

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: आईयूएसी/एनआईटी/38-R/VVVS/2022-23

दिनांक: 21/03/2023

Tender Number: IUAC/NIT/38-R/VVVS /2022-23

Dated: 21/03/2023

अंतर-विश्वविद्यालय त्वरक केंद्र (आई.यू.ए.सी.) पात्र/अनुभवी पार्टियों से दो बोली प्रणाली नामतः 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 हाई करंट इंजेक्टर के चॉपर और डिफ्लेक्टिंग (एचसीआई-सीएडी) प्रणाली के लिए संबद्ध पूर्ण शीतलन प्रणाली के साथ फास्ट स्क्वायर-वेव एचवी पल्सर” 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 “**Fast Square-Wave HV Pulsers with associated Cooling System for Chopper and Deflecting (HCI-CAD) system of High Current Injector at IUAC, New Delhi as per Annexure A**”.

निविदा दस्तावेज, सेंट्रल पब्लिक प्रोक्योरमेंट (सीपीपी) पोर्टल <https://eprocure.gov.in/eprocure/app> से मुफ्त में डाउनलोड किए जा सकते हैं। इच्छुक बोलीदाता, जिन्होंने ई-प्रोक्योरमेंट पोर्टल में नामांकन/पंजीकरण नहीं किया है, उन्हें भाग लेने से पहले <https://eprocure.gov.in/eprocure/app> वेबसाइट के माध्यम से नामांकन/पंजीकरण करना होगा। बोलियां केवल <https://eprocure.gov.in/eprocure/app> वेबसाइट पर ऑनलाइन जमा करनी होंगी। निविदाकारों/ठेकेदारों/बोलीदाताओं को सलाह दी जाती है कि 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 किए 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 <https://eprocure.gov.in/eprocure/app>. Aspiring Bidders who have not enrolled/registered in e-procurement portal should enroll/register before participating through the website <https://eprocure.gov.in/eprocure/app>. Bids should be submitted online only at website: <https://eprocure.gov.in/eprocure/app>. 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 आईयूसी 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 <https://eprocure.gov.in/eprocure/app> 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 इसे ही 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 <https://eprocure.gov.in> और www.iuac.res.in 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 <https://eprocure.gov.in> and www.iuac.res.in 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: <https://eprocure.gov.in/eprocure/app>) 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.
- 2** 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 www.iuac.res.in and CPPP site <http://www.eprocure.gov.in/eprocure/app> 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 <https://eprocure.gov.in/eprocure/app> 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 practice	The offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in contract execution.
(b)	Fraudulent practice	a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract.
(c)	Collusive practice	means a scheme or arrangement between two or more bidders, with or without the knowledge of the purchaser, designed to establish bid prices at artificial, non-competitive levels.

(d)	Coercive practice	means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a contract.
(e)	Anti-competitive practice	any collusion, bid rigging or anti-competitive arrangement, or any other practice coming under the purview of the Competition Act, 2002, between 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 interest	participation by a bidding firm or any of its affiliates that are either involved 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 Practice	materially impede the purchaser's investigation into allegations of one or 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.

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 Fast Square-Wave HV Pulsers with associated Cooling System for Chopper and Deflecting (HCI-CAD) system of High Current Injector at IUAC, New Delhi as per Annexure A
Tender Number	IUAC/NIT/ /VVVS/2022-23
Tender Value / Estimate only	Rs. 19,00,000/- (Nineteen lakhs)
Earnest Money Deposit	Rs. 38,000/- (Thirty-Eight Thousand)
Tender Document Fee	NIL
Bid Submission End Date and Time (Part - A and Part - B)	11/04/2023 at 3.00 pm
Technical Bid Opening Date (Part - A)	12/04/2023 at 3.30 pm
Price Bid Opening Date (Part - B)	To be intimated later on to the technically qualified bidders
Mandatory Minimum Local Content	1) 50% for Class I Supplier 2) 20% for Class II Supplier
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) / VVV Satyanarayana E-mail: iuacstores@gmail.com / satya.iuac@gamil.com 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 15,20,000/- (Rupees Fifteen lacs, Twenty Thousands) or two copy of order value each of 50% of the estimated value Rs 9,50,000/- (Rupees (Nine Lacs, Fifty Thousand) or three copies of order value each of 40% of the estimated value Rs 7,60,000/- (Rupees Seven Lacs, Sixty Thousands) 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 (2019-20, 2020-21 & 2021-22) Income Tax Return (ITR).
15. Average annual turnover during the last three financial years ending 31st March, 2022[2019-20, 2020-21 & 2021-22] shall be at least Rs.38.00 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**.

Technical bids which are not confirming to the technical specifications will be disqualified.

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.

5. Earnest Money Deposit:

EMD @ 2% of total estimate value Rs 38,000.00 (Rupees Thirty-Eight 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 3% 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 date of commissioning/testing. The Performance Security shall be refunded to the supplier

on completion of commissioning, testing and recording of completion of certificate by IUAC personnel.

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. Test parameters to be confirmed at IUAC are:

- a) Confirming the working of HV Pulsers and cooling system @ 2MHz repetition time.
- b) Confirming the rise/fall times of the HV pulsers (<10ns across 10pF load).
- c) Continuous testing of Pulsers performance for more than 48 hours.

10. **Terms of Payment:**

- a) 30% of the payment shall be made after receiving the material at IUAC.
- b) 60% of the payment shall be made after confirming the testing and installation at IUAC.
- c) Balance 10% payment can be released in exchange of fresh performance security deposit to be valid up to 60 days beyond the guarantee period/ Defect Liability period.
- d) The payment process will be initiated on submission of the bills by the bidder and after due certification by the concerned IUAC personnel.
- e) 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 thirty-six months (3 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 90 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 V V V Satyanarayana, Inter University Accelerator Centre, Aruna Asaf Ali Marg, New Delhi - 110067. E-mail: iuacstores@gmail.com / satya.iuac@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 the 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 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

5.1 If 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.

5.4 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 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 Two units of **Fast Square-Wave HV Pulsers with associated Cooling System for Chopper and Deflecting (HCI-CAD) system of High Current Injector at IUAC, New Delhi** are as below:

#	Item	Parameter	Specification
1	High Voltage High Frequency Pulsers - 2nos.	Mode of operation of the Pulser	Push-Pull (Half-bridge)
		Maximum Continuous Switching Frequency	2 MHz or above
		Repetition Rates / Frequencies	500ns/2MHz, 1 μ s/1MHz, 2 μ s/500kHz, 4 μ s/250kHz and 8 μ s/125kHz.
		Maximum required pulse amplitude	1000V (Variable from 0 – 1000V)
		External Auxiliary Power Supplies Inputs	Standard BNC/SHV/Lemo connectors for necessary external power supplies to connect for the Pulsers to operate. (Voltage and current rating of the external power supplies need to be mentioned).
		Pulse transition time	<10 ns
		Output Polarity	Ground referenced Positive
		Control Input (Trigger Input)	TTL Compatible with Schmitt Trigger characteristics.
		Maximum continuous power dissipation	~1500W
		Output Load	Capacitive, ~10pF
		Operation Inhibit Input	TTL Compatible (To shut down the pulser using external safety interlock signal)
		Operation Inhibit Conditions (Internal)	Over-heat, Over-frequency, low control voltage
		Fault Indication	LED
		Fault Signal	TTL Compatible
		Pulse Monitor Output	Sampled Output Pulse (1000:1) along with the required accessories to monitor the Pulse of an oscilloscope.
High Voltage Input Connection	SHV Connectors		
High Voltage Pulse Output Connector	Screw Terminal		
Cooling Type	Standalone Liquid cooling with all the required in/outlet connections.		

2	Standalone Liquid Cooling System for High Voltage High Frequency Pulsers (with all required accessories) - 2nos (As mentioned in serial number 1).	Pump Unit	<ul style="list-style-type: none"> • With coolant reservoir and built-in control electronics for the pump motor and possible external radiator fans. • The built-in electronics should monitor the tank fill level, the coolant temperature, the motor function, and the supply voltage. The speed of the pump motor and the speed of the externally connected radiator fans is regulated proportionally to the coolant temperature. • Protection against any fault condition (over temperature, flow disturbance, empty reservoir, missing or incorrect supply voltage etc.). • Should be suitable for liquid cooling systems with non-conductive coolants.
		Heat Exchanger	<ul style="list-style-type: none"> • Complete with fittings for entire circuit. • $R_{th} < 0.003K/W$, Max. power 10kW @ $T_{water} = 25^{\circ}C$.
		Active Radiator usable up to 2000W	<ul style="list-style-type: none"> • $R_{th} < 0.015 K/W$ (Useful power ~2000 Watt @ $\Delta T = 30K$). • With required fans and tacho generator.
		Cooling Liquid	<ul style="list-style-type: none"> • High performance Low thermal resistance and • Biologically inert, non-toxic and non-flammable. • Excellent thermal stability, exceptionally low kinematic viscosity. • Max. power density on surfaces to be cooled: $4W/cm^2$.
		Tubing for Liquid flow	Ether-type Polyurethane (PUR) tubing with required diameter and length for the cooling system.
		Metal fittings for Tubing	All required metal fittings set for

			the tubing of the cooling system.
		Flow indicator for Tubing connection	Compatible flow indicator for tubing connection.
		In-line Thermo-Sensor with ESD protection	Required thermos-sensor with ESD protection for the cooling system.
		Thermometer with LCD display	<ul style="list-style-type: none"> • LCD display with illumination. • Measuring range 0-90⁰C. • Resolution: 0.1⁰C.

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.]”

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: -

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 Multichannel (8 Or More) Independent Delay and
Width Control, Trigger / Delay Generator in Turn-Key Mode**

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
2019-20 :
2020-21 :
2021-22 :
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 :

Signature of the Tenderer & Seal

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

No: _____

Date _____

To,
The Director IUAC
New Delhi

Sir,

With reference to your Tender No. _____ dated _____ I/We hereby declare that we shall abide by the Code of Integrity for Public Procurement as in your Tender document and have no conflict of interest.

It is certified that we are not associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Purchaser to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods to be purchased under this Invitation of Bids / Tender.

The details of any previous transgressions of the code of integrity with any entity in any country during the last three years or of being debarred by any other Procuring Entity are as under:

- a
- b
- c

We undertake that we shall be liable for any punitive action in case of transgression/ contravention of this code.

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 with 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: Multichannel (8 Or More) Independent
Delay and Width Control, Trigger / Delay Generator In Turn-Key Mode
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 (2019-2020, 2020-2021 and 2021-2022) 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 - I (COMPLIANCE SHEET)
Compliance Sheet for quoted items**

#	Parameter	Specification	COMPLIED (YES/NO)
1	Mode of operation of the Pulsar	Push-Pull (Half-bridge)	
	Maximum Continuous Switching Frequency	2 MHz or above	
	Repetition Rates / Frequencies	500ns/2MHz, 1µs/1MHz, 2µs/500kHz, 4µs/250kHz and 8µs/125kHz.	
	Maximum required pulse amplitude	1000V (Variable from 0 – 1000V)	
	External Auxiliary Power Supplies Inputs	Standard BNC/SHV/Lemo connectors for necessary external power supplies to connect for the Pulsers to operate. (Voltage and current rating of the external power supplies need to be mentioned).	
	Pulse transition time	<10 ns	
	Output Polarity	Ground referenced Positive	
	Control Input (Trigger Input)	TTL Compatible with Schmitt Trigger characteristics.	
	Maximum continuous power dissipation	~1500W	
	Output Load	Capacitive, ~10pF	
	Operation Inhibit Input	TTL Compatible (To shut down the pulser using external safety interlock signal)	
	Operation Inhibit Conditions (Internal)	Over-heat, Over-frequency, low control voltage	
	Fault Indication	LED	
	Fault Signal	TTL Compatible	
	Pulse Monitor Output	Sampled Output Pulse (1000:1) along with the required accessories to monitor the Pulse of an oscilloscope.	
	High Voltage Input Connection	SHV Connectors	
	High Voltage Pulse Output Connector	Screw Terminal	
	Cooling Type	Standalone Liquid cooling with all the required in/outlet connections.	
2	Pump Unit	<ul style="list-style-type: none"> • With coolant reservoir and built-in control electronics for the pump motor and possible external radiator fans. • The built-in electronics should monitor the tank fill level, the coolant temperature, the motor function, and the supply voltage. The speed of the pump motor and the speed of the externally connected radiator fans is 	

	<p>regulated proportionally to the coolant temperature.</p> <ul style="list-style-type: none"> • Protection against any fault condition (over temperature, flow disturbance, empty reservoir, missing or incorrect supply voltage etc.). • Should be suitable for liquid cooling systems with non-conductive coolants. 	
Heat Exchanger	<ul style="list-style-type: none"> • Complete with fittings for entire circuit. • $R_{th} < 0.003K/W$, Max. power 10kW @ $T_{water} = 25^{\circ}C$. 	
Active Radiator usable up to 2000W	<ul style="list-style-type: none"> • $R_{th} < 0.015 K/W$ (Useful power ~2000 Watt @ $\Delta T = 30K$). • With required fans and tacho generator. 	
Cooling Liquid	<ul style="list-style-type: none"> • High performance Low thermal resistance and • Biologically inert, non-toxic and non-flammable. • Excellent thermal stability, exceptionally low kinematic viscosity. • Max. power density on surfaces to be cooled: $4W/cm^2$. 	
Tubing for Liquid flow	Ether-type Polyurethane (PUR) tubing with required diameter and length for the cooling system.	
Metal fittings for Tubing	All required metal fittings set for the tubing of the cooling system.	
Flow indicator for Tubing connection	Compatible flow indicator for tubing connection.	
In-line Thermo-Sensor with ESD protection	Required thermos-sensor with ESD protection for the cooling system.	
Thermometer with LCD display	<ul style="list-style-type: none"> • LCD display with illumination. • Measuring range $0-90^{\circ}C$. • Resolution: $0.1^{\circ}C$. 	

Name of Bidder/ Signature/ Stamp

Annexure-J

BID SECURING DECLARATION FORM

(TO BE SUBMITTED 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 conditions of this Tender Document, the bid must be supported by a Bid Securing Declaration In lieu of Bid Security.

We unconditionally accept the condition of this Bid Securing Declaration. We understand that we shall stand automatically suspended from being eligible for bidding in any tender in IUAC for a period of two years from the date of opening of this bid if we breach our obligation under the tender conditions, if we,

- 1) withdraw/amend/impair/derogate, in any respect, from our bid, within the bid validity; or
- 2) being notified within the bid validity of the acceptance of our bid by IUAC
 - (i) fail or refuse to sign the contract, or
 - (ii) failed or refused to produce the original documents for scrutiny or the required Performance Security within the stipulated time under the conditions of the tender documents.

We know that this Bid Securing Declaration shall expire if the contract is not awarded to us, upon:

- 1) receipt by us of your notification
 - a) of cancellation of the entire tender process or rejection of all bids or
 - b) of the name of successful bidder or
- 2) Forty-five days after the expiration of 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 Securing Declaration must be in the name of all partners to the Joint Venture that submits the bid)

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: **Fast Square-Wave HV Pulsers with associated Cooling System as per Annexure A.**

S.No.	Description	Qty (No)	Price Offered (INR)
1	High Voltage High Frequency Pulsers as per Annexure A	02	
2	Standalone Liquid Cooling System for High Voltage High Frequency Pulsers (With all required accessories) as per Annexure A	02	