through portal <a href="http://eprocure.gov.in/eprocure/app">http://eprocure.gov.in/eprocure/app</a> . In the Technical Bids, the bidders are required to upload all the documents in .pdf format. निवदाएं पोर्टल http://eprocure.gov.in/eprocure/app के माध्यम से ऑनलाइन प्राप्त होंगी तकनीकी बोलियों में, बोलीदाताओं को सभी दस्तावेजों को। पीडीएफ प्रारूप में अपलोड करना होगा।
- 2) 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://eprocure.gov.in/eprocure/app. Digital Signature Certificates can be obtained from the authorized certifying agencies, details of which are available in the web site https://eprocure.gov.in/eprocure/app under the link "Information about DSC". कंपनी के नाम में स्मार्ट कार्ड / ई-टोकन के रूप में मान्य क्लास ॥ / ॥। डिजिटल हस्ताक्षर प्रमाण पत्र (डीएससी) के पंजीकरण के लिए एक शर्त है और https://eprocure.gov.in/eprocure/ के माध्यम से बोली प्रस्तुत करने की गतिविधियों में भाग ले सकते है। डिजिटल हस्ताक्षर प्रमाण पत्र अधिकृत प्रमाणित एजेंसियों से प्राप्त की जा सकती है, जिनमें से जानकारी "डीएससी के बारे में सूचना" लिंक के तहत वेब साइट https://eprocure.gov.in/eprocure/app पर उपलब्ध है।

3) Tenderer are advised to follow the instructions provided in the 'Instructions to the Tenderer for the e-submission of the bids online through the Central Public Procurement Portal for e Procurement at https://eprocure.gov.in/eprocure/app. निविदाकर्ता को सलाह दी जाती है कि वे निविदाकार को निर्देश दिए गए हों ताकि ई-प्रोक्योरमेंट के लिए सेंट्रल पब्लिक प्रोकॉर्ममेंट पोर्टल के जिरए https://eprocure.gov.in/eprocure/app पर ऑनलाइन निविदाएं जमा कर सकें।

#### < DEPARTMENT OF CHEMICAL ENGINEERING >

Indian Institute of Technology Hauz Khas, New Delhi-110 016

#### **NOTICE INVITING QUOTATIONS**

Subject: <Purchase of High Pressure Reactor with controller and accessories>

#### **Invitation for Tender Offers**

Indian Institute of Technology Delhi invites online Bids (Technical bid and Commercial bid) from eligible and experienced OEM (Original Equipment Manufacturer) OR OEM Authorized Dealer for <supply, installation & integration of High Pressure Reactor with controller and accessories with (warranty period as stated at page #1 of this tender> on site comprehensive warranty from the date of receipt of the material as per terms & conditions specified in the tender document, which is available on CPP Portal

http://eprocure.gov.in/eprocure/app

#### TECHNICAL SPECIFICATION

for

**High Pressure Reactor with Controller and Accessories** 

#### **System Application:**

System Description: High Pressure	Reactor with Controller and Accessories
General Specification	
Reactor Type	Mini Reactor System, 300mL, Bench Top
Vessel Mounting Style	Fixed Head
Maximum Temperature	350°C with PTFE Flat Gasket
Maximum Pressure	3000 PSI (207 BAR); working pressure ≤ 90% (2700 PSI / 186.3 BAR)
Material of Construction (MOC)	Alloy C-276 for head, cylinder, magnetic drive, and all internal wetted parts; Stainless steel for external valves and fittings
Catalyst Basket	Removable, suitable for 150–240-micron catalyst

The system application of the Bench Top Stirred Reactor with catalyst basket is primarily for high-pressure and high-temperature reactions in laboratory settings, particularly in chemical research, catalyst testing, and process development. This reactor, with a 300 mL vessel capacity, operates at a maximum temperature of 350°C and a working pressure of up to 2700 PSI, making it suitable for CO<sub>2</sub> capture, hydrogenation, and other gas-liquid-solid reactions. The system features an Alloy C-276 construction for corrosion resistance, a magnetic stirrer with variable speed control, and a precise PID temperature controller with ramp/soak programming. Additional capabilities include real-time monitoring via pressure transducers, gas chromatographic analysis for reaction monitoring, and multi gas mass flow control for precise gas input regulation. The reactor is designed to ensure zero leakage via a magnetic drive coupling and is adaptable for future upgrades. It is particularly useful in industrial research, environmental studies, and academic institutions for studying reaction kinetics and optimizing chemical processes under controlled conditions.

#### **System Configuration:**

- **Description:** The Bench Top stirred reactor system with a vessel capacity near about 300ml is designed with a Fixed head design.
- The reactor vessel, head, Magnetic drive, and internal wetted parts should be made from Alloy C-276 with no welding (machined from solid bar stock).
- External valve fittings should be made of T316SS.
- The split rings should be machined from a solid stock bar of 4140 high-strength steel.
- The vessel should have a 4" depth and 2.5" inside diameter with moveable head vessel mounting.
- The maximum operating temperature of the vessel should be 350 deg. C with a split ring; 6 Compression Bolts for Flat gasket (PTFE gasket).
- The Maximum allowable pressure (MAWP) of the reactor vessel should be 3000 (200 bar) psi. the operating pressure should be at least 90% of the MAWP. I,e., 2700 psi (180 bar).
- The reactor system should be supplied with a pressure gauge, pressure transducer for digital display safety rupture disc, gas inlet valve, liquid sampling valve, gas release valve, and thermowell.
- The system should be supplied with a sturdy diameter magnetic drive with torque 16 in-lb which should be capable of stabilizing the stirring shaft without a need for a lower guide or foot bearing.
- A solid stirrer shaft should be mounted with a static catalyst basket of a minimum 45 ml capacity and an impeller. The stirrer should be designed in such a way that the catalyst basket should remain in the vapor phase while the impeller should be capable of stirring the liquid sample matrix.
- An alternate Hollow stirring shaft with a gas entrainment impeller should also be supplied along with the system.
- Shaft sealing: Zero leakage magnetic drive coupling.
- The magnetic drive should have an upper shaft diameter of 3/8 inch with a gasket seal and universal coupling as an overarm connection.
- Magnetic drive should be coupled to the motor by a belt and pulley system. Direct coupling of magnetic drive with motor is not acceptable.
- Benchtop system should be equipped with a 1/4 hp variable speed motor of 90V DC for stirring speeds of 0- 600 rpm or more.

- System should have a tachometer sensor assembly and optical wheel for true
  measurement & digital display of stirrer speed. This ensures true closed-loop feedback
  control of the reactor stirring speed, especially with reactions that involve changing
  viscosities. VFD-based calculation of RPM is not acceptable as they are susceptible to
  errors due to varying viscosity during the chemical reactions.
- A schematic/picture of the tachometer sensor and optical wheel assembly along with a description of the working must be provided as part of the technical bid.
- The system should be supplied with an external electric heating device, Mantle-type.
- A mixed gas mass flow controller that is capable of withstanding the required gas flow.
- Microprocessor-based programmable PID with auto-tuning capability for precise temperature control, minimum overshoot and ramp soak programming & high pressure /temperature alarm with breaker, pressure display module for digital display of pressure, motor control module for stirring speed control for reactions involving sample matrix of varying viscosities. The supply should include a communication cable for securing the connection between the controller and the user-supplied PC.
- A suitable manual back pressure regulator to mount on the reactor system should be available as optional accessories.
- There should be an optional provision for current/future upgrades of external fittings and valves from T316SS to Alloy C-276.
- Manufacturers must have ISO certification for overall quality assurance and management compliance aspects.
- Manufacturer must have CE/PED certification for the design and manufacture of pressure reactors and assemblies for laboratory applications
- Bidder should have a minimum of 5 years of experience in selling high-pressure and high-temperature reactors.
- OEM should have a minimum of 10 years' experience in design, manufacturing & selling high-pressure and high-temperature reactors.
- Vendor should submit the relevant documents of a minimum of 10 past purchase order copies of stirred reactor system supplied with pressure and temperature ratings 200 bar and 350 deg. C or higher in the last 7 years to govt educational institutes/ govt research laboratories/Public sector entities in India.

#### A. Head Specifications

The head specification includes a secure closure system with multiple bolts, integrated pressure monitoring, a thermocouple, and valve assemblies for gas and liquid handling.

Sl.	Specification details	
No.		
1.	Closure Type	Split ring with 6 compression bolts
2.	Pressure Gauge	0–3000 PSI
3.	Thermocouple	Fixed
4.	Valve Assembly	Gas inlet valve and liquid sampling valve on a common dip tube
5.	Additional Features	Gas release valve, rupture disc

### B. Cylinder Specification

The cylinder specification includes a high-pressure vessel with a defined volume, internal dimensions, and material construction designed for safe and efficient operation.

Sl.	Specifications details	
No.		
1.	Volume	300 mL
2.	Inside Diameter	2.5 inch
3.	Inside Depth	4.0 inch

### C. Magnetic Stirrer Specification

The magnetic stirrer features a high-torque, variable-speed motor with a hollow or solid shaft and an impeller for efficient mixing.

Sl.	Specifications details	
No.		
1.	Torque	Footless, 16 in-lb
2.	Motor Speed	1/4 hp, Variable Speed
3.	Shaft Type	Hollow with gas entrainment impeller; solid with impeller

### D. Heater Specifications

The heater is a mantle-type system with a power rating of 510 watts, designed for uniform heating and precise temperature control.

Sl.	Specifications details	
No.		
1.	Туре	Mantle
2.	Power	510 watts
3.	Power Supply	230 Volts

### E. Controller Specifications

The controller features a programmable PID system with precise temperature and pressure control, real-time monitoring, and safety alarms.

Sl.	Specification details	
No.		
1.	Type	PID with ramp and soak programming
2.	Motor Control	Module with Tachometer
3.	Pressure Display	Module
4.	USB Cable	Included for data logging

#### F. Multi Gas Mass Flow Controller Specifications

The multi-gas flow controller ensures precise regulation of gas flow and pressure with a wide control range and stable performance. Make of MFC -Brooks USA or Aalborg Instruments.

Sl.	Specification details	
No.		
1.	Flow Range	20–1000 sccm.
2.	Inlet Pressure (P1)	220 BAR (g)
3.	Outlet Pressure (P2)	0–100 BAR (g)
4.	Valve Function	Normally Closed
5.	Temperature	30°C

### G. Reactor Accessory: Gas Chromatograph

The gas chromatography system is used for precise analysis of gas compositions, reaction monitoring, and detecting trace components in chemical processes. It features high-sensitivity detectors, multi-method storage, and real-time data processing for accurate and efficient sample analysis.

SL.	<b>General Specifications</b>	
No.		
1.	Column Oven Volume	Approximately 12–15 Liters
2.	Temperature Range	Ambient to 400°C
3.	Ramp Rates	0–50°C/min in 0.1°C steps
4.	Method Storage	Up to 20 methods
5.	Controls	Six-way temperature control system, real-time graph, event controls
6.	Injector Ports	Dual
7.	Detectors	FID and TCD with high sensitivity
8.	Recording Device	Windows-based dual-channel chromatography data station
9.	Regulator Types	SS diaphragm regulators

#### Other important features to be included in Gas Chromatograph

- Unique zero-crossing pulse triggering control system that resists electromagnetic interference enormously.
- Overheat protection for all the 6 heated zones.
- DFC valves for packed columns.
- ❖ The system should have the latest electronics and programs.
- ❖ High sensitivity for testing of mixing at ultra-low/ trace Levels.
- ❖ Intelligent breakdown self-checking and alarm function.
- Carrier gas cut-off protection facility.
- **❖** *METHANIZER* for converting low levels of CO+CO₂ to Methane.

#### **Detectors**

- ❖ Flame Ionization Detector (FID) with excellent sensitivity and wide linear dynamic range. It should have a quartz jet permitting the use of a total all-glass separation system and minimizing the degradation and absorption of samples. Sensitivity better than 2 x 10<sup>-12</sup> g/sec, Linearity 10<sup>7</sup>. There should be a separate hydrogen line for dual FID.
- ❖ Thermal conductivity Detector (TCD). Should have a dual path, tungsten rhenium 4 filaments, and should work in dual column mode.

#### **Recording Device:**

Windows-based <u>dual channel</u> chromatography data station (complete with branded i5 PC and LaserJet printer) having the following specifications:

- a. *HARDWARE*: A-D Conversion: Voltage to frequency type, Sampling Rate: 80 samples per second, Dynamic Range: 10, Range: 10mV to 1V, Sensitivity: 0.1uV/sec.
- b. SOFTWARE: Should run on MS WINDOWS.
- c. *QUANTITATION*: Type: Area%, Height%, Normalisation, Internal & External Standard, No. of Levels: At least 100, Curve Fittings: Point to Point, Linear, Quadratic, Cubic, Fourth Order, Fifth order and Exponential.

- d. *BASE CORRECTION FUNCTIONS*: i. Area Inhibit, Autozero ii. Force base, Valley to Valley, Horizontal Base iii. Extensions forward and reverse iv. Tangential and Exponential Skimming v. Negative Peak Detection vi. Manual Base correction.
- e. *REPROCESSING*: (i)Zoom with mouse and reference plot. (ii)Plot annotation includes peak numbers, retention times, peak names, component numbers, area height, and amount. (iii)Batch reprocessing of up to 100 chromatograms should be possible.
- f. *CHROMATOGRAM VIEWING*: Overlay up to and at least 8 chromatograms with programmable angle of projection and chromatogram spacing. Stock mode of display is also available.
- g. **REAL TIME PROCESSING**: Real-time processing of the channel. Background correction with multitasking.

#### Following standard accessories to be included.

- 1. Columns (Set of SS-packed columns of best quality for gaseous analysis).
- 2. Capillary column, 30m length.
- 3. Gas tight syringe 1ml 2 No., Liquid syringes 10ul 2 Nos.
- 4. Automatic valve for column switching- 1No.
- 5. Auto gas sampling valve (6Port with Loop of 1ml) 1 No.
- 6. Extra TCD filaments (2 pairs).

A complete set of tender documents\* may be Download by prospective bidder free of cost from the website <a href="http://eprocure.gov.in/eprocure/app">http://eprocure.gov.in/eprocure/app</a>. Bidder has to make payment of requisite fees (i.e. Tender fees, if any online through RTGS/NEFT only.

### **Terms & Conditions Details**

Sl. No.	Specification		
1.	<b>Due date</b> : The tender has to be submitted on-line before the due date. The offers received after the due date and time will not be considered. No manual bids will be considered.		
2.	Preparation of Bids: The offer/bid should be submitted in two bid systems i.e. Technical bid and Financial bid. The Technical bid should consist of all technical details along with commercial terms and conditions. Financial bid should indicate item wise price for the items mentioned in the technical bid in the given format i.e BoQ_XXXX.  The Technical bid and the financial bid should be submitted Online.  Note: -Comparison of prices will be done ONLY on the bids submitted for the Main Equipment and anything asked as 'Optional' in the specs is not to be included for overall comparison.		
3.	EMD (if applicable): The tenderer should submit an EMD amount through RTGS/NEFT. The Technical Bid without EMD would be considered as UNRESPONSIVE and will not be accepted. The EMD will be refunded without any interest to the unsuccessful bidders after the award of contract. Refer to Schedule (at page 1 of this document) for its actual place of submission.		
4.	Refund of EMD: The EMD will be returned to unsuccessful Tenderer only after the Tenders are finalized. In case of successful Tenderer, it will be retained till the successful and complete installation of the equipment.		
5.	Opening of the tender: The online bid will be opened by a committee duly constituted for this purpose. Online bids (complete in all respect) received along with EMD (if any) will be opened as mentioned at "Annexure: Schedule" in presence of bidders representative if available. Only one representative will be allowed to participate in the tender opening. Bid received without EMD (if present) will be rejected straight way. The technical bid will be opened online first and it will be examined by a technical committee (as per specification and requirement). The financial offer/bid will be opened only for the offer/bid which technically meets all requirements as per the specification, and will be opened in the presence of the vendor's representatives subsequently for further evaluation. The bidders if interested may participate on the tender opening Date and Time. The bidder should produce authorization letter from their company to participate in the tender opening.		
6.	Acceptance/ Rejection of bids: The Committee reserves the right to reject any or all offers without assigning any reason.		
7.	Pre-qualification criteria:  (i) Bidders should be the manufacturer / authorized dealer. Letter of Authorization from original equipment manufacturer (OEM) on the same and specific to the tender should be enclosed.  (ii) An undertaking from the OEM is required stating that they would facilitate the bidder on a regular basis with technology/product updates and extend support for the warranty as well. (Ref. Annexure-II)  (iii) OEM should be internationally reputed Branded Company.  (iv) Non-compliance of tender terms, non-submission of required documents, lack of clarity of the specifications, contradiction between bidder specification and supporting documents etc. may lead to rejection of the bid.		

(v) In the tender, either the Indian agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender. (vi) If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product. 8. Performance Security: Performance Security may be furnished in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt from a Commercial bank, Bank Guarantee (including e-Bank Guarantee) from a Commercial bank or online payment in an acceptable form safeguarding the purchaser's interest in all respects within 21 days from the date of receipt of the purchase order and should be kept valid for a period of 60 days beyond the date of completion of warranty period. 9. 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, it's delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure. 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. 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. 10. Risk Purchase Clause: In 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 the other source on the total risk of the supplier under risk purchase clause. 11. **Packing Instructions**: Each package will be marked on three sides with proper paint/indelible ink, the following: i.Item Nomenclature ii.Order/Contract No. iii.Supplier's Name and Address iv.Consignee details v.Packing list reference number **Delivery and Documents:** 12. Delivery of the goods should be made within a maximum of 12 to 16 weeks (for goods ready for shipment) & Maximum (To be filled by Purchaser) weeks (For special/ to be fabricated goods) from the date of the Purchase Order. Within 24 hours of shipment, the supplier shall notify the purchaser and the insurance company by email the full details of the shipment including contract number, railway receipt number/ AAP etc. and date, description of goods, quantity, name of the consignee, invoice etc. The supplier shall mail the following documents to the

purchaser with a copy to the insurance company:

- 1. 4 Copies of the Supplier invoice showing contract number, goods' description, quantity
- 2. unit price, total amount;
- 3. Insurance Certificate if applicable;
- 4. Manufacturer's/Supplier's warranty certificate;
- 5. Inspection Certificate issued by the nominated inspection agency, if any
- 6. Supplier's factory inspection report; and
- 7. Certificate of Origin (if possible by the beneficiary);
- 8. Two copies of the packing list identifying the contents of each package.
- 9. The above documents should be received by the Purchaser before arrival of the Goods (except where the Goods have been delivered directly to the Consignee with all documents) and, if not received, the Supplier will be responsible for any consequent expenses.
- 13. **Delayed delivery:** If the delivery is not made within the due date for any reason, the Committee will have the right to impose penalty 1% per week and the maximum deduction is 10% of the contract value / price.
- 14. **Prices**: The price should be quoted in net per unit (after breakup) and must include all packing and delivery charges.

Price quoted should be in Indian Rupees, free delivery at IIT Delhi Campus at site (DDP/FOR).

Further, depending on the nature of the goods, there may be cost elements towards installation and commissioning, operator's training, and so on. Normally, it may be included in the equipment cost but if it is quoted separately, the same will be added in the item price for the determination of ranking of the bidders.

The offer/bid should be exclusive of taxes and duties, which will be paid by the purchaser as applicable. However, the percentage of taxes & duties shall be clearly indicated.

Necessary certificate will be issued on demand.

The Buyer/PFC will have the right to award contracts to different Bidders for being lowest in particular items.

For ranking of offers, price of complete scope of supply as detailed in technical specifications, the procuring authority/Purchaser may decide as follows for comparison of price bid -

(i) All items of the bid which are mandatorily required to meet the tendered specifications of the item/system

- (ii) If a bidder has put certain items/modules which are required to meet the tendered specifications in the 'optional' part of the bid, then such optional items shall also be included for the purpose of price comparison
- (iii) On the other hand, if a bidder has inadvertently included any item/module in its main price bid which is not required as per tender specifications, then the price of such item/module shall be excluded from the price comparison provided that the price for the said item/module is clearly reflected separately in the bid
- (iv) Anything asked as 'optional' in our specs is not to be included for overall comparison

#### Non-conformities between Figures and words:

Sometimes, non-conformities/errors are also observed in responsive tenders between the quoted prices in figures and in words. This situation normally does not arise in case of e-Procurement. This should be taken care of in the manner indicated below:

- (i) If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price will prevail and the total price will be corrected.
- (ii) 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:
- (iii)If there is a discrepancy between words and figures, the amount in words will prevail for calculation of price.

15. **Notices:** For the purpose of all notices, the following shall be the address of the Purchaser and Supplier.

Purchaser: < Prof. Sreedevi Upadhyayula>,

<Dept. Chemical Engineering>
Indian Institute of Technology
Hauz Khas, New Delhi - 110016.

**Supplier:** (To be filled in by the supplier)

(Supplier should submit its supplies information as per Annexure-II).

16. **Progress of Supply**: Wherever applicable, supplier shall regularly intimate progress of supply, in writing, to the Purchaser as under:

- 1. Quantity offered for inspection and date;
- 2. Quantity accepted/rejected by inspecting agency and date;
- 3. Quantity dispatched/delivered to consignees and date;
- 4. Quantity where incidental services have been satisfactorily completed with date;
- 5. Quantity where rectification/repair/replacement effected/completed on receipt of any communication from consignee/Purchaser with date;
- 6. Date of completion of entire Contract including incidental services, if any; and
- 7. Date of receipt of entire payments under the Contract (In case of stage-wise inspection, details required may also be specified).
- 17. **Inspection and Tests:** Inspection and tests prior to shipment of Goods and at final acceptance are as follows:
  - After the goods are manufactured and assembled, inspection and testing of the goods shall be carried out at the supplier's plant by the supplier, prior to shipment to check whether the goods are in conformity with the technical specifications attached to the purchase order. Manufacturer's test certificate with data sheet shall be issued to this effect and submitted along with the delivery documents. The purchaser shall be present at the supplier's premises during such inspection and testing if need is felt. The location where the inspection is required to be conducted should be clearly indicated. The supplier shall inform the purchaser about the site preparation, if any, needed for installation of the goods at the purchaser's site at the time of submission of order acceptance.
  - The acceptance test will be conducted by the Purchaser, their consultant or other such person nominated by the Purchaser at its option after the equipment is installed at purchaser's site in the presence of supplier's representatives. The acceptance will involve trouble free operation and ascertaining conformity with the ordered specifications and quality. There shall not be any additional charges for carrying out acceptance test. No malfunction, partial or complete failure of any part of the equipment is expected to occur. The Supplier shall maintain necessary log in respect of the result of the test to establish to the entire satisfaction of the Purchaser, the successful completion of the test specified.
  - In the event of the ordered item failing to pass the acceptance test, a period not exceeding one weeks will be given to rectify the defects and clear the acceptance test, failing which the Purchaser reserve the right to get the equipment replaced by the Supplier at no extra cost to the Purchaser.
  - Successful conduct and conclusion of the acceptance test for the installed goods and equipment shall also be the responsibility and at the cost of the Supplier.
- 18. **Resolution of Disputes**: The dispute resolution mechanism to be applied pursuant shall be as follows:
  - In case of Dispute or difference arising between the Purchaser and a domestic supplier relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Indian Arbitration & Conciliation Act, 1996, the rules there under and any statutory modifications or reenactments thereof shall apply to the arbitration proceedings. The dispute shall be referred to the Director, Indian Institute of Technology Delhi and if he is unable or unwilling to act, to the sole arbitration of some other person appointed by him willing to act as such Arbitrator. The award of the arbitrator so appointed shall be final, conclusive and binding on all parties to this order.
- 19. **Applicable Law:** The place of jurisdiction would be New Delhi (Delhi) INDIA.
- 20. Right to Use Defective Goods:

	If after delivery, acceptance and installation and within the guarantee and warranty period, the operation or use of the goods proves to be unsatisfactory, the Purchaser shall have the right to continue to operate or use such goods until rectifications of defects, errors or omissions by repair or by partial or complete replacement is made without interfering with the Purchaser's operation.
21.	Supplier Integrity:
	The Supplier is responsible for and obliged to conduct all contracted activities in accordance with the Contract using state of the art methods and economic principles and exercising all means available to achieve the performance specified in the contract.
22.	Training:
	The Supplier is required to provide training to the designated Purchaser's technical and end user personnel to enable them to effectively operate the total equipment.
23.	Installation & Demonstration: The supplier is required to done the installation and demonstration of the equipment within one month of the arrival of materials at the IITD site of installation, otherwise the penalty clause will be the same as per the supply of materials.
	In case of any mishappening/damage to equipment and supplies during the carriage of supplies from the origin of equipment to the installation site, the supplier has to replace it with new equipment/supplies immediately at his own risk. Supplier will settle his claim with the insurance company as per his convenience. IITD will not be liable to any type of losses in any form.
24.	<b>Insurance:</b> For delivery of goods at the purchaser's premises, the insurance shall be obtained by the supplier in an amount equal to 110% of the value of the goods from "warehouse to warehouse" (final destinations) on "All Risks" basis including War Risks and Strikes. The insurance shall be valid for a period of not less than 3 months after installation and commissioning.
25.	Incidental services: The incidental services also include:
	• Furnishing of 01 set of detailed operations & maintenance manual.
	• Arranging the shifting/moving of the item to their location of final installation within IITD premises at the cost of Supplier through their Indian representatives.
26.	<ul> <li>(i) Warranty period shall be (as stated at page #2 of this tender) from date of installation of Goods at the IITD site of installation. The Supplier shall, in addition, comply with the performance and/or consumption guarantees specified under the contract. If for reasons attributable to the Supplier, these guarantees are not attained in whole or in part, the Supplier shall at its discretion make such changes, modifications, and/or additions to the Goods or any part thereof as may be necessary in order to attain the contractual guarantees specified in the Contract at its own cost and expense and to carry out further performance tests. The warranty should be comprehensive on site.</li> <li>(ii) The Purchaser shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall immediately within in 02 days arrange to repair or replace the defective goods or parts thereof free of cost at the ultimate destination. The Supplier shall take over the replaced parts/goods at the time of their replacement. No claim whatsoever shall lie on the Purchaser for the replaced parts/goods thereafter. The period for correction of defects in the warranty period is 02 days. If the supplier having been notified</li> </ul>

- fails to remedy the defects within 02 days, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expenses and without prejudice to any other rights, which the purchaser may have against the supplier under the contract.
- (iii) The warranty period should be clearly mentioned. The maintenance charges (AMC) under different schemes after the expiry of the warranty should also be mentioned. The comprehensive warranty will commence from the date of the satisfactory installation/commissioning of the equipment against the defect of any manufacturing, workmanship and poor quality of the components.
- (iv) After the warranty period is over, Annual Maintenance Contract (AMC)/Comprehensive Maintenance Contract (CMC) up to next two years should be started. The AMC/CMC charges will not be included in computing the total cost of the equipment.

#### 27. **Governing Language:**

The contract shall be written in English language. English language version of the Contract shall govern its interpretation. All correspondence and other documents pertaining to the Contract, which are exchanged by the parties, shall be written in the same language.

#### 28. **Applicable Law:**

The Contract shall be interpreted in accordance with the laws of the Union of India and all disputes shall be subject to place of jurisdiction.

#### 29. Notices:

- Any notice given by one party to the other pursuant to this contract/order shall be sent to the other party in writing or by email and confirmed in writing to the other party's address.
- A notice shall be effective when delivered or on the notice's effective date, whichever is later.

#### 30. Taxes:

Suppliers shall be entirely responsible for all taxes, duties, license fees, octroi, road permits, etc., incurred until delivery of the contracted Goods to the Purchaser. However, GST etc, in respect of the transaction between the Purchaser and the Supplier shall be payable extra, if so stipulated in the order.

#### 31. **Duties:**

IIT Delhi is exempted from paying custom duty under notification No.51/96 (partially or full) and necessary "Custom Duty Exemption Certificate" can be issued after providing following information and Custom Duty Exemption Certificate will be issued to the shipment in the name of the Institute, (no certificate will be issued to third party): The procured product should be used for teaching, scientific and research work only.

- a) Shipping details i.e. Master Airway Bill No. and House Airway No. (if exists)
- b) Forwarder details i.e. Name, Contact No., etc.

#### 32. **Payment**:

100% payment shall be made by the Purchaser against delivery, inspection, successful installation, commissioning and acceptance of the equipment at IITD in good condition and to the entire satisfaction of the Purchaser and on production of unconditional performance bank guarantee as specified in Clause 8 of tender terms and conditions.

2.2	Hearlist Declare detailing to decide a second of the C
33.	<b>User list:</b> Brochure detailing technical specifications and performance, list of
	industrial and educational establishments where the items enquired have been
2.4	supplied must be provided. (Ref. Annexure-III)
34.	Manuals and Drawings:
	(i) Before the goods and equipment are taken over by the Purchaser, the Supplier
	shall supply operation and maintenance manuals. These shall be in such details
	as will enable the Purchaser to operate, maintain, adjust and repair all parts of
	the works as stated in the specifications.  (ii) The Manuals shall be in the ruling language (English) in such form and
	(ii) The Manuals shall be in the ruling language (English) in such form and numbers as stated in the contract.
	(iii) Unless and otherwise agreed, the goods equipment shall not be considered to
	be completed for the purposes of taking over until such manuals and drawing
	have been supplied to the Purchaser.
35.	Application Specialist: The Tenderer should mention in the Techno-Commercial
33.	bid the availability and names of Application Specialist and Service Engineers in
	the nearest regional office. (Ref. to Annexure-III)
36.	Site Preparation: The supplier shall inform to the Institute about the site
50.	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.
37.	Spare Parts
	Spail i alts
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	The Supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:  ii. Such spare parts as the Purchaser may elect to purchase from the Supplier, providing that this election shall not relieve the Supplier of any warranty obligations under the Contract; and  iii. In the event of termination of production of the spare parts:  iv. Advance notification to the Purchaser of the pending termination, in sufficient time to permit the Purchaser to procure needed requirements; and  v. Following such termination, furnishing at no cost to the Purchaser, the blueprints, drawings and specifications of the spare parts, if requested.  Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the Goods, such as gaskets, plugs, washers, belts etc. Other spare parts and components shall be supplied as promptly as possible but in any case within six months of placement of order.  Defective Equipment: If any of the equipment supplied by the Tenderer is found to be substandard, refurbished, un-merchantable or not in accordance with the description/specification or otherwise faulty, the committee will have the right to reject the equipment or its part. The prices of such equipment shall be refunded by the Tenderer with 18% interest if such payments for such equipment have already
	<ul> <li>The Supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier: <ol> <li>Such spare parts as the Purchaser may elect to purchase from the Supplier, providing that this election shall not relieve the Supplier of any warranty obligations under the Contract; and</li> <li>In the event of termination of production of the spare parts:</li> <li>Advance notification to the Purchaser of the pending termination, in sufficient time to permit the Purchaser to procure needed requirements; and</li> <li>Following such termination, furnishing at no cost to the Purchaser, the blueprints, drawings and specifications of the spare parts, if requested.</li> </ol> </li> <li>Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the Goods, such as gaskets, plugs, washers, belts etc. Other spare parts and components shall be supplied as promptly as possible but in any case within six months of placement of order.</li> <li>Defective Equipment: If any of the equipment supplied by the Tenderer is found to be substandard, refurbished, un-merchantable or not in accordance with the description/specification or otherwise faulty, the committee will have the right to reject the equipment or its part. The prices of such equipment shall be refunded by the Tenderer with 18% interest if such payments for such equipment have already been made. All damaged or unapproved goods shall be returned at suppliers cost</li> </ul>
	The Supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:  ii. Such spare parts as the Purchaser may elect to purchase from the Supplier, providing that this election shall not relieve the Supplier of any warranty obligations under the Contract; and  iii. In the event of termination of production of the spare parts:  iv. Advance notification to the Purchaser of the pending termination, in sufficient time to permit the Purchaser to procure needed requirements; and  v. Following such termination, furnishing at no cost to the Purchaser, the blueprints, drawings and specifications of the spare parts, if requested.  Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the Goods, such as gaskets, plugs, washers, belts etc. Other spare parts and components shall be supplied as promptly as possible but in any case within six months of placement of order.  Defective Equipment: If any of the equipment supplied by the Tenderer is found to be substandard, refurbished, un-merchantable or not in accordance with the description/specification or otherwise faulty, the committee will have the right to reject the equipment or its part. The prices of such equipment shall be refunded by the Tenderer with 18% interest if such payments for such equipment have already been made. All damaged or unapproved goods shall be returned at suppliers cost and risk and the incidental expenses incurred thereon shall be recovered from the
	<ul> <li>The Supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:         <ol> <li>Such spare parts as the Purchaser may elect to purchase from the Supplier, providing that this election shall not relieve the Supplier of any warranty obligations under the Contract; and</li> <li>In the event of termination of production of the spare parts:</li> <li>Advance notification to the Purchaser of the pending termination, in sufficient time to permit the Purchaser to procure needed requirements; and</li> <li>Following such termination, furnishing at no cost to the Purchaser, the blueprints, drawings and specifications of the spare parts, if requested.</li> <li>Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the Goods, such as gaskets, plugs, washers, belts etc. Other spare parts and components shall be supplied as promptly as possible but in any case within six months of placement of order.</li> </ol> </li> <li>Defective Equipment: If any of the equipment supplied by the Tenderer is found to be substandard, refurbished, un-merchantable or not in accordance with the description/specification or otherwise faulty, the committee will have the right to reject the equipment or its part. The prices of such equipment shall be refunded by the Tenderer with 18% interest if such payments for such equipment have already been made. All damaged or unapproved goods shall be returned at suppliers cost</li> </ul>

	from this office at the cost and risk of supplier including all other charges. In case supplier fails to replace above item as per above terms & conditions, IIT Delhi may consider "Banning" the supplier.	
39.	Termination for Default:	
	The Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Supplier, terminate the Contract in whole or part:	
	<ul> <li>i. If the Supplier fails to deliver any or all of the Goods within the period(s) specified in the order or within any extension thereof granted by the Purchaser; or</li> <li>ii If the Supplier fails to perform any other obligation(s) under the Contract.</li> <li>iii If the Supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.</li> </ul>	
	• For the purpose of this Clause:	
	<ul> <li>i. "Corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.</li> <li>ii. "Fraudulent practice" means a misrepresentation of facts in order to</li> </ul>	
	influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition;"	
	• In the event the Purchaser terminates the Contract in whole or in part, the Purchaser may procure, upon such terms and in such manner, as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the Purchaser for any excess costs for such similar Goods or Services. However, the Supplier shall continue the performance of the Contract to the extent not terminated.	
40.	<b>Downtime:</b> During the warranty period not more than 5% downtime will be permissible. For every day exceeding permissible downtime, penalty of 1/365 of the 5% item value will be imposed. Downtime will be counted from the date and time of the filing of complaint with in the business hours.	
41.	time of the filing of complaint with in the business hours.  Training of Personnel: The supplier shall be required to undertake to provide the	
71.	technical training to the personnel involved in the use of the equipment at the Institute premises, immediately after completing the installation of the equipment for a minimum period of one week at the supplier's cost.	
42.	Disputes and Jurisdiction: Any legal disputes arising out of any breach of	
.2.	contract pertaining to this tender shall be settled in the court of competent jurisdiction located within New Delhi.	
43.	Compliancy certificate: This certificate must be provided indicating conformity to the technical specifications. (Annexure-I)	
44.	As per Ministry of Finance, Deptt. of Expenditure, Public Procurement Division Order (Public Procurement No.1) issued from file No.6/18/2019-PPD dated 23 <sup>rd</sup> July, 2020 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 Deptt. for Promotion of Industry and Internal Trade (DPIIT). The said order will not apply to bidders from those countries (even sharing a land border with India) to which the Government of India has extended lines of credit or in which the Government of India is engaged in development projects (updated lists of the countries are given in the Ministry of External Affairs)

"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.

"Bidders from a country which shares a land border with India" for the purpose of this Order means:

- i. An entity incorporated, established or registered in such a country; or
- i. A subsidiary of an entity incorporated, established or registered in such a country; or
- i. An entity substantially controlled through entities incorporated, established or registered in such a country; or
- v. An entity whose beneficial owner is situated in such a country; or
- v. An Indian (or other) agent of such an entity; or
- *i*. A natural person who is the citizen of such a country; or
- i. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above

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.

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

For Works contracts, including Turnkey contracts, the successful bidder shall not be allowed to sub-contract 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 shall be submitted by bidders in the tender documents regarding their compliance with the said order. 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. Annexure VI (For Goods/ Services contracts)/ Annexure VII (For Works contracts, including Turnkey contracts)

It is mandatory for bidders to quote items having local content minimum 20%. Refer revised Public Procurement (Preference to Make in India), Order 2017, No. P-45021/2/2017-PP (B.E-II) dated 16.09.2020 issued by DPIIT, Ministry of Commerce and Industry, Govt. of India. (Submit duly filled Annexure VIII for the same). The Annexure VIII once submitted in the Technical Bid will be final. Submission of Revised Annexure VIII will NOT be accepted.

As per O.M. of DPIIT, Ministry of Commerce and Industry, Govt. of India No.P-45021/102/2019-BE-II- Part (1) (E-50310) Dated 04.03.2021, Bidders offering Imported products will fall under the category of Non\_Local Suppliers. They cannot claim themselves as Class-I or Class—II Local Suppliers by claiming the services such as Transportation, Insurance, Installation, Commissioning, Training and After Sale Service Support like AMC/CMC etc. as Local Value Addition.

### **COMPLIANCE SHEET**

### TECHNICAL SPECIFICATION

Sl.	Bench Top Stirred Reactor system with catalyst basket	Compliance		
No.	Technical Specifications Y/N			
1.	The Bench Top stirred reactor system with a vessel capacity near			
	about 300ml is designed with a Fixed head design.			
2	The reactor vessel, head, Magnetic drive and internal wetted parts			
	should be made from Alloy C-276 with no welding (machined from			
	solid bar stock).			
3	External valves fittings should be made of T316SS.			
4	The split rings should be machined from a solid stock bar of 4140			
	high strength steel.			
5	The vessel should have 4" depth and 2.5" inside diameter with			
	moveable head vessel mounting.			
6	The maximum operating temperature of the vessel should be 350			
	deg C with split ring; 6 Compression Bolts for Flat gasket (PTFE			
	gasket).			
7	The Maximum allowable pressure (MAWP) of the reactor vessel			
	should be 3000 (200 bar) psi. the operating pressure should be at			
	least 90% of the MAWP. I,e., 2700 psi (180 bar).			
8	The reactor system should be supplied with Pressure gauge, Pressure			
	transducer for digital display safety rupture disc, Gas inlet valve,			
	Liquid sampling valve, gas release valve and thermowell.			
9	The system should be supplied with a sturdy large diameter magnetic			
	drive with torque 16 in-lb which should be capable of stabilizing the			
	stirring shaft without a need for a lower guide or Foot bearing.			
10	A solid stirrer shaft should be mounted with a static catalyst basket			
	of minimum 45 ml capacity and an impeller. The stirrer should be			
	designed in such a way that catalyst basket should remain in vapor			
	phase while the impeller should be capable of stirring the liquid			

	sample matrix.			
11	An alternate Hollow stirring shaft with a gas entrainment impeller			
	should also be supplied along with the system.			
12	Shaft sealing: Zero leakage magnetic drive coupling.			
13	The magnetic drive should have an upper shaft diameter of 3/8 inch			
	with gasket seal and universal coupling as an over arm connection.			
14	Magnetic drive should be coupled to motor by a belt and pulley			
	system. Direct coupling of Magnetic drive with motor is not			
	acceptable.			
15	Bench top system should be equipped with an 1/4 hp Variable speed			
	motor of 90V DC for stirring speeds of 0- 600 rpm or more.			
16	System should have a tachometer sensor assembly and optical wheel			
	for true measurement & digital display of stirrer speed. This ensures			
	true closed loop feedback control of the reactor stirring speed,			
	especially with reactions that involve changing viscosities. VFD			
	based calculation of RPM is not acceptable as they are susceptible			
	to errors due to varying viscosity during the chemical reactions.			
17	A schematic/picture of the tachometer sensor and optical wheel			
	assembly along with a description of the working must be provided			
	as part of the technical bid.			
18	The system should be supplied with External Electric Heating			
	device, Mantle type.			
19	A mixed gas mass flow controller that is capable of withstanding the			
	required gas flow.			
20	Microprocessor based programmable PID with Auto tuning			
	capability for precise temperature control, minimum overshoot and			
	Ramp soak programming & high pressure /temperature alarm with			
	breaker, pressure display module for digital display of pressure,			
	Motor control module for stirring speed control for reactions			
	involving sample matrix of varying viscosities. The supply should			
	include a communication cable for securing connection between			
	controller and user supplied PC.			

21	A suitable manual Back pressure regulator to mount on the reactor			
	system should be available as optional accessories.			
22	There should be an optional provision to current/future upgrade of			
	external fittings and valves from T316SS to Alloy C-276.			
23	The manufacturer must have ISO certification for overall quality			
	assurance and management compliance aspects.			
24	The manufacturer must have CE/PED certification for design and			
	manufacture of pressure reactors and assemblies for laboratory			
	applications.			
25	Bidder should have minimum 5 years' experience in selling high			
	pressure and High temperature reactors.			
26	OEM should have minimum 10 years' experience in design,			
	manufacturing & selling high pressure and High temperature			
	reactors.			
27	Vendor should submit the relevant documents of minimum 10 past			
	purchase order copies of stirred reactor system supplied with			
	pressure and temperature ratings 200 bar@ 350 deg C or higher in			
	the last 7 years to govt educational institutes/ govt research			
	laboratories/Public sector entities in India.			

I have also enclosed all relevant documents in support of my claims, (as above) in the following pages.

	Signature of Bidder
Name:	
Designation:	
Organization Name:	
Contact No. :	

### **ANNEXURE-II**

**Seal of the Company** 

# << Organization Letter Head >> DECLARATION SHEET

We,	hereby certify that all the information		
and data furnished by our organization with reg	gard to this tender specification are true and		
complete to the best of our knowledge. I have g	gone through the specification, conditions and		
stipulations in details and agree to comply with the requirements and intent of specification.			
This is certified that our organization has been	authorized (Copy attached) by the OEM to		
participate in Tender. We further certified that of	our organization meets all the conditions of		
eligibility criteria laid down in this tender docu	ment. Moreover, OEM has agreed to support		
on regular basis with technology / product upda	ates and extend support for the warranty.		
The prices quoted in the financial bids are subs	idized due to academic discount given to IIT		
Delhi.			
We, further specifically certify that our	NAME & ADDRESS OF		
organization has not been Black Listed/De Listed or put to any Holiday by any Institutional	THE Vendor/ Manufacturer / Agent		
Agency/ Govt. Department/ Public Sector			
Undertaking in the last three years.			
1. Phone			
2. Fax			
3. E-mail			
4. Contact Person Name			
5. Mobile Number			
6. GST Number			
7. PAN Number			
(In case of on-line payment of Tender Fees)			
8. UTR No. (For Tender Fee)			
9. Kindly provide bank details of the bidder			
in the following format:			
a) Name of the Bank			
b) Account Number			
	I		
	(Signature of the Tenderer)		
	Name:		

## List of Govt. Organization/Deptt.

ame of the organization	Name of Contact Person	Contact No.

- ·	to handle and
Name of Contact Person	Contact No.
	o have the technical competency riod.  Name of Contact Person

Organization N Contact N			
Des	signation:		
Na	ame:		
		Signature o	f Bidder

### PREVIOUS SUPPLY ORDER DETAILS

### Annexure - IV

Name of the Firm
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Ţ		1	1	1		T
Order placed	Order	Description	Value	Date of	Has the	Contact
by (Full	No.	and	of	Completion	equipment	person along
address of	and	quantity of	order	of delivery	been installed	with
Purchaser)	Date	order		as per	satisfactorily	Telephone
		equipment		contract	(Attach a	No., Fax No.
					Certificate	and email
					from the	address)
					Purchaser/	
					Consignee)	

Signatu	are and Seal of the	Manufacturer/	Bidd
Place:			_
Date:			

### ORIGINAL EQUIPMENT MANUFACTURER (OEM)

### Manufacturing Authorization form (MAF)

(On Letter Head of Manufacturer)

ANNEXURE-V (Revised)

	`
Tender No.:	Date:
То	
The Director,	
Indian Institute of Technology Delhi,	
New Delhi- 110016	
Dear Sir,	
We manufactures of original equipment at (addrefactory) do hereby authorize M/s (Name and adbid, negotiate and receive the order format against your tender enquiry.	
M/s is authorized to bid and conclude this business.	e the contract in regard to
We hereby extend our full guarantee and warranty as per clause	of the terms
Yours Faithfully,	
(Name)	
(Name & Seal of Manufactures)	

- 1. **Items of indigenous nature or quoted in INR**, more than 1 authorized representative may participate in the same tender and submit their bids on behalf of their OEM/Principal/Manufacturer if the OEM permits more than one authorized bidder in such case as per their policy.
- 2. In cases of agents quoting in offshore procurements, on behalf of their principal manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. One manufacturer can also authorize only one agent/dealer
- 3. The letter of authority should be on the letterhead of the manufacturer and should be signed by a person competent and having the power of attorney to bind the manufacturer. The same should be included by the bidder in its techno-commercial unpriced bid.

## <On Organization Letter Head>

(ANNEXURE-VI

	(ANNEXURE-VI)
	(For Goods/ Services Contracts)
No	Dated:
	CERTIFICATE
I have read the clause reg	garding restrictions on procurement from a bidder of
a country which shares a land bo	order with India and hereby certify that this bidder is
	OR (whichever is applicable)
a country which shares a land bo	garding restrictions on procurement from a bidder of order with India and hereby certify that this bidder is <i>ountry</i> ) and has been registered with the Competent bidder fulfills all the requirements in this regard and
(Copy/ evidence of valid attached)	registration by the Competent Authority is to be
	Signature of Bidder/ Agent
	Name:
	Designation:
	Organization Name:
	Contact No.:

## <On Organization Letter Head>

(ANNEXURE-VII)

(For Works Contracts, including Turnkey contracts)

No
Dated:
<u>CERTIFICATE</u>
I 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 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 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 also certify that this bidder fulfills 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)
Signature of Bidder/ Agent
Name:
Designation:
Organization Name:
Contact No.:

<u>DECLARATION OF LOCAL CONTENT</u>

(To be given on Company Letter Head – For tender value below Rs.10 Crores)

(To be given by Statutory Auditor/ Cost Auditor/ Cost Accountant/ CA for tender value above Rs.10 Crores)

To, The Director, Indian Institute of Technology Delhi New Delhi-110016	
Subject: - Declaration of Local Content	
Tender Reference No:	
Name of Tender/ Work:	
Country of Origin of Goods being offered:	
2. We hereby declare that items offered has	
3. Details of the Location at which the Local Value	Addition is
made	
4. Details of Local	
Content	
"Local Content" means the amount of value added is prescribed by the Nodal Ministry, be the total value of domestic indirect taxes) minus the value of the impocustoms duties) as a proportion of the total value, in Bidders offering Imported products will fall under a They cannot claim themselves as Class-I or Class – services such as Transportation, Insurance, Installa After Sale Service Support like AMC/ CMC etc. as I	of the item procured (excluding net rted content in the item (including all percent.  the category of Non Local Suppliers. II Local Suppliers by claiming the ation, Commissioning, Training and
"*False declaration will be in breach of Code of Inte General Financial Rules for which a bidder or its suc years as per Rule 151(iii) of the General Financial R be permissible under law."	cessors can be debarred for up to two
	Yours faithfully,
(S	ignature of the bidder, with Official Seal)

Note: It is mandatory for bidders to quote items having local content minimum 20%. Refer revised Public Procurement (Preference to Make in India), Order 2017, No. P-45021/2/2017-PP (B.E-II) dated 16.09.2020 issued by DPIIT, Ministry of Commerce and Industry, Govt. of India. (Submit duly filled Annexure VIII for the same). The Annexure VIII once submitted in the Technical Bid will be final. Submission of Revised Annexure VIII will NOT be accepted.

### **BID SECURITY UNDERTAKING**

(To be issued by the bidder on company's letterhead in lieu of EMD)

То,		
The Registrar,		
I.I.T. Delhi, Hauz Khas, Delhi – 110016.		
We, M/s		(Name of the
Firm), with ref. to Tender No		
<ol> <li>We accept that, we will not monour the contract after the awa</li> <li>In the event of any modification contract after final award, our fix contract notified by IIT Delhi for</li> </ol>	ard of contract.  I to our bid by us or the second to the	failure on our part to honour the from participation in any tender/
Yours faithfully,		
(signature)		
Name:		
Date:		
Office Seal:		

### **BID SUBMISSION**

### **Online Bid Submission:**

The Online bids (complete in all respect) must be uploaded online in **two** Envelops as explained below: -

Envelope – 1 (Following documents to be provided as single PDF file)				
Sl. No.	I. No. Document Content			
1.		Compliance Sheet (Annexure – I)	.PDF	
2.		Organization Declaration (Annexure – II)	.PDF	
3.		List of organizations/ clients where the same products have been supplied (in last two years) along with their contact number(s). (Annexure-III)	.PDF	
4.		Technical supporting documents in support of all claims made at Annexure-I	.PDF	
5.	Technical Bid	Previous Supply Order (Annexure – IV)	.PDF	
6.	214	Original Equipment Manufacturing Manufacturing Authorization Form (MAF) (Annexure – V)	.PDF	
7.		(For Goods/ Services Contracts) Certificate - Bidder Not from/ from Country sharing Land border with India & Registration of Bidder with Competent Authority (Annexure-VI)	.PDF	
8.		(For Works Contracts, including Turnkey Contracts) Certificate – Bidder Not from/ from Country sharing Land border with India, Registration of Bidder with Competent Authority & not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority (Annexure-VII)	.PDF	
9.		Declaration of Local Content (Annexure-VIII)	.PDF	
10.		Bid Security Undertaking in lieu of EMD (Annexure-IX)	.PDF	
	Envelope – 2			
Sl. No.	Document	Content		
1.	Financial Bid	Price bid should be submitted in given BOQ_XXXX.xls format. (Note: -Comparison of prices will be done ONLY on the bids submitted for the Main Equipment and anything asked as 'Optional' in the specs is not to be included for overall comparison.) Bids for optional items are to be submitted in 'sheet2_Quote for optional items'	.XLS	