#### अंतर-विश्वविद्यालय त्वरक केंद्र

#### INTER-UNIVERSITY ACCELERATOR CENTRE

(विश्वविद्यालय अनुदान आयोग का स्वायत्त निकाय)
(An Autonomous Centre of UGC)
अरुणा आसफ अली मार्ग, नई दिल्ली-110067
Aruna Asaf Ali Marg, New Delhi - 110067

### ई-निविदा आमंत्रण सूचना/ NOTICE INVITING E-TENDER

निविदा संख्या: आईयुएसी/एनआईटी/24/RCM/2023-24 दिनांक: 09/02/2024

Tender Number: IUAC/NIT/24/RCM /2023-24 Dated: 09/02/2024

अंतर-विश्वविद्यालय त्वरक केंद्र (आई.यू.ए.सी.) पात्र/अनुभवी पार्टियों से दो बोली प्रणाली नामत: तकनीकी और वित्तीय बोली के तहत ई-प्रोक्योरमेंट पोर्टल के माध्यम से निदेशक, अंतर-विश्वविद्यालय त्वरक केंद्र, नई दिल्ली की ओर से "अनुलग्नक ए के अनुसार आईयूएसी, नई दिल्ली में नमूना लक्षण वर्णन के लिए ध्रुवीकरण बनाम विद्युत क्षेत्र (पी-ई) लूप प्रणाली" की आपूर्ति के लिए ऑनलाइन बोलियां आमंत्रित करता है।

Inter - University Accelerator Centre (IUAC) invites online bids on behalf of the Director IUAC, New Delhi through e-procurement Portal under two bid system, viz., Technical and Financial bids, from eligible / experienced parties for the supply of "Polarization vs Electric field (P-E) loop system for sample characterization at IUAC, New Delhi as per Annexure A".

निविदा दस्तावेज, सेंट्रल पब्लिक प्रोक्योरमेंट (सीपीपी) पोर्टल <a href="https://eprocure.gov.in/eprocure/app">https://eprocure/app</a> से मुफ्त में डाउनलोड िकए जा सकते हैं। इच्छुक बोलीदाता, जिन्होंने ई-प्रोक्योरमेंट पोर्टल में नामांकन/पंजीकरण नहीं िकया है, उन्हें भाग लेने से पहले <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a> वेबसाइट के माध्यम से नामांकन/पंजीकरण करना होगा। बोलियां केवल <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a> वेबसाइट पर ऑनलाइन जमा करनी होगी। निविदाकारों/ठेकेदारों/बोलीदाताओं को सलाह दी जाती है िक वे ई-प्रोक्योरमेंट पोर्टल में दिए गए निर्देशों का पालन करें। बोली दस्तावेजों को 100 डी.पी.आई. में ब्लैक एंड व्हाइट स्कैन करें, जो स्कैन िकए गए दस्तावेजों के आकार को कम करने में मदद करता है।

Tender Documents may be downloaded from Central Public Procurement (CPP) Portal free of cost <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a>. Aspiring Bidders who have not enrolled/registered in e-procurement portal should enroll/register before participating through the website <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a>. Bids should be submitted online only at website: <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a>. Tenderers / Contractors / Bidders are advised to follow the instructions provided in the e-procurement portal. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned documents.

केवल ई-प्रोक्योरमेंट पोर्टल के माध्यम से प्राप्त बोलियों को ही खोला जाएगा। जो बोलियाँ उत्पादों/वस्तुओं के कार्य/आपूर्ति के

वांछित प्रयोजनों को संपूर्ण रूप से पूर्ण करने में अक्षम होगी, उन बोलियों को अस्वीकार कर दिया जाएगा और केवल पूर्ण बोलियों पर विचार किया जाएगा। अंतर-विश्वविद्यालय त्वरक केंद्र के पास बिना कोई कारण बताए किसी भी/सभी निविदाओं को आंशिक/पूर्ण रूप से स्वीकार/अस्वीकार करने का अधिकार सुरक्षित है और इस संबंध में आईयूएसी का निर्णय सभी बोलीदाताओं के लिए बाध्यकारी होगा।

Only bids received through e-procurement portal will be considered for opening. Bids not covering full scope of work/supply of the products/goods will be rejected and only complete bids will be considered. IUAC reserves the right to accept / reject any / all tenders in part / full without assigning any reasons whatsoever, and the decision of IUAC in this regard will be binding on all the bidders.

ई.एम.डी. का भुगतान करने के लिए बोलीदाता को "ऑनलाइन" भुगतान विकल्प का चयन करना होगा, जो https://services.sabpaisa.in/pages/iuac.html लिंक पर जाकर लागू होगा। बयाना राशि ऑनलाइन भुगतान के रूप में होगी और इसे बोली खोलने से पहले जमा किया जाना चाहिए। एम.एस.एम.ई./एन.एस.आई.सी. में पंजीकृत बोलीदाताओं को ई.एम.डी. के भुगतान से छूट दी गई है। तथापि, उन्हें बोली सुरक्षा घोषणा प्रपत्र जमा करना होगा। एम.एस.एम.ई./एन.एस.आई.सी.(निविदा की गई वस्तु/कार्य के लिए पंजीकृत इकाई) से पंजीकृत निविदाकारों को तकनीकी बोली के साथ वैध पंजीकरण प्रमाणपत्र की प्रति https://eprocure.gov.in/eprocure/app वेबसाइट पर अपलोड करनी होगी।

Bidder has to select the payment option as "online" to pay the EMD as applicable by going to the link https://services.sabpaisa.in/pages/iuac.html . The Earnest Money Deposit shall be in the form of online payment and it should be deposited before the bid opening. Bidders registered with MSME/NSIC are exempted from payments of EMD. However, they have to submit Bid Security Declaration Form. Tenderers registered with MSME/NSIC (the unit being registered for the item/work tendered) are required to upload copy of valid registration certificate in the website <a href="https://eprocure.gov.in/eprocure/app">https://eprocure/app</a> along with technical bid.

बोलीदाताओं को इस बात को विशेष ध्यान में रखने की सलाह दी जाती है कि वे अनिवार्य रूप से उपलब्ध कराए गए प्रारूप में ही अपनी वित्तीय बोलियां जमा करें और कोई अन्य प्रारूप स्वीकार्य नहीं होगा। यदि मूल्य बोली निविदा दस्तावेज के साथ मानक .XLS BOQ प्रारूप के रूप में दी गई है, तो इसेही डाउनलोड करना होगा और प्रारूप को संशोधित किए बिना ऑनलाइन भरना और जमा करना होगा। यदि बोलीदाता द्वारा BOQ फाइल को संशोधित पाया जाता है, तो बोली को अस्वीकार कर दिया जाएगा।

Bidders are advised to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard .XLS BOQ Format with the tender document, then the same is to be downloaded and to be filled and submitted online without modifying the format. If the BOQ file is found to be modified by the bidder, the bid will be rejected.

उपरोक्त निविदा के संबंध में कोई भी शुद्धिपत्र/संशोधन केवल <a href="https://eprocure.gov.in">https://eprocure.gov.in</a> और <a href="www.iuac.res.in">www.iuac.res.in</a> वेबसाइट पर जारी किया जाएगा। बोलीदाता, अपनी बोली जमा करने से पहले निविदा दस्तावेज से संबंधित, प्रकाशित होने वाले किसी भी शुद्धिपत्र की जानकारी रखें। निदेशक, अंतर-विश्वविद्यालय त्वरक केंद्र के पास बिना कोई कारण बताए किसी भी/सभी निविदाओं को आंशिक/पूर्ण रूप से स्वीकार/अस्वीकार करने का अधिकार सुरक्षित है।

Any Corrigendum / Amendments in respect of above tender shall be issued on website <a href="https://eprocure.gov.in">https://eprocure.gov.in</a> and <a href="www.iuac.res.in">www.iuac.res.in</a> only. Bidders should take into account any corrigendum published on the tender document before submitting their bids. The Director, IUAC reserves the right to accept/reject any/all tenders in part/full without assigning any reasons thereof.

#### INSTRUCTIONS TO BIDDERS

#### REGISTRATION PROCESS ON CPP PORTAL FOR ONLINE BIDDING

1 Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a>) by clicking on the link "Online Bidder Enrolment" on the CPP Portal which is free of charge.

Bidder who registered already may skip the registration process and login to site through their user ID/Password

- 2 As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 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.
- 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 / nCode / eMudhra/ Nic etc.), with their profile.
- 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 DSC's to others which may lead to misuse.
- **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 / e-Token.

#### SEARCHING FOR TENDER DOCUMENTS

- 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.
- 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.
- 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.

#### **PREPARATION OF BIDS**

- 1 Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- Bidder, in advance, should 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/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.

3 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, GST Certificate etc.) has been provided to the bidders. Bidders can use "My Space" or ''Other Important Documents' 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.

Note: Bidder should take into account any corrigendum published on the tender document before submitting their bids.

#### **INSTRUCTIONS FOR SUBMISSION OF BIDS**

- 1. The tender documents are available on our website www.iuac.res.in & www.eprocure.gov.in.
- 2. Tender documents may be downloaded from IUAC's website <u>www.iuac.res.in</u> and CPPP site <u>http</u> <u>s://eprocure.gov.in/eprocure/app</u> as per the schedule as given in the tender document.
- 3. The tender shall be submitted online in two parts, viz., technical bid and Financial (price Bid) bid.
- 4. The offers submitted by hand/Post/Fax/email shall not be considered. No correspondence will be entertained in this matter.
- 5. All the pages of bid being submitted must be sequentially numbered by the bidder irrespective of nature and content of the documents before uploading.
- 6. 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.
- 7. Bidder should log into the site well in advance for bid submission so that they can 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.
- 8. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- 9. Bidders are requested to note that they should necessarily submit their financial (price Bid) bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BOQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. 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.
- 10. 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.
- 11. 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. Any bid document that is uploaded to the server is

subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid opener's public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.

- 12. The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 13. Upon the successful and timely submission of bids (i.e., after Clicking "Freeze Bid Submission" in the portal), 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.
- 14. The bid summary has to be printed and kept as an acknowledgment of the submission of the bid. This acknowledgment may be used as an entry pass for any bid opening meetings.
- 15. Not more than one tender shall be submitted by one contractor or contractors having business relationship. Under no circumstance will father and his son(s) or other close relations who have business relationship with one another (i.e., when one or more partner(s)/director(s) are common) be allowed to tender for the same contract as separate competitors. A breach of this condition will render the tenders of both parties liable to rejection.
- 16. The bidders are advised to visit CPPP website <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a> at least 3 days prior to closing date of submission of tender for any corrigendum / addendum/ amendment.
- 17. Bids will be opened as per date/time as mentioned in the **Tender Document.** After online opening and evaluation of technical bids, the results of their qualification as well Price-Bid opening will be intimated.
- 18. Submission of a tender by a tenderer implies that he has read all the stipulations contained in this tender document and has acquainted him of the nature, scope and specifications of the items to be followed.
- 19. The tenderer shall submit all documents after duly filling the same in all respects. Tenders which are found to be vague or incomplete shall be rejected summarily.
- 20. Tenders shall be submitted ON-LINE; it shall be signed by one who has been authorized by the board of director / director / manufacture/ firm owner /their authorized agents through a resolution/ authority letter. Copy of the resolution/ authority letter in favor of the person signing must accompany the tender.
- 21. Tenders containing erasures and alterations of the tender documents are liable to be rejected unless these are authenticated by the person signing the Tender Documents.

#### 22. Code of Integrity for Public Procurement

IUAC requires that the bidders, suppliers and contractors observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy, the following are defined:

Sr. No.	Term	Meaning
(a)	Corrupt	The offering, giving, receiving, or soliciting, directly or indirectly, of anything
	practice	of value to influence the action of a public official in the procurement process
		or in contract execution.
(b)	Fraudulent	a misrepresentation or omission of facts in order to influence a procurement
	practice	process or the execution of a contract.
(c)	Collusive	means a scheme or arrangement between two or more bidders, with or without
	practice	the knowledge of the purchaser, designed to establish bid prices at artificial,
		non-competitive levels.

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(d)	Coercive	means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect
	practice	the execution of a contract.
(a)	<b>+</b>	
(e)	Anti-	any collusion, bid rigging or anti-competitive arrangement, or any other
	competitive	practice coming under the purview of the Competition Act, 2002, between
	practice	two or more bidders, with or without the knowledge of the purchaser, that
		may impair the transparency, fairness and the progress of the procurement
		process or to establish bid prices at artificial, non-competitive levels
(f)	Conflict of	participation by a bidding firm or any of its affiliates that are either involved
	interest	in the consultancy contract to which this procurement is linked; or if they are
		part of more than one bid in the procurement; or if the bidding firm or their
		personnel have relationships or financial or business transactions with any
		official of purchaser who are directly or indirectly related to tender or
		execution process of contract; or improper use of information obtained by the
		(prospective) bidder from the purchaser with an intent to gain unfair
		advantage in the procurement process or for personal gain
(g)	Obstructive	materially impede the purchaser's investigation into allegations of one or
	Practice	more of the above mentioned prohibited practices either by deliberately
		destroying, falsifying, altering; or by concealing of evidence material to the
		investigation; or by making false statements to investigators and/or by
		threatening, harassing or intimidating any party to prevent it from disclosing its
		knowledge of matters relevant to the investigation or from pursuing the
		investigation; or by impeding the purchaser's Entity's rights of audit or access
		to information.
		to information.

#### ASSISTANCE TO BIDDERS

- 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.
- 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 Help desk. The contact number for the help desk is 1800 3070 2232.

#### **E - TENDER DOCUMENT**

Name of Work / Supply	Supply of Polarization vs Electric field (P-E) loop system for sample characterization at IUAC, New Delhi as per Annexure A
Tender Number	IUAC/NIT/24/RCM/2023-24
Tender Value / Estimate only	Rs. 45,00,000/- (Forty-five lac only/)
Earnest Money Deposit	Rs. 90,000/- (Ninety Thousand)
Tender Document Fee	NIL
Bid Submission End Date and Time (Part - A and Part - B)	28/02/2024 at 3.00 pm
Technical Bid Opening Date (Part - A)	29/02/2024 at 3.30 pm
Price Bid Opening Date (Part - B)	To be intimated later on to the technically qualified bidders
Mandatory Minimum Local Content	<ol> <li>50% for Class I 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& No. 15)
Contact Person	Administrative Officer (S&P) / Ramcharan Meena E-mail: <u>iuacstores@gmail.com</u> / <u>ramcharanmeena19921992@gamil.com</u> Phone: 011-24126018, 24126022.

#### **General Terms and Conditions of the Tender:**

#### 1. Submission of Tender:

Tenders should be uploaded on CPP Portal in two parts, i.e., Technical Bid (Part - A) and Price Bid / BOQ (Part - B).

#### 2. Technical Bid (Part - A):

#### Prequalification of the bidder

The bidder **should be** an indigenous supplier only. A reputed Firm / Company / Original Equipment Manufacturer (OEM), their authorized (sales and service) representatives, or a vendor who have supplied high-end scientific equipment to reputed laboratories worldwide or in India are eligible to quote. The authorized representatives shall have to submit the certificate of authorization from the OEM along with the BID. Other vendors must submit a copy of successfully executed Purchase Order of high-end scientific items delivered in the last 5 years.

In case of any manufacturing defect or failure of the system during warranty period, the replacement of the same should be provided by the vendor.

No deviations in respect of NIT conditions are acceptable. In this bid, the bidder should upload the following documents:

- 1. Tender Acceptance Letter (written on company letter head, duly signed and stamped.) as per format provide in **Annexure B**, as a token of acceptance of the NIT conditions, with this bid.
- 2. Profile of the Tenderer as per **Annexure C**.
- 3. Proof of Earnest Money Deposit & MSME have to submit Bid Securing Declaration in lieu of EMD/Bid Security as per **Annexure J**.
- 4. Code of Integrity & Conflict of Interest undertaking on letter head as per **Annexure D**.
- 5. Undertaking by the bidder as per Annexure F.
- 6. Declaration of local content as per Annexure G.
- 7. Check list for pre-qualification Bid as per Annexure H.
- 8. The quoted item should be a standard catalogue product, displayed prominently in product catalogue / OEM website.
- 9. Obsolete products / models should not be quoted. A certificate for this must be submitted.
- 10. Authorized Distribution Certificate with a valid authorization from the OEM / undertaking on letter head about authorized distributorship for the tendered items in India should be provided.
- 11. Proof of delivery of high-end scientific equipment in the form of One copy of successfully executed purchase order value more than 80% of the estimated value Rs 36,00,000/- (Rupees Thirty six lacs) or two copy of order value each of 50% of the estimated value Rs 22,50,000/- (Rupees (twenty two Lacs, Fifty Thousand) for the supply of similar kind of items to reputed organizations, Govt. Dept.(Central/State), PSU & Autonomous bodies/Universities in India in the last 5 years.
- 12. Technical specifications / datasheets / user manual of the product indicating its ability to meet the technical specifications laid down **Annexure A** of this NIT.
- 13. The bidder should not be blacklisted by any Government, or Government Department, whether in the Central/State/District levels across India. An undertaking in this regard as per **Annexure-B** should be enclosed with the Technical Bid.
- 14. Copies of previous three financial years (2020-21, 2021-22 & 2022-23) Income Tax Return (ITR).
- 15. Average annual turnover during the last three financial years ending 31st March, 2023 [2020-21, 2021-22 & 2022-23] shall be at least Rs.50.00 lakhs. Duly audited financial statement/balance sheet/certified by CA to be submitted as supporting documents.
- 16. Self- attested copies of GST registration and PAN number.
- 17. The Compliance form duly filled confirming the technical requirements of the product as per **Annexure-**I.

#### <u>Technical bids which are not confirming to the technical specifications will be disqualified.</u>

#### 3. Price Bid / BOQ (Part - B):

In this bid, the bidder is required to quote unconditional rates in the .XLS BOQ format provided with this tender. Quotes in INR will only be accepted.

The Indigenous suppliers quoting in INR should quote the rates all-inclusive up to IUAC and excluding GST. IUAC is exempted from Customs Duty and GST and necessary certificates shall be issued by IUAC along with the PO. The BOQ file must not be modified.

The following information to be provide along with Price Bid:

#### 4. Bid Opening and Evaluation of Bids

Opening of Bids:

- a. The E-bids shall be opened on-line. The technical bids will be evaluated to shortlist the eligible bidders. The technical bids of only eligible bidders shall be considered for further processing (technical evaluation).
- b. Bidder whose technical bid is found to be acceptable and meeting the eligibility requirements as specified in this tender will be considered as technically qualified.
- c. IUAC will open commercial bids of only the technically qualified/short-listed bids.
- d. In case, the day of bid opening is declared a holiday by the government, the E-bids will be opened on the next working day at the same time. No separate intimation shall be sent to the bidders in this regard
- e. Since E-bid is an on-line process, the E-bid opening or any other process may be delayed due to any technical/server issue. If any such issue arises, this will not be tantamount to process delay and IUAC will not be responsible for the same.
- f. On opening of bids on-line, accepting the bid would not mean that the firm is technically or financially qualified.

#### 4.aClarification of Bids and shortfall documents

- (a) During the evaluation of Techno commercial or Financial Bids, Indenter on behalf of IUAC may, at its discretion, but without any obligation to do so, ask Bidder to clarify its bid by a specified date. Bidder should answer the clarification within that specified date (or, if not specified, 7 days from the date of receipt of such request). The request for clarification shall be submitted in writing or electronically and no change in prices or substance of the bid shall be sought, offered or permitted that may grant any undue advantage to such bidder.
- (b) IUAC reserves its right to, but without any obligation to do so, to seek any shortfall information / documents only in case of historical documents which pre-existed at the time of the tender opening, and which have not undergone changes since then and does not grant any undue advantage to any bidder.

#### 5. Earnest Money Deposit:

EMD @ 2% of total estimate value Rs 90,000.00 (Rupees Ninety Thousand) is payable by the bidder. Bidder has to select the payment option as "online" to pay the EMD as applicable by going to the link https://services.sabpaisa.in/pages/iuac.html. The Earnest Money Deposit shall be in the form of online payment and it should be deposited before the bid opening. Bid Security shall be refunded to the un-successful bidders on award of contract and to successful bidders on receipt of Performance Security.

EMD is the mandatory requirement however the MSMEs/NSIC registered with Government Agencies are exempted from payment of Earnest Money Deposit (EMD) and are required to submit Bid Security Declaration form subject to conditions given below: -

- i) MSMEs participating in the tender must submit valid & authorized copy of certificate of registration. The MSME's Bidder to note and ensure that nature of services and goods/items manufactured mentioned in MSME's certificate matches with the nature of the services and goods /items to be supplied as per Tender.
- ii) The registration certificate issued by agencies must be valid as on Bid closing date of the tender. Bidder shall ensure validity of registration certificate in case bid closing date is extended.
- iii) The MSMEs who have applied for registration or renewal of registration with any of the authorized agencies / bodies but have not obtained the valid certificate as on close date of the tender, are not eligible for exemption / preference.

#### 6. Validity of Tender:

The rates quoted in the tender shall hold good for 90 days from the date of opening of the price bid. The validity of the rates is extendable for a period of 180 days from the date of issue of award letter with mutual consent of both the parties. No tenderer on his own withdraws or revokes the tender or revises or alters or modifies the tender for any item or condition within a period of aforesaid period of 90 days. No escalation of cost will be acceptable in any condition after opening of tender.

#### 7. Escalation / Deviation:

No escalation or deviation shall be allowed till execution of order / contract.

#### 8. Performance Security:

The supplier shall require to submit the Performance Security within 15 days on issue of LOI in the form of irrevocable bank guarantee or FDR issued by any Indian Nationalized Bank for an amount which is 5% of the contract value within 15 days from the date of receipt of the purchase order and should be kept valid for a period of 60 days beyond the all contractual obligation including guarantee period / defect liability period.

#### 9. Testing and Demonstration: -

The equipment should be supplied in a turn-key mode and be ready to install and operate. A team of experts constituted by IUAC will further test the equipment for its stated performance in the presence of the vendor. No separate charges for installation etc. will be paid to the vendor.

#### 10. Terms of Payment:

- a) 30% of the payment shall be made after receiving the material at IUAC.
- b) 70% of the payment shall be made after confirming the testing and installation at IUAC.
- c) The payment process will be initiated on submission of the bills by the bidder and after due certification by the concerned IUAC personnel.
- d) All payments will be made after statutory deductions.

#### 11. Guarantee/Defect liability period:

The supplied material should be guaranteed from manufacturing / engineering defect and bad material / workmanship for a minimum period of twelve months (1 years) from the date of acceptance of the goods by IUAC. During this period if any replacement/ repairs/ rectification of any of the supplied item etc. is needed, the supplier shall do the same free of cost to IUAC. If the equipment/ part needs to be shipped to the service Centre for repair/rectification during the guarantee period, the shipment charges should be borne by the supplier. The supplier shall guarantee that all equipment shall work satisfactorily and that the performance and efficiency of the equipment shall not be less than the specified values.

#### 12. Timeline for supply:

The material should be supplied within 30 days from the date of issue of Purchase order. Any delay in completion of the work/supply due to reasons attributable to the vendor / manufacturer is liable to liquidated damages as per Clause 13 of this NIT. However, under the force-majeure conditions as per clause 14 of this NIT, IUAC may grant suitable time extension for which vendor has to request along with the justification / reasons well in advance to the Director, IUAC for approval without any prejudice or price escalation.

#### 13. Liquidated damages:

In case the delivery of the listed items is delayed beyond the specified delivery period for reasons attributable to the supplier, deductions on account of liquidated damages @0.5% per week subject to maximum of 10% of the total order value will be deducted.

#### 14. Force Majeure:

IUAC may grant an extension of time limit set for the supply items in case it is delayed by force majeure beyond the supplier's control. Force majeure is defined an event of effect that cannot reasonably be anticipated such as acts of God (like earthquakes, floods, tsunami etc.), the direct and indirect consequences of wars (declared or undeclared), national emergencies, pandemics/epidemics, civil commotions and strikes (only those which exceeds a duration of ten continuous days) at successful Tenderer's factory. Apart from the extension of the time limit, force majeure does not entitle the successful tenderer to any relaxation or to any compensation of damage or loss suffered. The decision of the Director, IUAC will be final and binding for the bidder.

#### 15. Preference to make in India

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.EII) dated 16.09.2020 issued by DPIIT, Ministry of Commerce and Industry, Govt. of India as notified from time to time. (Submit duly filled Declaration of Content as per Annexure G). The Declaration of Content once submitted in the Technical Bid will be final. Submission of Revised Declaration of Content 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.

#### 16. Participation of IUAC Personnel:

The IUAC personnel will witness and participate in the complete process of testing, demonstration and operation of the system.

#### 17. Final Acceptance:

The final acceptance of the system is defined as successful completion of shipment, installation and acceptance tests at IUAC to substantiate compliance with the specification mentioned in Annexure A.

#### 18. Correspondence:

All the correspondence in respect of tender / contractual obligation shall be made to The Administrative Officer (S&P) / Shri Ramcharan Meena, Inter University Accelerator Centre, Aruna Asaf Ali Marg, New Delhi - 110067. E-mail: iuacstores@gmail.com / ramcharanmeena1992@gmail.com, Phone: +91-11-24126018, 24126022.

#### 19. Tender Rejection:

- (a) Director, IUAC reserves the right to accept/reject any/all tenders in part/full without assigning any reason whatsoever and the decision of the IUAC in this regard will be binding on all the bidders.
- (b) Bids received by means other than e procurement portal will be rejected.
- (c) Only complete bids will be considered, and incomplete bids will be rejected.
- (d) If BOQ file is found to be modified by the bidder, the bid will be rejected. Only INR quote will be acceptable.
- (e) Tenders not complying with any of the provisions stated in this tender document are liable to be rejected.
- (f) If the General Terms and conditions are not accepted and not signed by the bidders, then the tender will be rejected.
- (g) Tender will be rejected on non-submission of 'Bid Security Declaration'.

#### 20.Negotiations

Normally, there shall not be any negotiation. Negotiations, if at all, shall be an exception and only in the case of items with limited source of supply. Negotiations shall be held with the lowest evaluated responsive bidder. Counter offers tantamount to negotiations, shall be treated at par with negotiations.

#### 21. Termination for Insolvency

IUAC may at any time terminate the Contract by giving written notice to the Supplier, if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy, which has accrued or will accrue thereafter to the Purchaser.

21. This notice	inviting	tender	will	form	part	of t	he	contract	agreement	to	be	executed	by	the	successful
tenderer.															

The contract shall be governed by the Indian Laws. Any dispute arising out of this contract will be subjected to jurisdiction of New Delhi / Delhi only.

Accepted (Signature of Bidder)

#### SPECIAL TERMS AND CONDITIONS OF CONTRACT

#### 1.0 Carrying of work

All the work shall be carried out in accordance strictly as per the specifications given in the tender to the total satisfaction of the Institute.

#### 2.0 Contractors/Supplier Responsibility for the manner of Execution of Work

The contractor/s/supplier shall be solely responsible for the manner and the method of executing the work. The work shall be subject to the approval of IUAC from time to time for purposes of determination of the question whether the work is executed by the contractor in accordance with the contract.

#### 3.0 Specifications

During execution of work, the contractor/bidder should follow all standard norms of safety measures/precautions as per relevant codes to avoid accidents/damages to man, machines and buildings, at his own cost. If specifications for an item of work are not covered as per approved Specifications of tender, the same shall be decided by the Institute and shall be binding on the contractor.

#### 4.0 Agency's Risk

All risks of loss of a or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the contract other than the excepted risks are the responsibility of the contractor/supplier.

#### 5.0 Action and Compensation payable in case of Bad work

- 5.1If it shall appear to IUAC, or our representatives, that any work has been executed with unsound, imperfect or unskillful workmanship then the contractor/supplier shall be liable to pay compensation.
- 5.2 If during the execution of works, any damage is caused to IUAC property by contractor's/supplier's workers, contractor/supplier will duly make good the loss. IUAC has the right to make suitable deduction from contractor's/supplier's bills along with penalty, if contractor/supplier fails to make good the loss.
- 5.3 No material belonging to the contractor/supplier whether consumable or non-consumable should be brought inside the IUAC campus without proper entry at the Main Gate nor any material should be taken out without proper gate pass issued by the authorized representatives of the Centre. Material delivery challans duly entered at the main gate shall to be submitted. It shall always prevail, unless otherwise specifically stated, that the entire provisions of Tender document been opened upon and accepted for compliance by the contractor/supplier without any reservation.
- 5.4If during the execution of works, any damage is caused to IUAC property by contractor's/supplier's workers, contractor/supplier will duly make good the loss. IUAC has the right to make suitable deduction from contractor's bills along with penalty, if contractor/supplier fails to make good the loss.
- **6.0** During execution of work, the contractor/supplier should follow all standard norms of safety measures/precautions as per relevant codes to avoid accidents/damages to man, machines and buildings, at his own cost. Contractor/supplier will have his own arrangement to escort the labor to the nearest hospital for treatment in case any injury happens to any worker during execution of work.

Seal & Signature of Bidder/Bidder

#### Annexure - A

Detailed technical specifications for one units of Polarization vs Electric field (P-E) loop system for sample characterization at IUAC, New Delhi are as below:

#### **TECHNICAL SPECIFICATIONS**

- 1. The bidder must provide detailed specifications of each equipment/item. Model numbers, data sheets and brochures must be included for each quoted equipment/accessories/item. Specifications corresponding to quoted model number must be available publicly via OEM's website for scrutiny. If not, the bid can be disqualified on technical grounds.
- 2. The Institute reserves the right to ask for photographs/CAD drawings/ design proofs to satisfy themselves of the proven capabilities of the system being offered. The bidder must provide these details within two working days of receiving such a request via email. Decisions regarding technical compliance of the bidder can be taken based on this information.
- 3. Compliance sheet for the technical specification and OEM Brochure have to be attached along with the technical bid. Vendor has to fill in the compliance sheet and mention page number or reference number in the OEM brochure. Unfilled /partially filled sheets lead to disqualification.

	Item	Required Specification			
A. Me	asurement Capabilities				
1		$10~V$ in-built with expandable range up to $\pm 10~kV$ peak to peak			
2	Number of ADC Bits	≥ 18 bits			
3	Minimum Charge Resolution using a built- in electron counter circuit or electrometer	≤ 10 fC			
4	Maximum Charge Resolution	≥ 250 µC			
5	Maximum Number of Data Points	≥ 32000 points			
6	Internal Clock	≤ 30 ns			
7	Note: Detailed annotated pictures of	(a) External Sensor Input port - Two independent channels. Should accept analog input in the $\pm 10$ V range with 18 BIT or higher resolution.			
	demonstrating capability for (a), (b), (c), (d) needs to be attached with bid. Unclear	(b)External Voltage Forcing port - to accept voltage from external signal generator that will be directly applied to the device under test.			
	information will lead to disqualification.	(c) Sync Port - should allow for triggering of charge measurement using an external trigger. The tester/setup must be capable of capturing external sensor data synchronously with polarization measurements.			
8	with no hardware configuration change or simultaneous measurement capability)	(a) Hysteresis, (b) Remanent Hysteresis, (c) Leakage current, (d) Charge, (e) Retain, (f) Resist, (g) Fatigue, (h) IV, (i) CV, (j) PUND, (k) Imprint, (l) Poling, (m) Dynamic Leakage Compensation/Time dependent compensation etc.  System should not require any dedicated sample holder up to ±10 kV. Any kind of sample should be connected with appropriate wiring should be measured. Connection to any available cooling chamber/heating chuck should			

		be supported.
9	Software	<ul> <li>(a) The software operating the tester must be programmable and capable of executing all measurement types in an arbitrary order without configuration change (ie with no connection changes made to the sample while testing all parameters simultaneously).</li> <li>(b) Captured data must be automatically stored and easily transferred to other systems using network protocols.</li> <li>(c) Computer and Ferroelectric Test System should be separate and connected through USB Cable, so that in future any advanced new computer can be utilized with Ferroelectric Test System.</li> <li>(d) The system should incorporate software for Poling (AC+DC) Studies of samples.</li> <li>(e) The system should incorporate software for C(V) Measurement from 1Hz to 20 kHz.</li> <li>(f) The system should incorporate software for Time Dependent Compensation/ Dynamic Leakage Compensation.</li> </ul>
10	Probing Unit	<ul> <li>(g) Software for Curve Energy measurements.</li> <li>(a) 2-Probe Positioners</li> <li>(b) Spring type tip holder</li> <li>(c) Tip material: Tungsten (tip diameter ≤ 5 μm)</li> <li>(d) No of tipe required: 10</li> </ul>
1		(a) No of tibs required: 10
11	Measurement temperature range and resolution	<ul> <li>(d) No of tips required: 10</li> <li>(a)Room temperature to 200°C should be covered.</li> <li>(b) Resolution / accuracy of ≤ 0.2 °C.</li> </ul>
		(a)Room temperature to 200°C should be covered.
	resolution  arge and Current Hysteresis Capability	(a)Room temperature to 200°C should be covered.
	resolution	<ul><li>(a)Room temperature to 200°C should be covered.</li><li>(b) Resolution / accuracy of ≤ 0.2 °C.</li></ul>
	resolution  arge and Current Hysteresis Capability  Minimum Hysteresis Frequency	(a)Room temperature to 200°C should be covered.  (b) Resolution / accuracy of ≤ 0.2 °C.  ≤ 0.05 Hz  At 5 kHz ± 10V or higher  (a)Inbuilt Waveforms: (At least) Triangular, Sinusoid, Triangular, Sinusoid, Inverse cosine, Double bipolar sine, Switched triangular, Unswitched triangular/ 10% pulse for charge decay characterization.  (b) User Defined: Capability to generate waveform from file with at least 32000 points.  (c) External Input: Capability to directly apply external
B. Cha	marge and Current Hysteresis Capability  Minimum Hysteresis Frequency  Maximum Hysteresis Frequency  Waveforms  Note: Detailed annotated screenshots of GUI demonstrating capability for (a) and (b) needs to be attached with bid. Unclear	(a)Room temperature to 200°C should be covered. (b) Resolution / accuracy of ≤ 0.2 °C.  ≤ 0.05 Hz  At 5 kHz ± 10V or higher (a)Inbuilt Waveforms: (At least) Triangular, Sinusoid, Triangular, Sinusoid, Inverse cosine, Double bipolar sine, Switched triangular, Unswitched triangular/ 10% pulse for charge decay characterization. (b) User Defined: Capability to generate waveform from file with at least 32000 points.
B. Cha	marge and Current Hysteresis Capability  Minimum Hysteresis Frequency  Maximum Hysteresis Frequency  Waveforms  Note: Detailed annotated screenshots of GUI demonstrating capability for (a) and (b) needs to be attached with bid. Unclear information will lead to disqualification.	(a)Room temperature to 200°C should be covered. (b) Resolution / accuracy of ≤ 0.2 °C.  ≤ 0.05 Hz  At 5 kHz ± 10V or higher (a)Inbuilt Waveforms: (At least) Triangular, Sinusoid, Triangular, Sinusoid, Inverse cosine, Double bipolar sine, Switched triangular, Unswitched triangular/ 10% pulse for charge decay characterization. (b) User Defined: Capability to generate waveform from file with at least 32000 points. (c) External Input: Capability to directly apply external voltage source to device under test.
B. Cha	marge and Current Hysteresis Capability  Minimum Hysteresis Frequency  Maximum Hysteresis Frequency  Waveforms  Note: Detailed annotated screenshots of GUI demonstrating capability for (a) and (b) needs to be attached with bid. Unclear information will lead to disqualification.  sed Measurement Capability  Minimum Pulse Width	(a)Room temperature to 200°C should be covered.  (b) Resolution / accuracy of ≤ 0.2 °C.  ≤ 0.05 Hz  At 5 kHz ± 10V or higher  (a)Inbuilt Waveforms: (At least) Triangular, Sinusoid, Triangular, Sinusoid, Inverse cosine, Double bipolar sine, Switched triangular, Unswitched triangular/ 10% pulse for charge decay characterization.  (b) User Defined: Capability to generate waveform from file with at least 32000 points.  (c) External Input: Capability to directly apply external voltage source to device under test.
B. Cha	marge and Current Hysteresis Capability  Minimum Hysteresis Frequency  Maximum Hysteresis Frequency  Waveforms  Note: Detailed annotated screenshots of GUI demonstrating capability for (a) and (b) needs to be attached with bid. Unclear information will lead to disqualification.	(a)Room temperature to 200°C should be covered. (b) Resolution / accuracy of ≤ 0.2 °C.  ≤ 0.05 Hz  At 5 kHz ± 10V or higher (a)Inbuilt Waveforms: (At least) Triangular, Sinusoid, Triangular, Sinusoid, Inverse cosine, Double bipolar sine, Switched triangular, Unswitched triangular/ 10% pulse for charge decay characterization. (b) User Defined: Capability to generate waveform from file with at least 32000 points. (c) External Input: Capability to directly apply external voltage source to device under test.

	Note: Detailed annotated screenshots of GUI demonstrating capability for (a), (b) needs to be attached with bid. Unclear information will lead to disqualification	(b) User Defined: Capability to build pulse waveform incorporating (at least) four pulse periods. In each period, capability to set the:  (i) Negative voltage value and time
		<ul><li>(ii) Two different positive values and times</li><li>(iii) Zero voltage value and time</li></ul>
		.,
D. Ca	pacitance Measurement Capability	
1	Minimum Small Signal Capacitance	≤ 1 Hz
	Measurement Frequency	
2	Maximum Small Signal Capacitance	$\geq$ 20 kHz
	Measurement Frequency	
3	Minimum Leakage Current that can be	$\leq$ 2pA (the same will be checked during installation,
	measured (assuming current integration	mention level of accuracy)
	period of at least 20 seconds)	
4	Input Capacitance of Tester	≤100 fF (femto farads)
5	Bias Waveforms	Inbuilt support for switched and unswitched waveforms mandatory.
E. Ref	ference Elements	
Note:		ility described above.  with the ferroelectric tester for each of the reference item
Note:		ility described above. with the ferroelectric tester for each of the reference item ualification.  Resistance ≥ 10 Mohm with 1% or better precision
Note: as liste	Bidder must also provide Test Data collected ved below. Unclear information will lead to disq  Precision Resistor	ility described above.  with the ferroelectric tester for each of the reference item ualification.  Resistance ≥ 10 Mohm with 1% or better precision Test Data Required: Charge-Voltage hysteresis loop.
Note: as liste	Bidder must also provide Test Data collected ved below. Unclear information will lead to disq	lity described above.  with the ferroelectric tester for each of the reference item ualification.  Resistance ≥ 10 Mohm with 1% or better precision Test Data Required: Charge-Voltage hysteresis loop.  Capacitance ≤ 1nF
Note: as liste	Bidder must also provide Test Data collected ved below. Unclear information will lead to disq  Precision Resistor  Linear Capacitor	lity described above.  with the ferroelectric tester for each of the reference item ualification.  Resistance ≥ 10 Mohm with 1% or better precision Test Data Required: Charge-Voltage hysteresis loop.  Capacitance ≤ 1nF Test Data Required: Charge-Voltage hysteresis loop
Note: as liste	Bidder must also provide Test Data collected ved below. Unclear information will lead to disq  Precision Resistor	lity described above.  with the ferroelectric tester for each of the reference item ualification.  Resistance ≥ 10 Mohm with 1% or better precision Test Data Required: Charge-Voltage hysteresis loop.  Capacitance ≤ 1nF Test Data Required: Charge-Voltage hysteresis loop Thin film ferroelectric with remnant polarization ≥ 4
Note: as liste	Bidder must also provide Test Data collected ved below. Unclear information will lead to disq  Precision Resistor  Linear Capacitor	lity described above. With the ferroelectric tester for each of the reference item ualification.  Resistance $\geq 10$ Mohm with 1% or better precision Test Data Required: Charge-Voltage hysteresis loop.  Capacitance $\leq 1$ nF  Test Data Required: Charge-Voltage hysteresis loop  Thin film ferroelectric with remnant polarization $\geq 4$ $\mu$ C/cm <sup>2</sup> and coercive voltage $\leq 15$ V.
Note: as liste	Bidder must also provide Test Data collected ved below. Unclear information will lead to disq  Precision Resistor  Linear Capacitor	lity described above. With the ferroelectric tester for each of the reference item ualification.  Resistance $\geq 10$ Mohm with 1% or better precision Test Data Required: Charge-Voltage hysteresis loop.  Capacitance $\leq 1nF$ Test Data Required: Charge-Voltage hysteresis loop  Thin film ferroelectric with remnant polarization $\geq 4$ $\mu$ C/cm <sup>2</sup> and coercive voltage $\leq 15$ V.  Test Data Required: Charge-Voltage hysteresis loop
Note: as liste	Bidder must also provide Test Data collected ved below. Unclear information will lead to disq  Precision Resistor  Linear Capacitor	with the ferroelectric tester for each of the reference itempualification.  Resistance ≥ 10 Mohm with 1% or better precision Test Data Required: Charge-Voltage hysteresis loop.  Capacitance ≤ 1nF Test Data Required: Charge-Voltage hysteresis loop Thin film ferroelectric with remnant polarization ≥ 40 μC/cm² and coercive voltage ≤ 15 V. Test Data Required: Charge-Voltage hysteresis loop Note: Additional external test Ferroelectric
Note: as liste	Bidder must also provide Test Data collected ved below. Unclear information will lead to disq  Precision Resistor  Linear Capacitor	lity described above. With the ferroelectric tester for each of the reference item ualification.  Resistance $\geq 10$ Mohm with 1% or better precision Test Data Required: Charge-Voltage hysteresis loop.  Capacitance $\leq 1nF$ Test Data Required: Charge-Voltage hysteresis loop  Thin film ferroelectric with remnant polarization $\geq 4$ $\mu\text{C/cm}^2$ and coercive voltage $\leq 15$ V.  Test Data Required: Charge-Voltage hysteresis loop
Note: as listed 1 2 3 F. Hig	Bidder must also provide Test Data collected wed below. Unclear information will lead to disq  Precision Resistor  Linear Capacitor  Ferroelectric Capacitor  th Voltage Capabilities	lity described above.  with the ferroelectric tester for each of the reference item ualification.  Resistance ≥ 10 Mohm with 1% or better precision Test Data Required: Charge-Voltage hysteresis loop.  Capacitance ≤ 1nF Test Data Required: Charge-Voltage hysteresis loop Thin film ferroelectric with remnant polarization ≥ 4  μC/cm² and coercive voltage ≤ 15 V. Test Data Required: Charge-Voltage hysteresis loop Note: Additional external test Ferroelectric Capacitors (3 Numbers) must also be provided.
Note: as listed 1 2 3	Bidder must also provide Test Data collected we ded below. Unclear information will lead to disque the Precision Resistor  Linear Capacitor  Ferroelectric Capacitor  The Voltage Capabilities  Items required for testing samples up to +/-10	lity described above.  with the ferroelectric tester for each of the reference item ualification.  Resistance ≥ 10 Mohm with 1% or better precision Test Data Required: Charge-Voltage hysteresis loop.  Capacitance ≤ 1nF Test Data Required: Charge-Voltage hysteresis loop Thin film ferroelectric with remnant polarization ≥ 4  μC/cm² and coercive voltage ≤ 15 V. Test Data Required: Charge-Voltage hysteresis loop Note: Additional external test Ferroelectric Capacitors (3 Numbers) must also be provided.
Note: as listed 1 2 3	Bidder must also provide Test Data collected weed below. Unclear information will lead to disque Precision Resistor  Linear Capacitor  Ferroelectric Capacitor  th Voltage Capabilities  Items required for testing samples up to +/-10  High Voltage Amplifier.	lity described above.  with the ferroelectric tester for each of the reference item ualification.  Resistance ≥ 10 Mohm with 1% or better precision Test Data Required: Charge-Voltage hysteresis loop.  Capacitance ≤ 1nF Test Data Required: Charge-Voltage hysteresis loop Thin film ferroelectric with remnant polarization ≥ 4  μC/cm² and coercive voltage ≤ 15 V. Test Data Required: Charge-Voltage hysteresis loop Note: Additional external test Ferroelectric Capacitors (3 Numbers) must also be provided.
Note: as listed 1 2 3 F. Hig	Bidder must also provide Test Data collected were dead below. Unclear information will lead to disque the Precision Resistor  Linear Capacitor  Ferroelectric Capacitor  The Voltage Capabilities  Items required for testing samples up to +/-10  High Voltage Amplifier.  (a) Voltage Range (spec A.1) should be +/-	Resistance ≥ 10 Mohm with 1% or better precision Test Data Required: Charge-Voltage hysteresis loop. Capacitance ≤ 1nF Test Data Required: Charge-Voltage hysteresis loop Thin film ferroelectric with remnant polarization ≥ 4 μC/cm² and coercive voltage ≤ 15 V. Test Data Required: Charge-Voltage hysteresis loop Note: Additional external test Ferroelectric Capacitors (3 Numbers) must also be provided.
Note: as listed 1 2 3	Bidder must also provide Test Data collected weed below. Unclear information will lead to disque Precision Resistor  Linear Capacitor  Ferroelectric Capacitor  th Voltage Capabilities  Items required for testing samples up to +/-10  High Voltage Amplifier.	lity described above.  with the ferroelectric tester for each of the reference item ualification.  Resistance ≥ 10 Mohm with 1% or better precision Test Data Required: Charge-Voltage hysteresis loop.  Capacitance ≤ 1nF Test Data Required: Charge-Voltage hysteresis loop Thin film ferroelectric with remnant polarization ≥ 4  μC/cm² and coercive voltage ≤ 15 V. Test Data Required: Charge-Voltage hysteresis loop Note: Additional external test Ferroelectric Capacitors (3 Numbers) must also be provided.
Note: as listed 1 2 3	Bidder must also provide Test Data collected were dead below. Unclear information will lead to disque the Precision Resistor  Linear Capacitor  Ferroelectric Capacitor  The Voltage Capabilities  Items required for testing samples up to +/-10  High Voltage Amplifier.  (a) Voltage Range (spec A.1) should be +/-	Resistance ≥ 10 Mohm with 1% or better precision Test Data Required: Charge-Voltage hysteresis loop.  Capacitance ≤ 1nF Test Data Required: Charge-Voltage hysteresis loop Thin film ferroelectric with remnant polarization ≥ 4 μC/cm² and coercive voltage ≤ 15 V. Test Data Required: Charge-Voltage hysteresis loop Note: Additional external test Ferroelectric Capacitors (3 Numbers) must also be provided.
Note: as listed 1  2  3  F. Hig Note: 1	Bidder must also provide Test Data collected were dead below. Unclear information will lead to disquize the Precision Resistor  Linear Capacitor  Ferroelectric Capacitor  The Voltage Capabilities  Items required for testing samples up to +/-10  High Voltage Amplifier.  (a) Voltage Range (spec A.1) should be +/- (b) Overload and over current protection.	Resistance ≥ 10 Mohm with 1% or better precision Test Data Required: Charge-Voltage hysteresis loop.  Capacitance ≤ 1nF Test Data Required: Charge-Voltage hysteresis loop Thin film ferroelectric with remnant polarization ≥ 4 μC/cm² and coercive voltage ≤ 15 V. Test Data Required: Charge-Voltage hysteresis loop Note: Additional external test Ferroelectric Capacitors (3 Numbers) must also be provided.
Note: as listed 1  2  3  F. Hig Note: 1	Bidder must also provide Test Data collected were deal below. Unclear information will lead to disquize the Precision Resistor  Linear Capacitor  Ferroelectric Capacitor  The Voltage Capabilities  Items required for testing samples up to +/-10  High Voltage Amplifier.  (a) Voltage Range (spec A.1) should be +/-(b) Overload and over current protection.  The University of the Listed capabilities.	Resistance ≥ 10 Mohm with 1% or better precision Test Data Required: Charge-Voltage hysteresis loop.  Capacitance ≤ 1nF Test Data Required: Charge-Voltage hysteresis loop Thin film ferroelectric with remnant polarization ≥ 4 μC/cm² and coercive voltage ≤ 15 V. Test Data Required: Charge-Voltage hysteresis loop Note: Additional external test Ferroelectric Capacitors (3 Numbers) must also be provided.

- The system should be upgradable for Magnetoelectric coefficient measurements as followed:
  - a. Magnetoelectric Charge Coefficient
  - b. Magnetoelectric Voltage Coefficient
  - c. Magnetoelectric Coupling Coefficient

#### NOTE:

- 1. The system should be completely upgradable in future.
- 2. Price should be quoted in INR as F.O.R, IUAC, Delhi, including Transportation, Installation, Commissioning and packing charges.
- 3. The bidder must provide detailed specification of each equipment/item. Model numbers, data sheets and brochures must be included for each quoted equipment/accessories/item. Specifications corresponding to quoted model number must be available publicly via OEM's website for scrutiny. If not, the bid can be disqualified on technical grounds.
- 4. The Institute reserves the right to ask for photographs/CAD drawings/ design proofs to satisfy themselves of the proven capabilities of the system being offered. The bidder must provide these details within two working days of receiving such a request via email. Decisions regarding technical compliance of the bidder can be taken on the basis of this information.
- 5. Compliance sheet for the technical specification and OEM Brochure have to be attached along with the technical bid. Vendor has to fill the compliance sheet and mention page number or reference number in the OEM brochure. Unfilled / partially filled sheets lead to disqualification.

ALL INFORMATION REGARDING EACH AND EVERY SPECIFICATION/ MEASUREMENTS /CALCULATIONS SHOULD BE MENTIONED IN THE OFFICIAL COMPANY WEBSITE. DATA IN TYPED FORMAT ON COMPANY LETTERHEAD IS ALSO UNACCEPTABLE (DATA HAS TO BE SUPPORTED WITH EVIDENCE/ RESEARCH PAPERS ON OFFICIAL COMPANY WEBSITE ONLY). BIDS THAT ARE NOT SUPPORTED BY LITERATURE ON OFFICIAL COMPANY WEBSITE WILL BE REJECTED WITHOUT GIVING ANY NOTICE. ALL DATA WILL BE CHECKED/ CROSS CHECKED FROM THE OFFICIAL COMPANY WEBSITE.

Seal & Signature of Bidder/Bidder

## SPECIAL INSTRUCTIONS TO BIDDERS FOR REGISTRATION WITH COMPETENT AUTHORITY

#### **Bidders Registration**

- 1) 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 constituted by the Department for Promotion of Industry and Internal Trade (DPIIT).
- 2) "Bidder" for the purpose of this tender (including) the term 'tender', 'consultant' 'vendor' 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 person, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated here in before, including any agency, branch or office controlled by such person, participating in a procurement process.
- 3) "Bidder from a country which shares a land border with India" for the purpose of this tender 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 a 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
- 4) "The Beneficial owner" for the purpose of (3) 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(s), has a controlling ownership interest or who exercises control through other means.

Explanation: -

- a) "Controlling ownership interest" means ownership of, or entitlement to, more than twenty-five per cent of shares or capital or profits of the company;
- b) "Control" shall include the right to appoint the majority of the directors or to control the management or 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 (i) or (ii) or (iii) 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 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" for the purpose of this Order is a person employed to do any act for another, or to represent another in dealings with third persons.

#### **Sub-contracting in works contracts**

In works contracts, including turnkey contracts, contractors 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.

\*Please note that the bidders shall provide the mandatory Certificates in the following formats on their registered Company's letter heads:

#### **Certificate for Tenders involving procurement**

"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 certify that we are not from such a country or, if from such a country, have been registered with the Competent Authority, I/we hereby certify that we fulfill all requirements in this regard and are eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached]"

#### Certificate for Tenders for Works involving possibility of subcontracting

"I/We have read the clause regarding restrictions of 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 certify that we are not from such a country or, if from such a country, have been registered with the Competent Authority and will not sub-contract any work to a contracting from such countries unless such contractor is registered with the Competent Authority. I/we hereby certify that we fulfill all requirements in this regard and is/are eligible to be considered. [Where applicable, evidence of valid registration by the competent Authority shall be attached.]"

#### Certificate by Bidders in the cases of specified TOT

"I have read the clause regarding restrictions on procurement from a bidder having Transfer of Technology (ToT) arrangement. I certify that this bidder does not have any ToT arrangement requiring registration with the competent authority."

#### OR

"I have read the clause regarding restrictions on procurement from a bidder having Transfer of Technology (ToT) arrangement. I certify that this bidder has valid registration to participate in this procurement."

Tenderer's Signature and seal

## Annexure - B TENDER ACCEPTANCE LETTER

(To be given on Company Letter Head)

Date:

To, The Director IUAC, New Delhi-67

**Sub: Acceptance of Terms & Conditions of Tender.** 

**Tender Reference No: IUAC/NIT/** 

Name of Tender / Work: - Supply of Polarization vs Electric field (P-E) loop system for sample characterization at IUAC, New Delhi.

Dear Sir,

I/ We have downloaded / read and examined the tender document(s) for the above-mentioned Tender /Work from the web site(s) namely:

as per your advertisement, given in the above-mentioned website(s).

- 1. I/We hereby certify that I/we have read the entire terms and conditions of the tender documents (including all documents like annexure(s), schedule(s), etc.,), which form part of the contract agreement and I/we shall abide hereby by the terms / conditions / clauses contained therein.
- 2. The corrigendum(s) issued from time to time by your department/ organization too have also been taken into consideration, while submitting this acceptance letter.
- 3. I / We hereby unconditionally accept the tender conditions of above-mentioned tender document(s) / corrigendum(s) in its totality / entirety.
- 4. I / We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking.
- 5. I/ We certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organization shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy.

Yours Faithfully,

(Signature of the Bidder, with Official Seal)

#### Annexure - C

#### **PROFILE OF THE TENDERER**

(To be given on Company Letter Head)

## Tender for supply of Polarization vs Electric field (P-E) loop system for sample characterization at IUAC, New Delhi

1.	Name of the Firm / Organization	:
2.	Address	:
3.	Telephone No. / Mobile No. & Name of the Contact Person	:
4.	Fax No.	:
5.	E-mail ID	:
6.	Month and Year of establishment	:
7.	Name of proprietor / partners/director	:
8.	No. of years of experience in this field, with Reference, Certificates	:
9.	Annual Turnover during the last three years (Enclose copies of Audited Financial Statement duly certified by CA  2020-21 2021-22 2022-23	: : :
10.	Whether the firm is a Tax Assessee? If so, please give the details of PAN No. and copies of ITR files for the last three financial years	:
11.	GST Registration No.	:
12.	Name of the OEM and address	:

# Annexure-D Format for declaration by the Bidder for Code of Integrity & conflict of interest (On the Letter Head of the Bidder)

No:	Date
То,	
The Director IUAC	
New Delhi	
Sir, With reference to your Terwe shall abide by the Code of Inteconflict of interest.	nder No dated I/We hereby declare that egrity for Public Procurement as inyour Tender document and have no
with a firm or any of its affiliat services for the preparation of	not associated, or have been associated in the past, directly or indirectly, tes which have been engaged by the Purchaser to provide consulting f the design, specifications, and other documents to be used for the burchased under this Invitation of Bids / Tender.
	s transgressions of the code of integrity with any entity in any country being debarred by any other Procuring Entity are as under:
a b c	
We undertake that we shall this code.	be liable for any punitive action in case of transgression/contravention of
Thanking you,	
	Yours sincerely,
	Signature (Name of the Authorized Signatory)
	Company Seal

#### Annexure E

This certificate shall be furnished duly signed & stamped with Technical Bid.

## Certificate/ Undertaking for site visit (if applicable) On Company Letterhead

This is to certify that we have visited the site where works have to be done in
IUAC lab complex on and assessed the actual situation & nature of site. We have also assessed
the amount of work involved at site for tendered work before submitting our offer. We will be able to complete
the above work within stipulated time as per site conditions.
We further undertake that no extra cost will be claimed by us later-on for any difficulties/ modifications involved
during the execution of tendered works. We understand that work is to be executed in an already operational/
functional institute.
(Signature of the Bidder, with Official Seal)

#### Annexure-F

#### (Undertaking to be given on Bidders/ Company Letter Head)

I / We (bidder) hereby give an undertaking that:

- 1. I / We have not been blacklisted / on holiday list / debarred during last three years by any Govt. Department/Govt. Autonomous Body/Institution, etc.
- 2. I/We do not have any dispute with any of the Govt. Departments/ Govt. Autonomous Bodies/Institutions, etc.
- 3. I/We have never been certified as 'Unsatisfactory Performer' for the said services provided to the Govt. Departments/ Govt. Autonomous Bodies/ Institutions;
- 4. I/We have not submitted any fake/forged certificates/ documents and later, if any such 'Certificates/Documents' found to be fake/ forged or contains willful wrong/incorrect information, suitable legal actions may be initiated against me/us/agency and the agencies/ bidders shall be debarred from tendering withe the Institute.
- 5. I/We shall not withdraw my/our bid after opening of Technical Bid and if done so, the IUAC and the agencies / bidders shall be debarred from tendering with the Institute.

Seal and Signatures of the Authorized Person of the Agency

Name and designation of the Authorized Person of the Agency

Place: Date:

### Annexure-G DECLARATION OF LOCAL CONTENT

(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,
Inter University Accelerator Centre
Aruna Asaf Ali Marg
New Delhi- 110 067

Subject: - Declaration of Local Content Tender Reference No:
Name of Tender/ Work:
1. Country of Origin of Goods being offered:
2. We hereby declare that items offered has local content * (details) & %age
3. Details of the Location at which the Local Value Addition is made

We hereby certify that we fall under the category of the supplier (tick appropriate category):

- 1. Class –I Local Supplier
- 2. Class –II Local Supplier
- 3. Non-Local Supplier

We also declare that:

- a) There is no country whose bidders have been notified as ineligible on a reciprocal basis under this order for an offered Goods, or
- b) We do not belong to any Country whose bidders are notified as ineligible on a reciprocal basis under this order for the offered Goods.
- \* "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.

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.

"\*False declaration will be in breach of Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules 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 along with such other actions as may be permissible under law."

Yours faithfully,

(Signature of the bidder, with Official Seal)

Note: Preference shall be given to local suppliers as per 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 Declaration of Local Content for the same). The Declaration once submitted in the Technical Bid will be final. Submission of Revised Declaration will NOT be accepted.

#### Annexure-H

## CHECK-LIST FOR PRE-QUALIFICATION BID FOR: Polarization vs Electric field (P-E) loop system for sample characterization at IUAC, Aruna Asaf Ali Marg, New Delhi-110067

Sl. No.	Documents Provided	Page number
1.	Tender Acceptance Letter as given in Annexure-B	
2.	Profile of the tenderer as given in Annexure-C	
3.	Proof of submission of EMD	
4.	Undertaking on a letter head (as per format prescribed in Annexure-F) along with tender document.	
5.	Technical Specification as per the details as given in Annexure A	
6.	Self-attested copy of the GSTIN & PAN card issued by the respective authorities.	
7.	Copies of work/supply orders as specified in the NIT along with satisfactory performance certificates from the concerned employers.	
8.	Annual turnover of last three financial years (2020-2021, 2021-2022 and 2022-2023) duly certified by the Statutory Auditors. To support the claim, provide a certificate of CA (No need to provide copies of balance sheet).	
9.	Copies of ITR filed for the last three financial years	
10.	Certificate - Bidder Not from/ from Country sharing Land border with India & Registration of Bidder with Competent Authority	
11.	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	
12.	OEM Authorization Certificate and Manufacturer's Authorization form	
13.	Proof of delivery of high-end scientific equipment in last 5 years	
14.	Declaration for Code of Integrity and Conflict of Interest as given in Annexure-D	
15.	Site visit undertaking as given in Annexure-E (if applicable)	
16.	Self-attested copy of MSME/NSIC Registration Certificate and Bid Securing Declaration Form (Annexure J)	
17.	Declaration of local content as given in Annexure-G	
17.	Compliance Sheet for quoted items	
19.	Any other documents asked in this tender	

(Seal & Signatures of Contractor)

(Name and Address of the Bidder)

#### Annexure-J

#### **BID SECURING DECLARATION FORM**

(TO BE SUBMITED BY MSME ONLY ON COMPANY LETTER HEAD)

Tender/Bid No.:	Date:
To The Director Inter University Accelerator Centre (IUAC) New Delhi Dear Sir/Madam,	
We, the undersigned, solemnly declare that:	
We understand that, according to the conditional Bid Securing Declaration In lieu of Bid Securing In l	ns of this Tender Document, the bid must be supported by urity.
stand automatically suspended from being elig	is Bid Securing Declaration. We understand that we shall gible for bidding in any tender in IUAC for a period of two we breach our obligation under the tender conditions, if,
<ol> <li>withdraw/amend/impair/derogate, in</li> <li>being notified within the bid validity</li> </ol>	any respect, from our bid, within the bid validity; or of the acceptance of our bid by IUAC
Security within the stipulated time u	r ginal documents for scrutiny or the required Performance under the conditions of the tender documents. chall expire if the contract is not awarded to us, upon:
<ol> <li>receipt by us of your notification</li> <li>a) of cancellation of the entire tender</li> <li>b) of the name of successful bidder or</li> </ol>	-
2) Forty-five days after the expiration of	f the bid validity or nay extension to it.
Signed:	
Name:	
Dated on day of	
Corporate Seal (where appropriate)	
(Note: In case of a Joint Venture, the Bid to the Joint Venture that submits the bid)	Securing Declaration must be in the name of all partners

#### PRICE BID

(Price should be quoted in the standard BOQ format of this tender, incomplete price bid will be rejected)

Tender Inviting authority: INTER UNIVERSITY ACCELERATOR CENTRE

Name of Work/Supply: Polarization vs Electric field (P-E) loop system for sample characterization as per Annexure A.

S.No.	Description	Qty (No)	Price Offered (INR)
	Polarization vs Electric field (P-E) loop	01	
1	system for sample characterization		
	(expandable up to 10 kV)		