

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 : एनआईटी/13/एसएसकेएस/25-26

दिनांक: : 15/12/2025

Tender Number: NIT/13/SSKS/25-26

Dated: 15/12/2025

अंतर-विश्वविद्यालय त्वरककेंद्र (आईयूएसी) निदेशक आईयूएसी, नई दिल्ली की ओर से ई-प्रोक्योरमेंट पोर्टल के माध्यम से दो बोली प्रणाली, यानी तकनीकी और वित्तीय बोलियों के तहत आईयूएसी, नई दिल्ली-110067 में मौजूदा 02 कूलिंग टावरों को हटाना, सुरक्षित निपटान करना और 300 टी.आर. क्षमता (प्रत्येक) का शीतलन टॉवर (कूलिंग टॉवर) -02 तथा उनसे संबंधित MS पाइपिंग और अन्य सहायक उपकरणों के आपूर्ति स्थापना परीक्षण और कमीशनिंग के लिए पात्र / अनुभवी पार्टियों से ऑनलाइन बोलियां आमंत्रित करते हैं।

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 Price bids, from eligible / experienced parties for Dismantle, safe disposal of the existing 02 Nos of Cooling Towers and SITC of 300 TR Heat rejection Capacity (each) Cooling Towers -02 Nos and associated MS piping with other accessories at IUAC, New Delhi-110067.

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 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। 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।

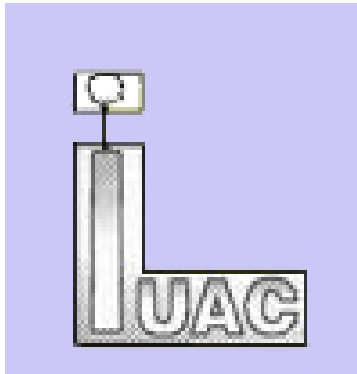
Bidders are advised to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard .XLS BOQ Format with the tender document, then the same is to be downloaded and to be filled and submitted online 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.

TENDER DOCUMENTS FOR

Dismantle, safe disposal of the existing 02 Nos of Cooling Towers and Supply, Installation, Testing and Commissioning of 02 Nos of 300 TR (each) Heat Rejection Capacity Cooling Towers and associated MS piping with other accessories at IUAC, New Delhi-110067.



TENDER ENQUIRY NO: IUAC/NIT/13/SSKS/2025-26

LAST DATE OF SUBMISSION: 06/01/2026

INTER-UNIVERSITY ACCELERATOR CENTRE (IUAC)

(Formerly Nuclear Science Centre) Autonomous Body of UGC

Aruna Asaf Ali Marg, Post Box No. 10502, NEW DELHI - 110 067 (India)

Phone: 091-11-24126022/24-26/29

4. **E - TENDER DOCUMENT**

कार्य/ आपूर्ति का नाम Name of Work / Supply	आईयूएसी, नई दिल्ली-110067 में मौजूदा 02 कूलिंग टावरों को हटाना, सुरक्षित निपटान करना और ३०० टी.आर. क्षमता का शीतलन टॉवर (कूलिंग टॉवर) -०२ तथा उनसे संबंधित MS पाइपिंग और अन्य सहायक उपकरणों के आपूर्ति स्थापना परीक्षण और कमीशनिंग। Dismantle, safe disposal of the existing 02 Nos of Cooling Towers and SITC of 02 Nos of 300 TR (each) Heat Rejection Capacity Cooling Towers and associated MS piping with other accessories at IUAC, New Delhi-110067.
अनुबंध संख्या / Tender Number	IUAC/ NIT/13/SSKS/25-26
अनुमादित निविदा मूल्य / Tender Value / Estimate only	Rs 20,00,000/- (रुपये बीस लाख मात्र) (Rupees Twenty Lacs only)
बयाना राशि/ Earnest Money Deposit	Rs. 40,000/- (चालीस हजार रुपये मात्र) (Rupees Forty Thousand only)
निष्पादन सुरक्षा जमा राशि/ Performance Security	10% ऑर्डर मूल्य का / of Order value
निविदा दस्तावेज शुल्क/ Tender Document Fée	शून्य NIL
बोली जमा करने की समाप्ति तिथि और समय (भाग-ए एवं भाग-बी) Bid Submission End Date and Time (Part - A and Part - B)	06/01/2026 अपराह्न 03:00 बजे 06/01/2026 at 03:00 P.M.
तकनीकी बोली खुलने की तिथि - भाग - ए Technical Bid Opening Date- (Part - A)	07/01/2026 अपराह्न 03:30 बजे 07/01/2026 at 03:30 P.M.
मूल्य बोली खुलने की तिथि - भाग-बी Price Bid Opening Date (Part - B)	तकनीकी रूप से योग्य समझे गए बोलीदाताओं को बाद में सूचित किया जाएगा To be intimated later on to the technically qualified bidders
Contact Person	1.Administrative Officer (S&P) E-mail: iuacstores@gmail.com 2. Mr. Somasundara Kumar Sonti E-mail: sundaram.nsc@gmail.com

INDEX

S. N.	Brief Description	Page No.
1	Notice Inviting e-Tender	1-2
2	Tender Notice	3-4
3	Index	5
4	Tender Form	6
4	Registration Process on CPP Portal For Online Bidding	7-8
5	Instructions to Bidder and On-line bid submission	9-13
6	Commercial and General conditions	14-22
7	SPECIAL TERMS AND CONDITIONS OF CONTRACT /WORK	23
8	Scope of Work (ANNEXURE-1)	24-34
9	PART-B (PRICE BID) ANNEXURE-2	35-38
9	Site Visit Undertaking (ANNEXURE-A)	39
10	Profile of the Tenderer (ANNEXURE-B)	40
11	Tender Acceptance Letter (ANNEXURE-C)	41
12	Bid Security Declaration (ANNEXURE-D)	42
13	Declaration for Code of Integrity and Conflict of Interest (ANNEXURE-E)	43
14	Undertaking on Blacklisting on letter head (ANNEXURE-F)	44
15	Undertaking on letter head (ANNEXURE-G)	45
16	Performance Statement - ANNEXURE-H	46
17	Declaration of Local Content (ANNEXURE-I)	47
18	Check List (ANNEXURE-J)	48

TENDER FORM

To

The Director
IUAC,
Aruna Asaf Ali Marg,
New Delhi 110067

Dear Sir,

I/We have read and examined the following Tender Documents relating to the SITC of 300 TR Capacity Cooling Towers -02 Nos at the site IUAC Campus at Inter-University Accelerator Centre, Aruna Asaf Ali Marg, New Delhi -110067.

1. Registration process on CPP portal for online bidding, searching for tender documents, preparation of bids, instruction for submission of bids & assistance to bidders
2. Special Instructions to Bidders for Registration with Competent Authority
3. General Terms & Conditions of Contract
4. Special Terms and conditions of Contract
5. Annexures
6. Price Bid

I/We hereby offer to execute the work complete in all respects specified in the underwritten Memorandum within the time specified therein, at the rates specified in the Price Bid and in accordance with the specifications and instruction in writing referred to in the condition of tender.

Bidders Signature and Seal

INSTRUCTIONS TO BIDDERS

REGISTRATION PROCESS ON CPP PORTAL FOR ONLINE BIDDING

- i. 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 Enrollment**” on the CPP Portal which is free of charge.
- ii. **Bidder who registered already may skip the registration process and login to site through their user ID/Password**
- iii. As part of the enrollment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- iv. 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.
- v. Upon enrollment, 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.
- vi. 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.
- vii. 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

- a) 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.
- b) 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.
- c) 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 Help desk.

PREPARATION OF BIDS

- a) 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.

- b) 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.
- c) 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. Tender documents may be downloaded from IUAC's website www.iuac.res.in and CPPP site <https://eprocure.gov.in/eprocure/app> as per the schedule as given in the tender document.
2. The tender shall be submitted online in two parts, viz., Technical bid and Financial (price Bid) bid.
3. The offers submitted by hand/Post/Fax/email shall not be considered. No correspondence will be entertained in this matter.
4. All the pages of bid being submitted must be sequentially numbered by the bidder irrespective of nature and content of the documents before uploading.
5. 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.
6. 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.
7. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
8. 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.
9. 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.
10. 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.

11. The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
12. 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.
13. 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.
14. Not more than one tender shall be submitted by one contractor or contractors having business relationship.
15. 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. More information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app>.

2. 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.

3. 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, 91-7878007972 and 91-7878007973.

(Seal & Signature of 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 'tenderer', '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:
 - i. 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;
 - ii) 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 or entitlement to more than fifteen percent of capital or profits of the partnership;
 - iii) 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 or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;

iv) 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;

v) 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.

5. **“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.

6. **Sub-contracting 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 from border country

“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 for Tenders for Works involving possibility of sub-contracting

“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.”

(Seal & Signature of bidder)

2. COMMERCIAL AND GENERAL CONDITIONS OF CONTRACT

2.1. Submission of Tender: Tenders should be uploaded on CPP portal in two parts separately, i.e. "Technical Bid" (Part-A) and "Price Bid / BOQ)" (Part-B). No other mode of submission will be accepted. Submission of complete tender document duly stamped and signed by tenderer with technical bid is mandatory. Any clarifications/amendments/corrigenda etc., to NIT before last date of submission of bid will only be available on our website: www.iuac.res.in. Therefore, bidders are advised to keep visiting our website.

2.2 Technical Bid (Part-A): In this bid the bidder should upload his company profile, organizational setup, credentials, list of plant, machinery & tools in his possession. The following documents are essentially to be submitted with technical bid for qualification. Price bid of only those bidders will be opened who are technically qualified.

- a) Site Visit Undertaking (**ANNEXURE-A**)
- b) Profile of Tenderer (**ANNEXURE-B**)
- c) Tender Acceptance Letter (**ANNEXURE- C**)
- d) Bid Security Declaration in lieu of EMD for MSME (**ANNEXURE– D**)
- e) Declaration for Code of Integrity (**ANNEXURE– E**)
- f) Undertaking on Blacklist (**ANNEXURE– F**)
- g) Undertaking (**ANNEXURE- G**)
- h) Performance statement (**ANNEXURE-H**)
- i) Declaration of Local Content (**ANNEXURE-I**)
- j) Check List for pre-qualification Bid (**ANNEXURE–J**)
- k) Technical Specification/scope of work (**ANNEXURE-1**)

(To be provided by the respective Indenter in a separate sheet which should be signed and stamped by the bidder as acceptance of the required specifications and deviations if any should be mentioned by the bidder).

- l) BOQ is at **ANNEXURE-2**

- m) Copies of the work orders and completion certificates of similar work completed during last 7 years as below:

one work order of value not less than 80% of the estimated value

or

two work orders of value each of 50% of the estimated value

or

three work orders of value each of 40% of the estimated value

for the SITC of similar kind of items (Cooling tower unit of minimum capacity of 200 TR) to Govt. Dept. (Central/State) / PSU and Autonomous bodies.

- n) Copies of previous three financial years (2022-23, 2023-24 & 2024-25) Income Tax Return (ITR).
- o) Average annual turnover during the last three financial years ending 31st March, 2025 [2022-23, 2023-24 & 2024-25] shall be at least 30% of cost of the estimated works. Duly audited financial statement/balance sheet/certified by CA to be submitted as supporting documents.

- p) Self- attested copies of ESI, EPF, MSME, GST registration and PAN number.
- q) Signed and stamped copy of NIT.

IUAC reserves the right to visit the working sites mentioned by bidders as proof of experience to ascertain the quality of service rendered. The bidder will have to arrange for such visit. However, the transport will be arranged by IUAC.

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

2.3 Price Bid (Part-B):

2.3.1 In this bid, the bidder is required to quote his item rates in the BOQ formed in accordance with the scope of work, terms & conditions & technical specifications enclosed. The rates/price quoted by contractor should be all inclusive i.e., should include all material cost, labour, services, plant/machinery/tools & tackles required for work, freight, Insurance, and all applicable Govt. Duties, excluding GST (payable separately, if applicable), levies & taxes, transport/cartage of materials/labour and all other expenses not specifically mentioned but reasonably implied. Nothing over and above these rates shall be payable to contractor. Further, nothing extra in rates will be considered due to any site difficulties. It is mandatory for bidder to quote all items rate as asked for in the BOQ/ PRICE schedule. Failure in not filling some item rates will lead to be considered them as zero and accepted. No further compensation on that item can be considered later. The bidders should quote unconditional rates.

2.3.2 The bidder shall fill up the Bill of Quantity (BOQ) which is price bid. The BOQ should filled up carefully as it will be used for evaluation of L1. The contract will be awarded to L1 bidder subject to fulfilment of other terms and conditions of tender. MSME bidder will be given price preference subject to fulfilment of conditions as prescribed by the Government of India from time to time.

1. The price quoted shall remain fixed during the contract period and shall not vary on any account.
2. No payment other than as specified in the price schedule for each item and which has been accepted by the bidder, shall be payable to the successful bidder.

2.4 Period of Validity of Bids: Tender shall be valid for acceptance without any change in rates and NIT conditions for a period of 90 days from the date of opening of Price bid. No Bidder can withdraw/or modify his tender or revoke the same within the said period of 90 days. If a Bidder 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 90 days his EMD deposit shall stand forfeited and action will be taken as per Bid Security Declaration. The validity of accepted rates is extendable for a period of 180 days from the date of issue of Award Letter, with mutual consent of both the parties.

2.5 Earnest Money Deposit: EMD @ 2% of total estimate value Rs. 40,000 (Rupees forty 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.

EMD of technically disqualified bidders will be returned within 15 days from the date of evaluation of the technical bids. The refund of EMD to all the bidders except lowest shall be made within 15 days from the date of opening of price bid. The EMD of the successful lowest bidder (L1) shall be held back as security deposit and will be released after completion of the works and site clearance.

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 as per Annexure C form subject to conditions given below:

-

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.

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.

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.

2.6 Submission of Bids

The online bid shall be neat, plain and intelligible. The authorized person should sign each page of the bid. They should not contain any terms and conditions, printed or otherwise, which are not applicable to the Bid. The conditional bid will be summarily rejected. Insertions, postscripts, additions and alterations shall not be recognized, unless confirmed by bidder's signature.

2.7 Deadline for Submission of Bids

- a) Bids must be submitted on-line before the due date and time as specified in the critical date sheet.
- b) IUAC may extend this deadline for submission of bids by amending the bid documents and the same shall be suitably notified on the websites only.

2.8 Late Bids: The on-line bid submission would not be possible after the deadline for submission of bids

2.9 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 short-list 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 Price 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.
- g) Instances of Multiple L1s: The order of selection of successful contractor in case of multiple L1 may be as under conditions:
 - i. Submission of past experience and work orders issued by IUAC.
 - ii. Submission of highest turnover among the bidders who, if qualifies the above clause.

2.10 Tender liable to rejection: Tenders which do not fulfil all or any of the conditions laid down in this notice, or contain conditions not covered and / or not contemplated by the Conditions of tender document and/or expressly prohibited therein or stipulate additional/alternative conditions shall be

liable to be rejected and his earnest money will be forfeited. Tenders shall also be liable for rejection on any of the following grounds: -

- (i) Tenders containing remarks uncalled for
- (ii) Conditional tenders
- (iii) Tenders not submitted on prescribed Proforma
- (iv) Telegraphic / Fax/ Postal tenders
- (v) Tenders submitted late
- (vi) Tenders with NIL consideration
- (vii) Not submitted required documents as per tender

2.11 Amendment of Tender Documents

2.11.1 At any time prior to the deadline for submission of bids, IUAC may, for any reason, whether on its own initiative or in response to the clarification request by a prospective bidder, modify the bid document.

2.11.2 All prospective bidders who have downloaded the bidding document will be notified of the amendment(s), if any, on IUAC website / CPP portal, and such amendments/ modifications will be binding on them.

2.11.3 IUAC at its discretion may extend the deadline for the submission of bids if the bid document undergoes changes during the bidding period, in order to give prospective bidders time to take into the consideration the amendments while preparing their bids.

2.11.4 Bidders should keep viewing the above-mentioned websites for any corrigendum/change. There wouldn't be any newspaper advertisement towards the same. If any bidder misses the information published on the website and their bid is rejected, no complaint would be entertained.

2.12 Reservation of Procurement for certain class of products from Micro and Small Enterprises (MSEs) shall be considered as per the rules of Government of India.

2.12.1 MSEs procurement policy is meant for procurement for only goods produced and services rendered by MSEs and not for any trading activities by them as MSE Unit will not get any purchase preference over another MSE Unit.

2.13 Evaluation of Proposals & Award Criteria

2.13.1 The bidder must quote for all the items mentioned under Section **ANNEXURE-2- Schedule of Requirement (BOQ)**. The lowest price criteria shall be applied on the total composite amount (Inclusive of all) of all items taken together.

2.13.2 Preliminary scrutiny of the proposal will be made to determine whether they are complete, required processing fee (Tender Fee) and bid security (EMD) have been furnished, whether the uploaded documents have been properly signed and whether the bids are generally in order. Proposals not conforming to such preliminary requirements will be prima facie rejected.

2.13.3 Bids complying with all the eligibility requirements mentioned in this tender document and fulfilling the specifications and schedule of requirements shall be treated as substantially responsive bids. Responsiveness of the bids shall be determined on the basis of the contents of the bid itself and shall not be determined by extrinsic evidences.

2.13.4 IUAC, if provided for in the NIT, may ask bidders for presentation on the solution offered. Failure on part of bidder to arrange the presentation on the date & place fixed shall result in the rejection of technical bids and financial bids of these bidders shall not be opened. Also, if it is found after presentation that the solution offered is not meeting the specifications prescribed by, such bidders shall be treated as substantially non-responsive. IUAC decision shall be final in this regard. The place for presentation shall be conveyed to the bidders at an appropriate date.

2.13.5 Commercial bids of only those bidders will be opened who are found to be technically responsive and the work shall be awarded to the commercially lowest bidder.

2.13.6 Bidder should quote their rates by uploading in prescribed Proforma in BOQ_XXXX.xls only. Commercial bids/ prices/ rates other than the format provided or elsewhere in the bid document shall

be rejected by IUAC.

2.13.7 The rates quoted in figures would be automatically converted in words in BOQ_XXXX.xls. The bidder should carefully cross check the prices entered in figures with corresponding figures converted in words. In case of discrepancy between words and figures, the rates quoted in words shall be treated as final. The correct amount will be calculated by multiplying unit price with quantity and in case of any discrepancy, the corrected amount shall be considered and total of all corrected amount shall be bidder's total quoted amount.

2.13.8 In the copies of supply order/ contract/ agreement/ experience certificate submitted by the bidder, if the currency is other than Indian Rupees, the value of work in Indian Rupees shall be determined by using the exchange rate declared by Reserve Bank of India as on the last date of submission of technical/ commercial bids and the eligibility of the bidder shall be determined accordingly.

2.13.9 The successful bidder shall not be allowed to sub-contract works to any contractor from a country, which shares a land border with India unless such contractor is registered with the Competent Authority of Government of India.

2.14 Performance Security

The successful bidder shall be required to deposit an amount equal to 5% (five%) of the total contract value excluding GST as Performance Security within 15 days after notification of the award / LOI and it should remain valid for a period of 1(one) year and same will be released within 15 days after completion of all contractual works of the contractor.

Performance security may be accepted as Insurance Surety Bond³⁷, account payee demand draft, fixed deposit receipt from a commercial bank, bank guarantee issued/ confirmed from any of the commercial bank in India or online payment in an acceptable form, safeguarding the Procuring Entity's interest in all respects. In case of a JV, the BG towards performance security shall be provided by all partners in proportion to their participation in the project. If tenderer fails to deposit the said performance security within the period as indicated, the LOI may automatically stand cancelled without any notice to the tenderer and without prejudice to any other right.

2.14.1 Security Deposit: A security deposit equal to 10% (ten%) of the executed value of work (excluding of GST) will be deducted from Contractor's bills and shall be refunded after 60 (sixty) days of the completion of defect liability period of 01(one) year after ensuring successful performance of the system executed by the contractor.

2.15 Scope of Work/Technical Specification

2.15.1 If, for any unforeseen reasons, IUAC is required to change the Scope of the Supply, this change shall be acceptable to the bidder without change in the unit price quoted.

2.15.2 IUAC reserves the right to reject one/ all the bids or cancel the tender without assigning any reasons there for.

2.15.3 IUAC reserves the right to accord relaxation uniformly to all the bidders in case the bid submitted by all the bidders are found to have minor deviation.

2.16 Time-line for completion: The works (Dismantle, safe disposal of the existing 02 Nos of existing Cooling Towers and Design, Drawings, approvals, manufacture, supply, shifting, installation, testing and commissioning of 02 Nos of New Cooling Towers and associated MS piping with other accessories) should be completed within **6 (six) months from the date of issue of Purchase Order.**

Please note that the system is in round the clock operation. IUAC will provide for the shutdown of one number of cooling tower at a time for dismantle, assembly and commissioning of the same.

Once the first cooling tower is installed, tested and commissioned and put into operation with the system, then only the shut down for the second cooling tower will be provided. The bidder has to plan accordingly.

The shifting and installation of New Cooling Towers shall be carried out immediately after dismantle of old Cooling Towers and making of new foundation.

Any delay in completion of the work / supply due to reasons attributable to the vendor / manufacturer is liable to liquidated damages as per NIT clause 2.25

However, under the force-majeure conditions as mentioned in the NIT cluse 2.26, IUAC may grant suitable time extension for which vendor has to request along with proper justification / reasons well in advance to the Director, IUAC for approval without any prejudice or price escalation.

2.17 Guarantee & Defect liability period

The supplied material should be guaranteed from manufacturing/ engineering defect and bad material/workmanship for a minimum period of 1(one) year 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. The bidder shall assure the supply of spare parts after warranty is over for maintenance of the equipment supplied if and when required for a period of at least two years.

2.18 Site Conditions

Contractor shall acquaint himself fully with the site conditions and the working environment of IUAC before quoting his rates. A Bidder shall be deemed to have full knowledge of the site, whether he inspects it or not and no compensation or otherwise of any charges incurred or to be incurred consequent on any misunderstanding or otherwise shall be admissible.

No Compensation on account of any site difficulties will be entertained, at a later date, after the award of the work. (The bidder should sign undertaking as per ANNEXURE-G enclosed in tender. Failure will result in forfeiture of performance security / EMD).

2.19 Dismantle, Safe Disposal of 02 Nos of Existing Cooling Towers and Supply, Installation, Commissioning, Demonstration, Inspection and Tests of 02 Nos of New Cooling Towers and associated MS piping with other accessories

Bidder shall be responsible for Dismantle, Safe Disposal of 02 Nos of Existing Cooling Towers and Supply, Installation, Commissioning, Demonstration, Inspection and Tests of 02 Nos of New Cooling Towers and associated MS piping with other accessories wherever applicable and for after sales service including the supply of spares during the warranty and thereafter as specified in the NIT.

2.20 Insurance

For delivery of goods at the purchaser's premises, the insurance shall be obtained by the supplier in an amount equal to 110% of the value of the goods from "warehouse to warehouse" (final destinations) on "All Risks" basis including War Risks and Strikes.

2.21 Payment Terms

The payment shall be made on timely submission of the bills in proper format by the contractor after due certification by the IUAC engineer responsible for supervision of the work. TDS and other statutory deductions will be made as per rules.

2.21.2 Payment for Goods and Services supplied from India: The payment shall be made in Indian Rupees, as follows:

- I. Sixty (60%) percent of a single Invoice (+ GST full payment) will be released after delivery of all the material at site.
- II. Balance Payment will be released after satisfactory completion of installation, successful testing, commissioning & acceptance of the system by IUAC.

2.22 Escalation: No escalation over and above items rates quoted by the bidder, shall be paid during the execution of contract.

2.23 Deviations: No deviation from the stipulated terms and conditions will be allowed. Tender will be unconditional.

2.24 Delay in the supplier's performance

2.24.1 The supplier shall deliver the goods and perform the services under the contract within the time schedule specified by the purchaser in the Schedule of Requirements and as incorporated in the contract.

2.24.2 Any unexcused delay by the supplier in maintaining its contractual obligations towards delivery of goods and performance of services shall render the supplier liable to any or all of the following sanctions:

- (i) Imposition of liquidated damages,
- (ii) Forfeiture of its performance security and
- (ii) Termination of the contract for default.

If at any time during the currency of the contract, the supplier encounters conditions hindering timely delivery of the goods and performance of services, the supplier shall promptly inform the purchaser in writing about the same and its likely duration and make a request to the purchaser for extension of the delivery schedule accordingly. On receiving the supplier's communication, the purchaser shall examine the situation as soon as possible and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages for completion of supplier's contractual obligations by issuing an amendment to the contract.

2.25 Liquidated Damages

In case the work is delayed beyond the specified completion period for reasons attributable to the contractor, deductions on account of Liquidated damages: half (0.5%) percent of the contract value per week of delay subject to a maximum of ten (10 %) percent of the contract value. However, during the delayed period, IUAC also reserves the right to get balance portion of work done by any other contractor at the risk and cost of the existing contractor and amount to that effect along with 10% overhead charges will be deductible from his bills/dues.

2.26 Force Majeure

The right of the contractor/supplier to proceed with the work shall not be terminated because of any delay in the completion of the work due to unforeseeable causes beyond the control and without the fault or negligence of the contractor / supplier, including not limited to acts of God, Pandemic, or of the public enemy, restraints of a sovereign state, firms, wars, fires, epidemics, quarantine restrictions, floods, unusually severe weather. If a Force Majeure situation arises, the supplier / contractor shall promptly notify along with the justification / reasons well in advance to the Director IUAC for approval without any prejudice to price escalation. No time extension request shall be considered after the expiry of completion period/contract. The decision of the IUAC, Director will be final and binding on the supplier/contractor.

2.27 Rules governing the Contractor's employees working in the Centre's premises:

The contractor's employees working inside the IUAC campus will abide by IUAC terms. Any damage to the Centre's property due to mishandling, carelessness etc., on the part of contractor or his workmen will be recoverable from the contractor's bills.

- a) All the persons deployed by the contractor at IUAC will have to carry valid gate-passes, which will be issued only after submission of their bio-data in desired format. Any negligence / offense on their part will attract immediate removal from site.

- b) All the employees will have to be covered under insurance against any personal accident and IUAC will not be liable for payment of any compensation on that account.
- c) All the persons deployed by the contractor at IUAC will have to get the police verification done from competent authorities. The contractor has to submit the police verification certificate and acknowledgment slip of the same for all the employees to IUAC.
- d) During execution of work, the contractor should follow all standard norms of safety measures/precautions to avoid accidents/damages to men, machines and buildings. On non-adherence of this clause, suitable fines, as decided by the Director, IUAC shall be imposed.
- e) Manpower deployed by the contractor at our site for carrying out the contracted works is strictly prohibited being associated with any other works other than the awarded works on the campus.
- f) If any contractor's person is found to be misbehaving or to be negligent in the duties assigned to him/her, IUAC reserves the right to seek his/her removal from IUAC, with suitable replacement within 24 hours.
- g) No material belonging to the contractor 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 Centre.
- h) In case of any injury to contractor's person at IUAC campus, due to any reason, the contractor shall be responsible for taking the person to the hospital / nursing home / dispensary for treatment at his own cost. If in the case of emergency IUAC vehicle is used, IUAC incurs any expenditure on the treatment of the person, the contractor will be suitably charged for the same.
- i) Under no circumstances the contractor will be permitted to sublet his work to any another contractor while working at IUAC. Likewise, the Contractors persons will not be permitted to undertake any private jobs in the IUAC Campus.
- j) No labour below the age of 18 years shall be employed on work.
- k) IUAC will provide free water and electricity at one point and contractor has to make his own arrangements from that point as per his requirements.

2.29 Clarification of Bids and shortfall documents: 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.

If discrepancies exist between the uploaded scanned copies and the Originals submitted by the bidder, the original copy's text, etc., shall prevail. Any substantive discrepancy shall be construed as a violation of the Code of Integrity, and the bid shall be liable to be rejected as non-responsive in addition to other punitive actions under the Tender Document for violation of the Code of Conduct.

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 change since then and does not grant any undue advantage to any bidder.

2.30 Water /Electricity for Execution of Works: (Not Applicable for this work)

Electricity and water required to execute the work shall be made available at one point by IUAC subject to the following conditions: -

(I) The Electricity and water charges @ 1% and 1 % respectively shall be recovered on gross amount (excluding of GST) of the work done.

(ii) The contractor(s) shall make his/their own arrangement of electricity and water connection by laying of electric cable / pipelines from the existing main source of electric/water supply. (iii) The Department do not guarantee to maintain uninterrupted supply of electricity / water and it will be incumbent on the contractor(s) to make alternative arrangements for electricity /water at his/ their own

cost in the event of any temporary break down in the Government electric/ water main so that the progress of his/their work is not held up for want of electricity and water. No claim of damage or refund of charges will be entertained on account of such incident.

2.31 The Centre reserves the right to reject any or all the tenders in full or in part without assigning any reasons whatsoever and the decision of the IUAC in this regard will be binding on all the bidders. Tenders not complying with any of the provisions stated in this tender document are liable to be rejected. Director, IUAC reserves the right to accept or reject any tender without assigning any reason and does not bind himself to accept the lowest tender. Tender once submitted will remain with IUAC and will not be returned to the bidders.

2.32 Jurisdiction: Notwithstanding any other courts having jurisdiction to decide the questions forming subject matter of a suit any and all actions and proceedings arising out of or relative to this contract (including any arbitration in terms thereof) shall lie only in the court of competent Civil jurisdiction in this behalf at New Delhi., where this contract is to be signed on behalf of and only the said court shall have jurisdiction to try any such actions and/or proceedings to the exclusion of all other courts.

2.33 Dispute Settlement: It is mutually agreed that all differences and disputes arising out of or in connection with these agreements shall be settled by mutual discussions and negotiations if such disputes and differences cannot be settled and resolved by discussions and negotiations then the same shall be referred to the sole Arbitrator appointed by the Director, IUAC whose decision shall be final and binding on both the parties. The contract shall be governed by laws and procedures established by Govt. of India, within the framework of applicable legislation and enactment made from time to time concerning such commercial dealings/ processing.

2.34 Termination of Contract: - The Director, IUAC reserve the right to terminate the contract immediately on account of poor workmen ship, failure to mobilize the site within 15 days, non-compliance of set norms/ specifications for the works, delay in progress of work, violation of any contract provisions by the contractor. In such cases, the Bank Guarantee equivalent to one month's contract value held with IUAC and the EMD will be forfeited. The contract can also be terminated at the request of either party.

2.35 Resolution of Dispute: All disputes arising out of this contract shall be referred to the sole arbitration of a person selected by the contractor out of the panel of three persons nominated by the Director IUAC, and his decision /award shall be final and binding on both parties. The Arbitration shall be governed under the Indian Arbitration Act 1996 or any statutory modifications or re-enactment thereof and rules made there under and for the time being in force shall apply to the arbitration proceeding under this contract. Any dispute arising out of this contract will be subjected to jurisdiction of New Delhi/Delhi.

2.35 Correspondence: All the correspondence in respect of tender/contractual obligation shall be addressed to A.O. (S&P), Inter-University Accelerator Centre (IUAC), P.B. No. 10502, Aruna Asaf Ali Marg, New Delhi-110067. For any inquiries regarding technical aspect may contact Mr. Somasundara Kumar Sonti, Engineer-In-Charge, e-mail: sundaram.nsc@gmail.com, Phone: +91-11-24126018, 24126022.

2.36 This notice inviting tender will form part of the contract agreement to be executed by the successful tenderer on a stamp paper of Rs.100/-.

Accepted

Signature of the Bidder

(Name and Address of the Bidder)

SPECIAL TERMS AND CONDITIONS OF CONTRACT /WORK

- a) **CARRYING OUT 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
- b) **CONTRACTOR'S RESPONSIBILITY FOR THE MANNER OF EXECUTION OF WORKS:** **The contractor 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.
- c) **SPECIFICATIONS:** During execution of work, the contractor 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.
- d) **AGENCY'S RISKS:** 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.
- e) **ACTION AND COMPENSATION PAYABLE IN CASE OF BAD WORK:** If it shall appear to IUAC, or our representatives, that any work has been executed with unsound, imperfect or unskillful workmanship **then the contractor shall be liable to pay compensation.**
- f) If during the execution of works, any damage is caused to IUAC property by contractor's workers, contractor will duly make good the loss. IUAC has the right to make suitable deduction from contractor's bills along with penalty, if contractor fails to make good the loss.
- g) No material belonging to the contractor 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 without any reservation.
- h) If during the execution of works, any damage is caused to IUAC property by contractor's workers, contractor will duly make good the loss. IUAC has the right to make suitable deduction from contractor's bills along with penalty, if contractor fails to make good the loss.
- i) During execution of work, the contractor 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 will have his own arrangement to escort the labour to the nearest hospital for treatment in case any injury happens to any worker during execution of work.

Seal & Signature of Bidder

1. Introduction:

It is mandatory that bidder should visit the site and understand the nature of work before submitting the offer.

IUAC is having 2 nos. of Cooling Towers Model-2230, Paharpur-Make in Ph-2 A/C plant installed in the year 1995. These Cooling Towers are running 24 X 7 to supply cooling water to condenser of 250 TR chiller unit, which is providing uninterrupted air conditioning of area and process cooling water requirements of scientific equipment in BH-II, Engineering. Building, PARAS, Geochronology Lab., and Material Sc. Building.

It is proposed to replace the existing cooling towers with new ones including dismantle and safe disposal of the existing 2 nos of cooling towers and associated accessories and supply, installation, testing and commissioning of 02 nos of new cooling towers of 300 TR (each) Heat Rejection Capacity, foundation, main electrical panel etc, to meet the cooling requirement. These cooling towers should be connected to the existing supply and return lines of the condenser water pipe.

2. Scope of Supply and Work:

It is mandatory that vendors should inspect the site before quoting the rates, so as to ensure that the new Cooling Towers will be shifted through the available access and fit in the available area with proper working space all around (Schematic diagram of existing Cooling Towers attached).

The price quoted by the bidder shall cover the cost of items as following:

2.1. Dismantling and Safe Disposal of Existing 2 no's of Cooling Towers away from IUAC Site

2.11 Dismantling and Safe disposal of the existing 02 no's of cooling towers, including all associated structural supports, foundation, piping (up-to the existing 8" Cooling Tower IN Flange and 10" Cooling Tower OUT Flange), valves, electrical connections, and accessories.

2.12 Transportation and disposal of dismantled materials in compliance with applicable local environmental and safety regulations. The safe disposal of scrap items away from the site to be done within 15 days of dismantling work or else Rs. 10,000 per week will be levied as holding charges.

2.13 Discount offered for the BUY BACK OF existing 02 nos of 300 TR (each) Heat Rejection capacity Cooling Towers on as is where is basis. This item should be quoted separately in BOQ, failing which the Bid may be rejected.

NOTE:

1. IUAC will not provide any GST bill/invoice towards the Buyback of existing 02 nos of 300 TR (each) Heat Rejection capacity Cooling Towers. IUAC will only issue Gate Pass for buy back items. Bidder has to consider this while quoting amount against credit towards Buy back.
2. Final evaluated cost will be considered for price comparison among the participating bids only.
3. Every bidder has to mandatorily quote all items in BOQs.

2.2. Supply of New Cooling Towers 2 No's

- 2.2.1 Supply of a factory-assembled / site-assembled induced draft cross flow FRP cooling tower (as per tender specifications).
- 2.2.2 The new cooling tower must match or exceed the cooling capacity to meet the specified technical requirements.
- 2.2.3 Delivery of all necessary components, including fan motors, drift eliminators, fill media, louvers, piping, valves, structural supports, and other accessories.

2.3. Installation

- 2.3.1 Mechanical installation of the new cooling towers, including anchoring to existing/new foundations, alignment, and integration with existing HVAC systems.
- 2.3.2 Reconnection of all piping, valves, and electrical/control systems.
- 2.3.3 Installation of vibration isolators, if required, to ensure smooth operation.

2.4. Testing and Commissioning

- 2.4.1 Pre-commissioning checks, including verification of electrical connections, motor alignment, and water flow rates.
- 2.4.2 Hydrostatic and leak testing of piping and equipment.
- 2.4.3 Trial runs and functional testing of the cooling tower under load conditions.
- 2.4.4 Balancing of water flow and adjustment of control systems to ensure optimal performance.

2.5. Safety and Compliance

- 2.5.1 All work must be carried out in compliance with local safety norms, statutory requirements, and best practices in HVAC installation.
 - 2.5.2 Contractor shall ensure the use of appropriate PPE, barricading, and safety signage throughout the duration of the project. The supplier shall give the performance and capacity test of all the equipment for its rated parameters after installation, testing & commissioning at site. It is entirely bidder's responsibility to ensure that the room desired air condition is maintained. And test for the same shall be conducted for minimum one week running.
- 3** Electrical Starter (Star-Delta Panel including MCCB, OLR, Contactors, SPP, Ampere / voltage digital meter, start / stop push buttons Auto/Manual, indicating lamps for on / off for blowers as per requirements).
 - 4** The cooling tower shall have warranty period of one year from the date of commissioning. The same shall be provided by the OEM.

- 5 Power / Control cable shall be laid in the tray / wall and include cable, ties, compression glands, thimbles, terminations, laying, saddles, fasteners etc.
- 6 VFD of suitable capacity as per requirement including VFD, temperature sensors, electrical modifications / upgradation etc. in starter etc.
- 7 The system installation team should comprise of a Technical Supervisor, experienced and approved welder(s), pipe fitter, grinder, helpers etc.,
- 8 Preparation of piping layout drawing including support details. The same should be got approved by us before fabrication and 2 copies of as built drawings & one soft copy both in solid works and in pdf to be submitted. Works shall be allowed only after approval of drawings.
- 9 Manufacturer's Material & Test certificates for all the equipment/material including MS Pipe, MS Fittings etc., should be submitted to us before starting execution of works by the contractor. Without submission of test certificates and approval from our end, work will not be allowed.
- 10 All the works will be done as per the technical specifications mentioned in Annexure-1.
- 11 All rates should be quoted by the bidder's item wise after carefully going through the technical specifications.
- 12 No deviations from scope of work & technical specifications will be acceptable.
- 13 The works are only indicative and all the activities needed for completion of the works have to be accounted for by the bidder at the time of quoting.
- 14 Bidder should take into account all the implicit items not specified here-in, but are essential for completion of the work. The costs of such items should be in-built in the costing of the item rates. If the items are not taken into account, they should be clearly brought out in the Technical Bid (Part-A) of the bid document.
- 15 While carrying out the works all precautions have to be taken to ensure no defacing / damage occurs to adjacent area / equipment etc., In case of any damage occurs, the same has to be rectified/repared free of cost by contractor.
- 16 **Civil Works:** Civil work 'if any' will be in bidder's scope and quoted rates to cover for the same. This also includes digging & refilling, removal and disposing off the debris/malba outside IUAC at MCD designated place.
- 17 **Inspection:** Inspection visits for raw material, during fabrication, testing arrangement at factory / manufacturer's place and before final dispatch shall be made by the bidder. Cost towards inspection shall be borne by the vendor. However, cost of transport / lodging if any, for inspection shall be borne by the IUAC.
- 18 **Storage and living accommodation:** The contractor will be responsible for storage of material/ equipment at site and necessary locking; safety and security arrangement will have to be made by the successful bidder at his cost. Safety of all the materials stored and responsibility of the same shall entirely be that of the bidders. IUAC does not provide any living accommodation.

19 Codes and Standards: All the design / material / workman ship / fabrication shall conform to the latest editions of relevant Indian / American Standard Codes.

20 Documents to be furnished by Vendor After Award of Contract:

- a) Activity bar Chart
- b) Selection sheet / data sheet for Cooling Towers.
- c) List of Make, Model and specifications of all the items for approval before supply at site.
- d) General Arrangement Drawing for Cooling Tower, piping, electrical panel etc. or as required by Engineer In-charge.
- e) Drawing Showing details of each section of cooling Towers indicating connection details, mounting, foundation data etc.
- f) Electrical panel, power and control circuit drawings.
- g) Manufacturer's material and test certificate, reports, manuals for Cooling Towers, piping, valves etc. should be submitted for all the material.
- h) Performance curves and details for Fan blade and Motor

Technical Specifications:

Technical Data <u>TO BE SUBMITTED BY BIDDER WITH TECHNICAL BID</u>			
	<u>Item (Bidder's Scope & deemed to include in quoted price)</u>		<u>To be filled by Bidder</u>
1.	INDUCED DRAFT CROSS FLOW FRP COOLING TOWER		
1.1.1	Make	Paharpur, Paltech, Northern, Mihir	
1.1.2	Model		
1.1.3	Qty	2 nos	
1.1.4	Total Design / Working Flow Capacity	275 CMH minimum or as required	
1.1.5	Cooling Capacity/Heat rejection Capacity	300 TR	
1.1.6	Overall Size of Tower (Maximum) (Both Tower shall fit in the area designated in 1.1.6. with working space all around) Site Dimensions where cooling Tower will be installed. L x W mm	12000 x 5400	
1.1.7	Hot Water Inlet Temperature °C	36.38	
1.1.8	Design Ambient WBT °C	28.33	
1.1.9	Re-cooled Water Temperature °C	32.2	
1.1.10	Design Approach °C	3.9	
1.1.11	Wind Velocity for Performance KMPH	STILL Air	
1.1.12	Wind Velocity for Tower Structural Design KMPH	120	
1.1.13	Tower Operation	Continuous	
1.1.14	Duration of Operation	Continuous, 24 hrs / day.	
1.1.15	Live Load for Fan Deck		
1.1.16	Type of Fluid, Flow	Water, Cross	
1.1.17	Nature of Liquid	Neutral	
1.1.18	Number of Cells	Single/Multiple	
1.1.19	Certification	CTI	Confirm
1.2	<u>FEATURES OF CONSTRUCTION</u>		
1.2.1	Tower		
1.2.2	Type of Tower	Induced Draft FRP	
1.2.3	Type of Air Inlet	From sides	
1.2.4	Basin Type	Basin > 300 mm height	

1.2.5	Make up, Quick Fill & Overflow Connection	Not Required.	
1.2.6	Drain connection with valve	Yes.	
1.3	<u>MATERIAL OF CONSTRUCTION</u>		
1.3.1	Casing	FRP	
1.3.2	Inlet Louvers	FRP	
1.3.3	Fill	PVC (Fire Retardant)	
1.3.4	Fill Support	HDGMS	
1.3.5	Internal Supporting Structure (Please mention type / size / details of support structure)	HDGMS	
1.3.6	Water Distribution System	PVC	
1.3.7	Drift Eliminator and it's support	PVC	
1.3.8	Recovery Stack		
1.3.9	Orifices / Nozzles	PVC	
1.3.10	Fan Blade	Aluminum Alloy / FRP	
1.3.11	Fan Hub	S.S., Taper Bush fitting	
1.3.12	Fan Deck	FRP	
1.3.13	Hardware above Fan Deck	Hot Dip Galvanized Steel	
1.3.14	Hardware Below Fan Deck		
1.3.15	Drive Shaft	Reduction gearbox.	
1.3.16	Basin	FRP	
1.3.17	Basin Supporting Structure	Hot Dip Galvanized Steel	
1.3.18	Access Ladder	SS	
1.3.19	Fan Guards	Hot Dip Galvanized Steel	
1.3.20	Hand Rail	SS	
1.3.21	Motor Casing	Hot Dip Galvanized Steel	
1.3.22	Fasteners	S.S.304/316	
1.4	TESTS AND INSPECTION		
1.4.1	Performance Test	Witnessed	
1.4.2	Test Location	Site	
1.4.3	Visual Inspection	Required	
1.4.4	Test Certificates for Fan	Required	
1.4.5	Test Certificates for Motor	Required	
1.5	Bidder's Scope of Supply		
1.5.1	No. of Cooling Towers	2	
1.5.2	Erection Included	Yes	
1.5.3	Supervision Included	Yes	

1.5.4	Base / FRP Basin support Frame	Yes	
1.5.5	R.C.C. Foundation Construction Included	Yes (Item rate in BOQ)	
1.5.6	Temperature Gauge at Inlet / Outlet	Yes (Item rate in BOQ)	
1.5.7	Access Ladder	Yes	
1.5.8	Hand Rail	Yes	
1.5.9	Fan Guard	Yes	
1.5.10	Fan Speed Variators	Yes	
1.5.11	Vibration Limit Switch	No	
1.5.12	Vibration Isolators	Yes	
1.5.13	Float switches	No	
1.5.14	Motor, Squirrel Cage, induction motors, continuous duty, Insulation Class-F, Protection-IP-55, 415Volts / 3-Phase / 50Hz) kW (suitable for VFD)	Vendor	
1.5.15	Motor Starter	Star-Delta and VFD (in Electrical Panel)	
1.5.16	MCB to Isolate Fan Motor Power Locally with weather proof PVC Enclosure	No	
1.5.17	Remote push button on/off switch near Cooling Tower in Weather proof PVC box.	Yes (Item rate)	
1.6.1	General Arrangement Drawings of Cooling Tower showing Details of Tower and piping Arrangement.		
1.6.1	Thermal Performance Curves		
1.6.2	Fan Characteristic curves		
1.7	DATA TO BE FURNISHED BY BIDDER AFTER AWARD OF CONTRACT.		
1.7.1	Dimensional outline drawing of cooling tower with Plan, Elevation & Cross-Section		
1.7.2	Sectional Arrangement of the Basin showing details of all piping and fixing arrangement.		
1.7.3	Foundation and structural Details Drawing.		
1.7.4	Fan Performance Curve for capacity vs power, static head, efficiency, and blade pitch.		
1.7.5	Thermal Performance Curve.		
1.7.6	Electrical wiring and drive arrangement drawing.		
1.7.7	Operation and Maintenance Manuals.		

Technical Specifications for MS Piping:

1 MS Pipes: The MS pipes shall be ERW Black (≤ 150 mm shall be as per IS 1239, PTI, Heavy Class and ≥ 200 mm as per IS – 3589, 6.35 mm thick), beveled ends.

2 Flanges: The flanges forged ASTM - A105, SORF, ANSI B16.5, 150 lb, Table 15. Flanges may be tack welded into position, but all final welding shall be done with joints dismounted. 3 mm thick gaskets shall be used with all flanged joints. The gaskets shall be fiber reinforced rubber as approved by the Engineer-In-Charge/ the associated personnel. Counter flanges for butterfly valve shall be provided by successful bidder.

3 Fittings: All fittings should confirm to ASTM A234, GR WPB, Sch.40, ANSI B 16.9. All integral branch off shall be stub connected. All fittings shall be tested to a pressure of 15 KSC.

4 Bolts: All bolts shall be as per IS: 1367 CL 4.6 with dimensional standard as per IS:1364 and length to suit.

5 Nuts: All nuts shall be as per IS: 1367 CL 4.0 with dimensional standard as per IS:1364 and Hexagonal.

6 Gaskets: All gaskets shall be as per CAF IS:2712 GRW/3 with dimensional standard of ANSI B 16.21 150# and 3 mm thick Ring Type.

7 Butterfly Valves: All butterfly valves shall be as per IS 13095:2020 with CI body, SS-304 disc (CF8), Black Nitrile Liner, AISI 410 shaft, lever operator and PN -16 pressure rating.

8 Welding:

- a) Welding operations shall confirm to Chapter V of the code of Refinery piping ANSI B31.3 - latest edition.
- b) All pipe ends shall be prepared V-end & tac welded before final welding.
- c) The welder will be pre-qualified by us based on the 180-degree face and 180 deg root bend test of the samples to be test welded by him in our presence and in 45-degree position and the test result will be furnished by the bidder from a Govt. approved test house.
- d) All expenditure to be incurred on the pre-qualification of the welder will be borne by the bidder including the cost of samples and arrangements made thereof.
- e) **Welding work will be allowed only after completion of welder test and submission of test report.**
- f) Welders and welding procedures shall be certified as per section IX of ASME Boiler and pressure vessel code - latest edition.
- g) **The electric current for welding will be DC straight polarity (electrode negative).**
- h) All pipes shall be butt welded as per ANSI B16.25.
- i) The welding electrode to be used will be only **Adore/Advani/ IOL.**

9 Testing of the Piping:

In general, tests shall be applied to piping before connection of equipment and appliances. In no case shall the piping, equipment or appliances be subjected to pressures exceeding their test ratings. The tests shall be completed and approved before any insulation is applied. Testing of segments of pipe work will be permitted, provided all open ends are first closed, by blank offs or flanges. After tests have been completed the system shall be drained and flushed 3 to 4 times and cleaned of all dust and foreign matter.

All strainers, valves and fittings shall be cleaned of all dirt, fillings and debris. All piping shall be tested to hydraulic test pressure of at least one and half times the maximum operating pressure but not less than 10

kg/cm² for a period of not less than 12 hours. All leaks and defects in the joints revealed during the testing shall be rectified to the satisfaction of the Engineer-In-Charge, without any extra cost.

All the piping systems shall be tested in the presence of the Engineer-In-Charge or their authorized representative. Advance notice of test dates shall be given and all equipment, labor, materials required for inspection, and repairs during the test shall be provided by the contractor.

A test shall be repeated till the entire systems are found to be satisfactory to the above authority. The tests shall be carried out for a part of work if required by Engineer-In-Charge in order to avoid hindrance in the work of the insulation contractor.

The contractor shall provide all labor and materials to make provision for removing water and throwing it at the proper place, during the testing or/and after the testing to avoid damages to employer or other contractors' properties. Any damages caused by the contractor to the employer or other contractors' properties, shall be borne by the contractor.

10 Pipe Supports: It should be made of structural steel & include G.I. clamps, anchor fasteners, wooden blocks, insulation pad. Supports will be installed at no larger than 3 meters and as per the design calculations to be furnished by you and consisting of C-channels, Angles, I section etc. of 6 mm minimum thickness. Extra support should be provided at bends & fittings like valves to avoid undue stress at pipes. The support columns have to be appropriately grouted using 1:2:4 concrete mix. The fabrication of hangers, anchors and materials shall conform to the requirements of chapter "Fabrication of pipe hangers, supports, anchors, Sway bracing and piping B31.3-latest issue.

11 Painting:

All exposed metal surface of pipes, fittings and supports must be applied with one coat of red-oxide primer & two coats of PU enamel ICI / Nerolac paint of Approved shade. The surface to be painted shall be cleaned thoroughly before painting.

Anti-Corrosive protection for all underground sections: The bituminous wrap of 3 mm thick should be hot applied for corrosion protection conforming to IS: 10221.

List of Approved Makes		
S. N.	Item	Make
1	Induced Draft Cross Flow FRP Cooling Tower -Single/Multiple Fan	Paharpur, Paltech, Northern, Mihir
2	Starters, Switch gear	Siemens, Schneider, ABB, L&T, GE
3	VFD	Siemens, Schneider, ABB, L&T, GE
4	Single Phase Preventor	L&T, Minilac
5	ACB, MCCB, MCB	Siemens, Schenider, ABB, Legrand, Havells
6	Timer	L&T, Siemens, GE Power Control
7	Voltmeter, Ammeter	Siemens, AE, Rishabh(L&T)
8	Indicating Lamps	L&T, Siemens, Control & Switch Gear
9	Selector Switches	L&T, Siemens, Kaycee
10	Current Transformer	AE, Cappa
11	Thimbles, Lugs	Dowell
12	Power Cables	CCI, Gloster, Incab, Siemens, Universal
13	Control Cables and wires	Finolex, National, Delton, Ecko, Havels, Cord
14	Switches, Sockets	Anchor, Alstom
15	MS / PVC Conduit ISI Marked	BEC, AKG, NIC, Plaza, Kalinga, Precision, Gerard
16	MS ERW Black Pipe	Tata / Jindal Hissar.
17	Structure steel	Tata / Jindal
18	Butterfly Valves	Advance/ Audco
19	Anchor Fasteners	Cannon / Hilti / Fisher
20	Filler Wires	Adore / BOC / L&T
21	Paint / Primer / Thinner	Asian/Nerolac/Dulux
22	Glass thermometer	H.Guru / Japsin
23	Temperature sensors	Honeywell / Siemens, Johnsons

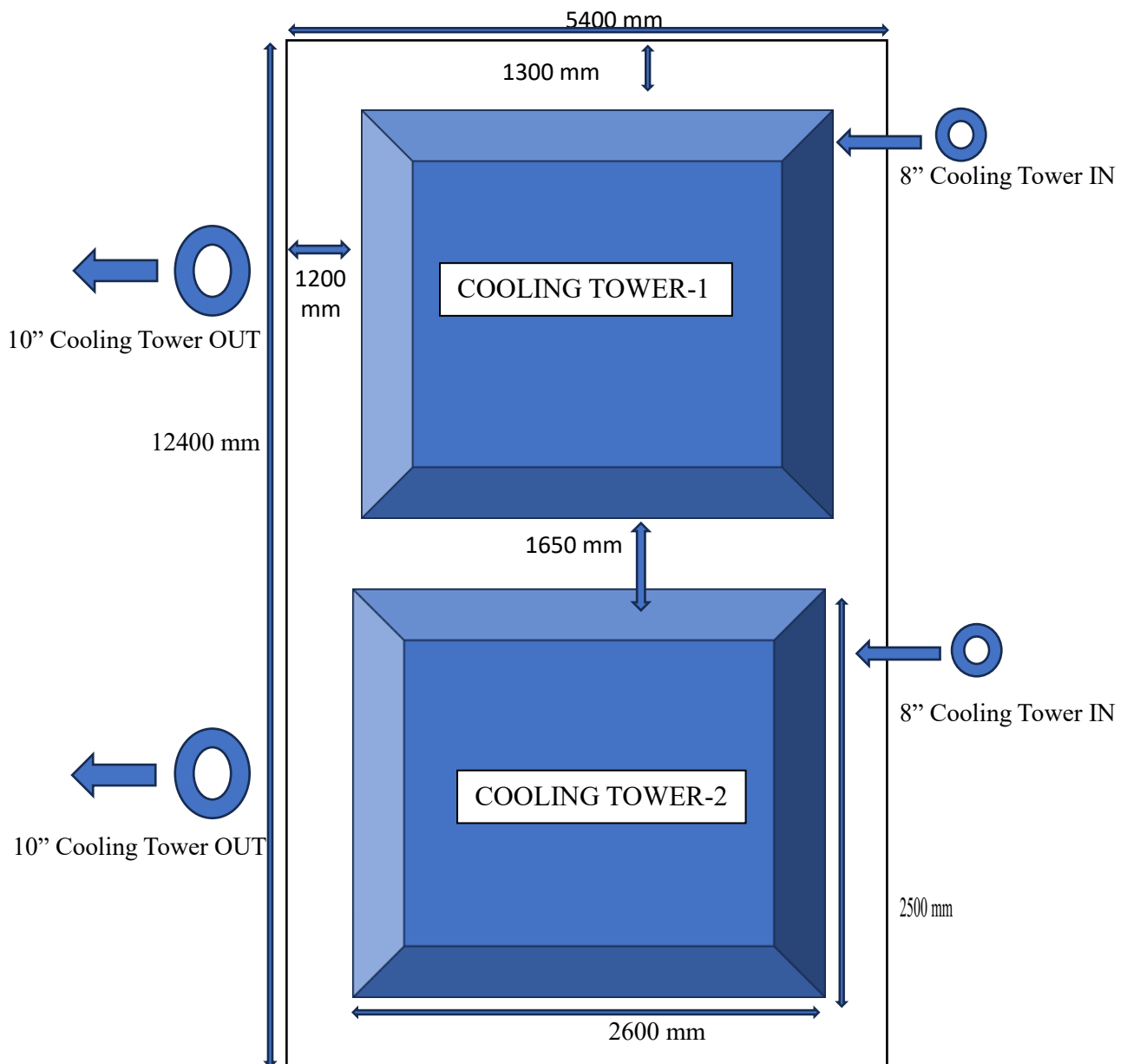
NOTE:

- IUAC reserves the right to add or delete the approval list of makes for certain items, if found not compatible with the system. In case the make of any item is not mentioned, the same should be of well-known reputed ISI. Above makers of materials are approved subject to their meeting the tender specification & site requirements.
- The contractor shall supply ISI marked material as per of the makes/brands indicated above. In case, the firm is not manufacturing ISI marked material for any of the brands, first quality material shall be accepted.
- The samples of the material shall in either case have to be got approved from the Engineer-in-charge.
- Material where no make/brand has been mentioned, in this case ISI marked samples shall be submitted by the contractor for approval of Engineer.
- Contractor will be responsible to ensure the quality of products listed in approved list of makes/brands. Contractor will have to replace the defective and sub-standard materials at his own cost.

Seal & Signature of bidder/Bidder

INTER UNIVERSITY ACCELERATOR CENTRE

NEW DELHI



SCHEMATIC DIAGRAM OF EXISTING COOLING TOWERS AT SITE

NOT TO SCALE

Seal & Signature of bidder/Bidder

PRICE BID (PART – B)**(TO BE FILLED BY BIDDERS only in .XLS BOQ Format Attached)**

Replacement of Existing cooling towers with new cooling towers including Dismantle and Safe Disposal of the existing 02 nos of Cooling Towers and associated accessories, SITC of 02 nos of New Induced Draft Cross Flow FRP Cooling towers of 300 TR (each) Heat Rejection capacity and associated MS piping with other accessories at IUAC, Aruna Asaf Ali Marg, New Delhi-110067

Price Bid/ BOQ --: SCHEDULE OF QUANTITIES

S.No	Description of the Item (Rates shall include Supply, Installation, Testing and Commissioning of all the items mentioned below and detailed scope of Work & Technical Specifications as per NIT)	Units	Estimated Qty	Unit Rate	Total Rate (Excluding GST)
1.01	FRP Cooling towers of 907184.74 kcal/hour (300 TR) heat rejection capacity, flow capacity of 275 m ³ /h, condenser Water Inlet/Outlet Temp. 36.4 /32.2 °C, Design ambient WBT- 28.2 °C, Design Approach- 3.9 °C with assembly with FRP water basin of not less than 300 mm height, PVC fillings with integral louvers and drift eliminators complete with hot water basin / PVC header fitted with spray nozzles, statically and dynamically balanced axial flow type driven through reduction gear box fan single/multiple- with TEFC induction motor, air inlet screen, drain connections with valve, suitable inspection SS ladder, access arrangement for cooling tower interior, fan blades & hub assemblies, fan casing, water distribution system, water outlet S.S screen, heavy duty FRP side panels, fan guard, internal support, inlet & outlet flanges etc. CTI certified and as per specification and technical data sheet.	Sets	2		
1.02	Foundation made of RCC pillars / beams of suitable size and number (Cooling tower will be installed at 3 ft high from water tank roof level) suitable for Cooling Tower as per Manufacturer's design. M.S. Tor Bar Jaal, 150 mm grid made of 8 mm minimum dia M.S. tor bars, made with water proof cement: sand: concrete mixture 1:1.5:3, properly leveled and 12.5 mm thick plastered with water proofing cement. Duly painted with water proofing paint.	Cum	4		

1.03	Steel C- Channel base, Heavy Duty Hot Deep Galvanized Steel, Size-200x75x8 mm, bottom flange shall be grouted on RCC beams with 5/8" Dia bolts, Top flange shall be bolted to Cooling tower bottom ends. Intermittent support grid of 750 mm of L- Section-50x50x6 mm shall be provided including one coat of epoxy primer and two coats of Grey Shade epoxy paint. Suitable for item no. 1.01	Kgs	2200		
1.04	Local on / off push button control of cooling tower fan motor on cooling tower for each tower including weather proof (IP55) FRP / PVC box and controls. Cable as per item rate -1.14.1.	Nos	2		
1.05	MS Pipe, ERW, Black, Heavy Class, 6.35 mm thick, IS 3589 including fittings like tee, bends, reducers, necessary clamps, vibration isolators but excluding valves, strainers, gauges, flanges and welding of all joints as per specifications and as required of following sizes: 8" NB Size	RM	100		
1.06	M.S. Flanges, rating – 150 lbs, ANSI B16.5, RF-serrated type including gaskets, bolts, nuts & washers etc. as required as following: 8" NB Size	Nos.	85		
1.07	Butter fly Valve shall be as per IS 13095:2020 with CI body, SS-304 disc (CF8), Black Nitrile Liner, AISI 410 shaft, lever operator and PN -16 pressure rating. 8" NB Size	Nos.	20		
1.08	Bituminous wrap of 3 mm thick conforming to IS: 10221 over the pipe for the following sizes: 8" NB Size	RM	100		
1.09	Anti corrosive Painting: Exposed metal surface of pipes must be applied with one coat of red-oxide primer & two coats of PU enamel paint of Approved shade. 8" NB Size	RM	55		
1.10	Wall Mounting Pipeline Support: Including MS-C-section (75 mmx 40mm x 4.5mm), U-Clamps of 8 mm diameter, Anchor fasteners (nut, bolt and washer), Rubber padding of 3 mm thick and Painting (one coat primer + two coat synthetic enamel) etc.	Kgs	1000		
1.11	Star-Delta starters of suitable capacity and number suitable for the quoted cooling towers fans (2 no. of 20 HP) with MCCB, contactors, timer, O/L relay, single phase preventor, On-Off indications, push buttons, VAF Meters etc complete as required. To be replaced into the existing cubical after dismantling of old parts.	Nos	02		

1.12	VFD drive of suitable capacity for above cooling tower fan motor speed control including VFD drive, temperature sensors, associated required changes / components in electric starter panel etc. (This shall be installed with existing star delta Starter.)	Nos	4		
1.13	Industrial Glass Thermometer, Range 0-50 Deg C, Size- 3/4" BSPT, M.S. Long Threaded Heavy-Duty Socket welded on pipe, long heavy-duty bellows made from brass bar.	Sets	8		
1.14	Power Cable XLPE insulated PVC sheathed, steel / wire armoured, cables of following sizes for electric from supply main panel to various loads including interconnections from starters to motors on suitable cable trays /supports, including suitable double compression glands, Terminal lugs, connections etc. as per specifications as required: 3 core x 16 sq mm aluminium conductor, 1.1 kV rating for cooling towers (specifications as above) in existing cable tray	RM	800		
1.15	Power Cable XLPE insulated PVC sheathed, steel / wire armoured, cables of following sizes for electric from supply main panel to various loads including interconnections from starters to motors on suitable cable trays /supports, including suitable double compression glands, Terminal lugs, connections etc. as per specifications as required: 4 core x 1.5 sq mm copper conductor, 1.1 kV in existing cable tray (specifications as above)	RM	400		
1.16	Dismantle of old cooling tower of 300 TR each including foundation, electrical connections, piping disconnections etc.	Lot			
1.17	Dismantle of old M.S. Pipe of 8" NB.	RM	100		
1.18	Demolishing cement Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - In - charge.	Cum	1.00		
1.19	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means of any width & dimension etc. including getting out, back filled & disposal of surplus earth lead upto 200 m & lift upto 1.5 m, as directed by Engineer- In-charge	Cum	18		
1.20	Re-filling available excavated earth , boulders/stones, concrete debris (excluding rock ,laying within range of 400 mtr) below plinth , the concrete floor ,C.C pavements etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering.	Cum	18		
1.21	Providing and laying in position cement concrete of 1:2:4 (1 Cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 40 mm nominal size)grade.	Cum	2		

1.22	Brick work with common burnt clay F.P.S (non-modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1.4 (1 cement : 4 coarse sand)	Cum	2		
1.23	Discount offered for the buyback of scrapped 8” NB M.S. Pipeline and disposal of same out of IUAC campus.	Kgs	3000		
1.24	Discount offered for the buyback of 2 nos of scrapped old cooling towers of 300 TR (each) Heat Rejection capacity on as is where is basis up-to the nearest pipe flanges of cooling towers, motor termination points etc. and disposal of all the scrap out of IUAC campus.	Lot			
	Sub Total				
	GST				
	Total				

NOTE:

1. It is entirely contractor's responsibility to take dimensions, sizes, quantity from site, design the system, and take IUAC's engineer's approval before actually bringing the material to site.
2. In case of ambiguity in specifications mentioned in BOQ/Data Sheet/ Scope of work/Technical specification, the superior of all will be applicable. IUAC Engineer-In-charge decision will be final.
3. Kindly note that final payment shall be made as per the actual quantities installed. For this a joint measurement of the IUAC and the contractor will have to be taken. The responsibility and the facilitation for taking the measurements will rest with the contractor.
4. It is confirmed that the above rates are exclusive of GST and GST extra as applicable.
5. Statutory charges, if any, must be specifically indicated by the bidder.
6. Transportation and disposal of dismantled materials in compliance with applicable local environmental and safety regulations. The safe disposal of scrap items away from the site to be done within 15 days of dismantling work or else Rs. 10,000 per week will be levied as holding charges
7. IUAC will not provide any GST bill/invoice towards the Buyback of scrapped 300 TR Heat Rejection capacity (each) Cooling Towers/ piping etc. IUAC will only issue Gate Pass for buy back items. Bidder has to consider this while quoting amount against credit towards Buy back.
8. Final evaluated cost will be considered for price comparison among the participating bids only. Every bidder has to mandatorily quote all items in BOQs.

Signature of the Bidder_____

Name_____

Seal of the Company

SITE VISIT UNDERTAKING

(To be submitted wherever required)

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

Certificate/ Undertaking

This is to certify that we have visited the site where IUAC Campus at Inter-University Accelerator Centre, Aruna Asaf Ali Marg, New Delhi -110067 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

PROFILE OF THE TENDERER**(To be given on Company Letter Head)**

Tender For Replacement of Existing cooling towers with new cooling towers including Dismantle and Safe Disposal of the existing 02 nos of Cooling Towers and associated accessories, SITC of 02 nos of New Induced Draft Cross Flow FRP Cooling towers of 300 TR (each) Heat Rejection capacity and associated MS piping with other accessories at IUAC, Aruna Asaf Ali Marg, New Delhi-110067

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

<u>2022-23</u>	:
<u>2023-24</u>	:
<u>2024-25</u>	:
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 Bidder & Seal

(Name and Address of the Bidder)

Company Seal

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).

4. 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.
5. The corrigendum(s) issued from time to time by your department/ organization too have also been taken into consideration, while submitting this acceptance letter.
6. I / We hereby unconditionally accept the tender conditions of above-mentioned tender document(s) / corrigendum(s) in its totality / entirety.
7. I / We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking.
8. 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)

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: 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)

Signature of the Bidder

(Name and Address of the Bidder)
Company Seal

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 of the Bidder

(Name and Address of the Bidder)

Company Seal

(Undertaking on Blacklisting on Bidder's Letterhead)

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:

(For Works Contracts, including Turnkey contracts)

(Undertaking on Bidder's Letterhead)

Tender Ref. No.....

Dated:

CERTIFICATE

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

OR (whichever is applicable)

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries and hereby certify that this bidder is from _____ (Name of Country) and has been registered with the Competent Authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. I also certify that this bidder fulfils all the requirements in this regard and is eligible to be considered.

(Copy/ evidence of valid registration by the Competent Authority is to be attached)

Signature of Bidder/ Agent

Name:

Designation:

Organization Name:

Contact No.:

Performance Statement**Statement of Supplies During Last Three Years and Outstanding Current Orders**
(To be submitted as part of Technical bid on Company Letter-head)

Tender Document No.;

Tender Title:

Bidder's Name _____

[Address and Contact Details]

Bidder's Reference No. _____ Date.....

Note to Bidders: Fill up this Form your past performance highlighting their qualification to supply relevant Goods. Statements and Documents to the Performance Statement may be mentioned/ attached here. The list below is indicative only. You may attach more documents as required to showcase your past performance. Add additional details not covered elsewhere in your bid in this regard.

Order issued by	Order No. & Date	Qty ordered	Quantity supplied	Price at which supplied	The total value of the order	Status as on date----

.....
(Signature with date)

.....
(Name and designation)

Duly authorized to sign bid for and on behalf of

.....
.....
[name & address of Bidder and seal of company]

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
3. Details of the Location at which the Local Value Addition is made _____
4. Details of Local Content

“Local Content” means the amount of value added 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.

CHECK-LIST FOR PRE-QUALIFICATION BID

SITC of Induced Draft Cross Flow FRP Cooling towers of 300 TR heat rejection capacity at IUAC, Aruna Asaf Ali Marg, New Delhi-110067

Sl. No.	Documents asked for	Page number at which document is placed
1.	Site Visit Undertaking (ANNEXURE-A)	
2.	Profile of the Tenderer (ANNEXURE-B)	
3.	Tender Acceptance Letter (ANNEXURE-C)	
4.	Bid Security Declaration (ANNEXURE-D)	
5.	Declaration for Code of Integrity and Conflict of Interest (ANNEXURE-E)	
6.	Undertaking on letter head (ANNEXURE-F)	
7.	Undertaking on the letter head Certificate - Bidder Not from/ from Country sharing Land border with India & Registration of Bidder with Competent Authority (ANNEXURE-G)	
8.	Performance Statement - ANNEXURE-H	
9.	Declaration of Local Content (ANNEXURE-I)	
10.	Technical Specification/Scope of Work and Technical Data Sheet - ANNEXURE-1	
11.	Proof of submission of EMD/ MSME/NSIC Registration Certificate	
12.	Self-attested copy of the EPF, ESI, GSTIN & PAN card issued by the respective authorities.	
13.	Copies of work/supply orders as specified in the NIT along with satisfactory performance certificates from the concerned employers.	
14.	Annual turnover of last three financial years (2021-22, 2022-23 & 2023-24) duly certified by the Statutory Auditors. To support the claim, provide a certificate of CA (No need to provide copies of balance sheet).	
15.	Copies of ITR filed for the last three financial years	
16.	Certificate of OEM / Authorized Dealer or Distributor / Bid specific authorization.	
17.	Signed and stamped copy of NIT.	
18.	Check List (ANNEXURE-J)	
19.	Any other documents, if required.	

Signature of the Bidder.....

(Name and Address of the Bidder) Contact No.....