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|  | Title: EoI cum PQ document to pre-qualify bidders for the tender for “Manufacturing, assembly and supply of mechanical sub-assemblies 1 to 11 numbers for heating system and hardware” | Tender Notice No.             |
|   |  | I-I/EOI/MECH-SA/PQ-02/2023-24 |

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|--------------------------|--|
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| Title     | EoI cum PQ Document to pre-qualify bidders for the tender for “Manufacturing, assembly and supply of mechanical sub-assemblies 1 to 11 numbers for heating system and hardware”<br>EOI No.: I-I/EOI/MECH-SA/PQ-02/2023-24 |
| Sub-title | Instructions to Bidders, Essential Eligibility Criteria Bid submission format, Technical Specifications and Scope of Work   |

**ITER-India, Institute for Plasma Research**  
**Block A, Sangath Skyz, Bhat-Motera Road, Koteswar,**  
**Ahmedabad 380005, Gujarat, India**






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Tender Notice No.

I-I/EOI/MECH-SA/PQ-02/2023-24

## Table of Contents

|  |    |
|--|----|
| 1. Section-I: Instructions to Bidders and Essential Eligibility Criteria ..... | 3  |
| 1.1 Instructions and Information to the Bidders .....                          | 3  |
| 1.2 Tender Fee & EMD.....  | 5  |
| 1.3 System Description and Importance of pre-qualification .....               | 6  |
| 2. Pre-Qualification Process .....   | 6  |
| 2.1 Schedule for pre-qualification .....                                       | 7  |
| 2.2 Pre-Qualification Criteria/Essential Eligibility Criteria (EEC).....       | 7  |
| 2.3 General Information.....   | 10 |
| 3. Award of contract .....   | 10 |
| 3.1 Contract duration .....  | 11 |
| 3.2 Warranty.....  | 11 |
| 4. Section-II: Technical Specifications .....                                  | 11 |
| 5. Bid Submission Content, Format & Instructions .....                         | 13 |
| 5.1 Bid Submission Covers & Contents.....                                      | 13 |
| 6. List of Annexes.....  | 14 |

|   |  |                               |
|---|--|-------------------------------|
|  | Title: EoI cum PQ document to pre-qualify bidders for the tender for “Manufacturing, assembly and supply of mechanical sub-assemblies 1 to 11 numbers for heating system and hardware” | Tender Notice No.             |
|   |  | I-I/EOI/MECH-SA/PQ-02/2023-24 |

## 1. Section-I: Instructions to Bidders and Essential Eligibility Criteria

### 1.1 Instructions and Information to the Bidders

This EOI cum PQ document has been prepared for the pre-qualification of Bidders to participate in the tender titled “**Manufacturing, assembly and supply of mechanical sub-assemblies 1 to 11 numbers for heating system and hardware**”. In order to be considered for the pre-qualification, the Bidder should follow the instructions specified below:

- i. Bidders should carefully read the contents of this pre-qualification document and provide required information with sufficient details so that the capabilities of the applicant Bidder can be assessed fully.
- ii. EOI Documents are available on CPP Portal <https://eprocure.gov.in/eprocure/app> as well as ITER-India web site <https://www.iterindia.in/tenders> under “Opportunities for Industry/ITER India Tenders” menu select Public/Global Tender option for download.
- iii. **Bidders can submit registration form for Scope Appraisal meeting as per Annexure-1 through email ([purchase@iterindia.in](mailto:purchase@iterindia.in)) on or before 04-04-2024.** ITER-India will hold Scope Appraisal Meeting (SAM) with interested bidders via on-line mode through MS Teams/off-line at ITER-India, Institute for Plasma Research, Block-A, Sangath Skyz, Bhat-Motera Road, Koteswar, Ahmedabad – 380005, Gujarat on **08-04-2024 – Time 10:30 a.m.** to give explanation about the project, pre-qualification process and requirements. Link for on-line meeting will be shared with the registered bidders and information for same will be uploaded on our website. Clarifications required by Bidders will be discussed in the meeting. The participating Bidders in the Scope Appraisal Meeting (SAM) will inform ITER-India about their queries latest by **04-04-2024**.
- iv. Bidders should complete the questionnaire and provide the required information, as given in prescribed formats. **Applications duly filled in / scan copies of original shall be uploaded in web site: <https://eprocure.gov.in/eprocure/app> before closing date and time of online submission of tender. No applications shall be received in physical form.**
- v. The applicant should sign each page on the application along with enclosures with rubber stamp before scanning / uploading.
- vi. Uploading of the offer document after the due date and time shall not be permitted. Closing date and Time being displayed on e-Tendering portal for bid submission shall be final and binding on the applicants/bidders.
- vii. All documents shall be in English Language.
- viii. All documents and other information supplied by ITER-India, and submitted by the Bidder to ITER-India shall remain or become the property of ITER-India. Applicants must treat all information provided by ITER-India as strictly confidential. Bidder should not copy any part of the document or figures to use for any other purposes. ITER-India will not return any pre-qualification documents submitted by the bidders.
- ix. All costs incurred by an applicant Bidder towards Scope Appraisal Meeting and preparing the documents shall be borne by the applicant Bidder, and ITER-India is not liable for such costs.
- x. Submittals will be assessed to ascertain that the Bidder possesses the experience and has technical as well as financial capability to carry out the scope of the tender.
- xi. Bidders will not be considered as pre-qualified, if they have a poor performance record such as: abandoning of works, not properly completing contracts, inordinate delays in completing contracts;



adverse litigation history, poor quality of works, financial failure, etc. ITER-India reserves the right to approach past clients of the applicant Bidders to confirm the claims of the bidders.

- xii. The information provided in this document is indicative and preliminary only. Firm and detailed information, specifications, drawings, scope of supply & work, applicable terms and conditions will be provided in the tender document. **The tender document will be issued only to the pre-qualified bidders.**
- xiii. In the event of a conflict between documents submitted by the applicant Bidder, the material contained in the original set only will prevail.
- xiv. Bidders will not be considered for pre-qualification, if they make misleading or false representations in statements, attachments and questionnaire submitted as proof of the qualification requirements.
- xv. Bidders applying for pre-qualification should note that this pre-qualification enquiry and questionnaire are intended to provide preliminary information. The information contained herein shall not in any-way be construed as binding on ITER-India.
- xvi. ITER-India reserves the right not to proceed with the pre-qualification procedure at any time without notice or liability.
- xvii. ITER-India will notify successful pre-qualified Bidders and also intimate bidders who are not pre-qualified with reasons for such disqualification. It should be noted however, that ITER-India will not discuss any aspect of the evaluation process.
- xviii. Bidders are advised that ITER-India will not respond to enquiries or enter into communication concerning or relating to the selection process or to the pre-qualification procedure as otherwise described in the pre-qualification document.
- xix. ITER-India may ask the Bidders any further information or clarification in writing for review of pre-qualification proof submitted by the bidders.
- xx. Bidders will not be required to submit on their own, additional information or material subsequent to the date of submission and such material if submitted will be disregarded. General responses such as “included in brochure” without specific item reference and information without summaries are unlikely to achieve high assessment. It is essential that all pages of the submission should be uniquely numbered and used to cross reference the supporting documents.
- xxi. The Bidder shall ensure that all the documents submitted are duly stamped, signed and numbered serially. Bidders must ensure that only relevant documents are attached with the bid/offer. The tender/bid must contain the name, designation and place of business of the person or persons submitting the bid.
- xxii. Fraud and Corruption – ITER-India, IPR requires that the Bidders engaged through this process must observe the highest standards of ethics during the performance and execution of the awarded project(s). The following terms apply in this context: ITER-India, IPR will reject the application for empanelment, if the applicant recommended for empanelment, has been determined by ITER-India, IPR to having been engaged in corrupt, fraudulent, unfair trade practices, coercive or collusive. These terms are defined as follows: (a) "Corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of ITER-India, IPR or any personnel during the tenure of empanelment. (b) "Fraudulent practice" means a misrepresentation of facts, in order to influence a procurement process or the execution of a contract, to ITER-India, IPR, and includes collusive practice among Bidders (prior to or after Proposal submission) designed to establish proposal prices at artificially high or non-competitive levels and to deprive ITER-India, IPR of the benefits of free and open competition. (c) “Unfair trade practices” means supply of services different from what is ordered on, or change in the Scope of Work which was agreed to. (d) “Coercive practices” means harming or threatening to harm, directly or indirectly, persons or their property to influence their



Title: EoI cum PQ document to pre-qualify bidders for the tender for “Manufacturing, assembly and supply of mechanical sub-assemblies 1 to 11 numbers for heating system and hardware”

Tender Notice No.

I-I/EOI/MECH-SA/PQ-02/2023-24

participation during the period of empanelment. (e) “Collusive practices” means a scheme or arrangement between two or more Bidders with or without the knowledge of the ITER-India, IPR, designed to establish prices at artificial, non-competitive levels; ITER-India, IPR will reject an application for award, if it determines that the bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, unfair trade, coercive or collusive practices in competing for any assigned project during the tender/contract execution.


xxiii. The Project Director, ITER-India reserves the right of selection or rejection of any or all Bidders.

## 1.2 Tender Fee & EMD

a) **Tender Fee: No tender fee is applicable for this tender**

b) **Earnest Money Deposit (EMD):** Bids must be submitted along with Earnest Money Deposit (EMD) for **INR 10,00,000.00 (Indian Rupees Ten Lakh only)** by a Demand Draft or through RTGS or through NEFT (National Electronic Funds Transfer) or through Bank Guarantee as per the details mentioned below:

- i) The DD shall be drawn in favour of **Institute for Plasma Research A/c ITER-India** and payable at Ahmedabad, INDIA. Bidder’s name and PQ-NIT number shall be indicated on the reverse side of the Demand Draft. **Scan copy of the DD to be uploaded on CPP Portal and the original DD must reach to the Senior Purchase Officer within 5 days from the due date for bid submission.** Demand Draft (DD) should not be prior dated to the date of EoI.
- ii) EMD in the form of Bank Guarantee (EMD-BG) on non-judicial stamp paper of appropriate value can be submitted as per the format given in **Annexure-6**. Scan copy of the EMD-BG to be uploaded on CPP Portal and **the original BG must reach to the Senior Purchase Officer within 5 days from the due date for bid submission.**
- iii) EMD can be submitted through RTGS (Real Time Gross Settlement)/ NEFT (National Electronic Fund Transfer) by bidders **prior to bid submission due date.**
- iv) The proof of payment of EMD i.e. DD/ RTGS/ NEFT/BG (scan copy) shall be uploaded with bid documents on CPP portal.
- v) All charges for DD/RTGS/ NEFT/BG shall be borne by the bidder.
- vi) Bank details of ITER-India for **RTGS/NEFT** are as mentioned below:  
Beneficiary Name - Institute for Plasma Research A/c ITER-India  
A/c No. 30360884053  
State Bank of India  
IPR Bhat Branch, Gandhinagar-382428  
IFS Code : SBIN0010864  
MICR : 380002096
- vii) EMD of unsuccessful bidder(s) in pre-qualification process will be returned, without any interest, within 30 days from the date of declaration of pre-qualification results by Purchaser.
- viii) EMD of successful bidders who qualify for tender award, will be returned, without any interest, within thirty days from the date of finalization of technically qualified L1 bidder.

|   |  |                               |
|---|--|-------------------------------|
|  | Title: EoI cum PQ document to pre-qualify bidders for the tender for “Manufacturing, assembly and supply of mechanical sub-assemblies 1 to 11 numbers for heating system and hardware” | Tender Notice No.             |
|   |  | I-I/EOI/MECH-SA/PQ-02/2023-24 |

- ix) EMD of technically qualified L1 bidder will be returned after award of Contract and receipt of error free Security Deposit Bank Guarantee as per Contract terms.
- x) The bidder shall submit along with EOI documents their account details, IFSC code, the name & address of his bankers and copy of cancelled cheque for refund of EMD and payment as applicable.
- xi) The EMD shall be forfeited if the bidder withdraws or amends or impairs or derogates from the submitted tender in any respect within the period of bid validity.
- xii) The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category with the bid. Following categories of bidders are exempted from submission of EMD:
  - (a) Under MSE category, only manufacturers for offered goods and Service Providers for offered Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy. Manufacturer of Goods/Service Provider for Services shall give specific confirmation to this effect at the time of bid submission along with valid MSE registration certificate.
  - (b) Start-ups as recognized by Department for Promotion of Industry and Internal Trade (DPIIT) are also exempted from submission of EMD subject to furnishing proof of valid registration certificate from DPIIT.
  - (c) Seller or Service Provider registered with DPS, DAE.

Such bidder shall have to upload scanned copy of relevant registration document along with their bid.

### 1.3 System Description and Importance of pre-qualification

The manufacturing of sub-assemblies 1 to 11 is to be carried out, which requires precision manufacturing and precision assembly. The interactions will be required between the pre-qualified suppliers and ITER-India in the finalization of the best suited manufacturing of sub-assemblies and integration of these into final assembly. The specifications provided in this document are preliminary and the final procurement specifications with detailed scope of supply and work will be issued to the pre-qualified suppliers as part of tender document.

## 2. Pre-Qualification Process

The steps involved in the process of pre-qualification are as follows.

Step-I: “Expression of Interest cum Pre-qualification” is published.

Step-II: ITER-India will hold Scope Appraisal meeting with the interested bidders to make the bidder understand the project, pre-qualification requirements and any clarifications desired by Bidders. This will be an interactive meeting where Bidders may also highlight the issues they feel necessary during their presentation and can make innovative suggestion for the project.

Step-III: Bidders submit ‘Response to EOI’ as per the pre-qualification requirement to ITER-India. The documents and information must be in the format asked for.



Title: EoI cum PQ document to pre-qualify bidders for the tender for “Manufacturing, assembly and supply of mechanical sub-assemblies 1 to 11 numbers for heating system and hardware”

Tender Notice No.

I-I/EOI/MECH-SA/PQ-02/2023-24

Step-IV: Committee of ITER-India evaluate the ‘Response to EOI’ submitted by Bidders against the pre-qualification requirements. If it becomes necessary to seek clarifications from the bidders regarding EEC, questionnaire and any other terms and conditions, the same will be sought through email from the bidders. In such an event, the bidder will furnish all the required clarification to the Sr. Officer (Purchase & Stores), ITER-India, on or before the date fixed for submission of such clarifications, by ITER-India. If the clarifications sought for, are not received through email before the due date, such pre-qualification documents are liable to be rejected without any further notice. Purchaser shall not bear the responsibility of delay in receipt of required clarification(s). Evaluation may involve, visiting the bidder’s workplace and visiting similar projects carried out by the bidder in the earlier contracts.

Step-V: ITER-India declares the pre-qualified bidders and informs in writing to the qualified Bidders and dis-qualified bidders, based on the committee recommendations.

## 2.1 Schedule for pre-qualification

Refer to NIT for the tentative schedule for the pre-qualification process.

### NOTE:

If there is any change in the specified dates, the same will be intimated to the participating bidders by ITER-India.

## 2.2 Pre-Qualification Criteria/Essential Eligibility Criteria (EEC)

Bids meeting the Essential Eligibility Criteria (EEC) shall only be considered as “Eligible Bids” and password protected Technical part of Tender Documents including drawings will be issued to these eligible bidders. Bidder as mentioned in the EEC Table 1 means single Indian company/Indian industry. Bidder must upload self-attested soft copies of documents in support of eligibility criteria. However, meeting the essential eligibility criteria in itself does not automatically qualify through the technical bid evaluation process.

Before proceeding towards essential eligibility criteria, it is requested to read briefing about the project. The manufacturing of sub-assemblies 1 to 11 is to be carried out, which requires precision manufacturing and precision assembly. There are about 1500 number of components. The total weight of all the finished components put together is about 3800 kg and maximum size of single component Ø 320 mm x 1800 mm and minimum size of single component is Ø 65/ Ø 63 mm x 6 mm. The components details shall be available in about 1200 drawings to be provided to the qualified bidders. These manufactured sub-assemblies are finally assembled to get an integrated system.

It includes different machining and manufacturing processes like wire cutting, CNC machining, honing, epoxy bonding of different metals, brazing and aluminium welding. This system also includes a number of plungers moving arrangement in coaxial structures which make the surface roughness, co-axiality and cylindricity important dimensional features. Further, the sub-assemblies also include different materials like non-ferrous metals (example: - Phosphor Bronze, ETP Copper etc.), insulators/ non-metals (Ultem 2300, Ferrite etc.) and few bought out items.





Title: EoI cum PQ document to pre-qualify bidders for the tender for “Manufacturing, assembly and supply of mechanical sub-assemblies 1 to 11 numbers for heating system and hardware”

Tender Notice No.

I-I/EOI/MECH-SA/PQ-02/2023-24

**Table 1: Essential Eligibility Criteria**

| Essential Eligibility Criteria  | Evidence/Documents to be submitted by the bidder   | Documents submitted(to be filled by Bidder)   |
|---|--|---|
| Bidder shall have valid ISO 9001 certification  | Valid ISO 9001 certification.  | ISO 9001 Certificate ref. ---- dated -----<br><br>Validity -----  |
| Bidder shall have experience of executing at least one project in manufacturing items/components during last ten years from tender date for the following processes:<br>- using Copper and Aluminium alloys/material<br>-Experience of Brazing and Aluminium welding<br>- Motorized Plunger moving mechanism in any system. | Documentary proof (Unpriced Purchase orders copy with relevant technical details and completion certificate/ invoice) to comply with the experience during last ten years.<br><br>Related documents (inspection report/ drawings etc.) for components/system using copper/aluminium alloys/material, brazing/ aluminium welding and moving mechanism process carried out during the execution of above PO.<br>Bidders can submit single PO (which complies with all above requirements) or multiple PO's complying to above requirements | PO No. ----- dated -----<br><br>Invoice/Completion Certificate ref. -----<br>-- dated -----<br><br>Bidder to mention supporting documents (if any) attached in the offer/ bid |
| Bidder shall have following infrastructure & machinery in house:<br>1. Computerised Numerical Control (CNC) Lathe,<br>2. Computerised Numerical Control (CNC) Milling machine,<br>3. Tungsten Inert Gas (TIG) welding/brazing<br>4.Coordinate-measuring machine (CMM) Machine   | List of in-house infrastructure & machineries on company's letter head duly signed and stamped.  | Self-declaration on company's letter head duly signed and stamped.  |
| Bidder shall have average annual turnover minimum INR 5 Cr for last 3 financial years.  | Audited financial statement (Balance sheets & profit and loss account) for three financial years i.e. 2020-2021, 2021-22 and 2022-23.  | Audited Balance sheet for FY ----, FY----- and FY ----- along with Profit and Loss Account  |
| Only Class I Local / Class II Local suppliers as per Make in India (MII) Order are eligible to bid. (Refer clause no. 2.2.1 for more details)   | Declaration (as per Annexure-4: FORMAT FOR LOCAL CONTENT UNDER PREFERENCE TO MAKE IN INDIA ORDER) confirming percentage of local content and location at which local value addition is done to be submitted with the bid/offer   | Annexure-4  |





Title: EoI cum PQ document to pre-qualify bidders for the tender for “Manufacturing, assembly and supply of mechanical sub-assemblies 1 to 11 numbers for heating system and hardware”

Tender Notice No.

I-I/EOI/MECH-SA/PQ-02/2023-24

2.2.1 Preference to Make In India (MII): Preference shall be given to Class-I Local Supplier as defined in Public Procurement (Preference to Make In India) Order 2017, as amended from time to time and its subsequent orders/notifications issued by concerned Nodal Ministry for specific goods/products. The minimum local content to qualify as Class-I (minimum 50% currently) or Class-II Local Supplier (minimum 20% currently) is as per Government notification no. P-4501/2/2017-PP (BEII) dated 16.09.2020 issued by Ministry of Commerce & industry in this regard. **Only Class-I Local Suppliers and Class-II Local Suppliers are eligible to bid for this enquiry.** Non-Local Suppliers are not eligible to bid for this tender. Government notification no. P-4501/2/2017-PP (BEII) dated 16.09.2020 shall apply for this tender.

Class-I Local Suppliers and Class-II Local Suppliers will submit duly signed Self-certification under preference to Make in India order on their letter head as per **Annexure-4** along with the offer/bid failing which bid may not be considered for further evaluation.

2.2.2 Any bidder from a country that shares a land border with India<sup>1</sup>, excluding countries as listed on the website of the Ministry of External Affairs<sup>2</sup>, to which the Government of India has extended lines of credit or in which the Government of India is engaged in development projects (hereinafter called ‘Restricted Countries’) shall be eligible to bid in this tender only if Bidder is registered<sup>3</sup> with the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT). Bidders shall enclose the certificate in this regard as per **Annexure-5**.

2.2.3 In Bids for Turnkey contracts, including Works contracts, the successful bidder shall not be allowed to sub-contract works to any contractor from such Restricted Countries unless such contractor is similarly registered. In such cases, the bidders shall enclose the certificate as per **Annexure-5**.

2.2.4 If Bidder has proposed to sub-contract Services or incidental Goods directly/ indirectly from the vendors from such countries, such vendor shall be required to be registered with the Competent Authority. However, if Bidder procures raw material, components, and sub-assemblies from such countries' vendors, such vendors shall not require registration.

2.2.5 "Bidder from such Restricted Countries" 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

<sup>1</sup><https://mea.gov.in/india-and-neighbours.htm>

<sup>2</sup><http://meadashboard.gov.in/indicators/92>

<sup>3</sup><https://dipp.gov.in/sites/default/files/Revised-Application-Format-for-Registration-of-Bidders-15Oct2020.pdf>



Title: EoI cum PQ document to pre-qualify bidders for the tender for “Manufacturing, assembly and supply of mechanical sub-assemblies 1 to 11 numbers for heating system and hardware”

Tender Notice No.

I-I/EOI/MECH-SA/PQ-02/2023-24

- 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/ joint venture where any member falls under any of the above

2.2.6 **No exemption with respect to “Experience Criteria” will be given to a Micro or Small Enterprises (MSEs). Exemption from required turnover is allowed to MSEs as per latest definitions under MSME rules** subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.

2.2.7 Start-up recognized by Department for Promotion of Industry and Internal Trade (DPIIT), such bidder(s) exempted from years of “Experience” and the requirement of "Turnover" criteria subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Experience and Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.

### 2.3 General Information

The bidder needs to submit the General information as in **Annexure – 2**.

## 3. Award of contract

The proposed plan includes the following steps till the award of contract.


Step-I: The bidders shall be pre-qualified among those who responded to the EOI, based on evaluation carried out by ITER-India.

Step-II: The PASSWORD protected tender documents including drawings for the tender titled **“Manufacturing, assembly and supply of mechanical sub-assemblies 1 to 11 numbers for heating system and hardware”** shall be issued only to the pre-qualified bidders.

Step-III: Pre-bid meeting with the pre-qualified bidders to clarify the queries raised by them

Step-IV: The tender will follow two- bid process; (a) Technical and commercial except price (b) Price bid  
The Bidder will submit the offers in the following formats in two separate envelopes  
[i] Technical and commercial bid except price  
[ii] Price bid

Step-V: Technical bid will be opened by ITER-India

|   |  |                               |
|---|--|-------------------------------|
|  | Title: EoI cum PQ document to pre-qualify bidders for the tender for “Manufacturing, assembly and supply of mechanical sub-assemblies 1 to 11 numbers for heating system and hardware” | Tender Notice No.             |
|   |  | I-I/EOI/MECH-SA/PQ-02/2023-24 |

Step-VI: Technical bid will be evaluated to review the compliance with the technical specifications and other requirements provided by ITER-India.

Step-VII: Following the acceptance of technical bid mentioned in Step-VI, the price bid of technically qualified bidder(s) only will be opened and evaluated by ITER-India.

Step-VIII: Contract for “**Manufacturing, assembly and supply of mechanical sub-assemblies 1 to 11 numbers for heating system and hardware**” will be awarded to the technically qualified and commercially lowest Bidder.

### 3.1 Contract duration

**The Manufacturing, assembly and supply of mechanical sub-assemblies 1 to 11 numbers for heating system and hardware need to be completed within forty-five (45) months from the date of issue of LoI/ award of contract whichever is earlier.**

### 3.2 Warranty

Supplied items shall be warranted for a period of two (02) years from the date of final acceptance against all sorts of manufacturing defects, faulty material or poor workmanship.

## 4. Section-II: Technical Specifications


**It is to be noted that the specifications as specified in the section is based on the preliminary information and the finalized detailed specifications along with scope of work and supply will be provided to the pre-qualified bidders**

The scope of the forthcoming tender includes preparation of shop floor drawings, manufacturing, inspection, testing, various qualifications, packing & forwarding, supply and successful delivery of 1 to 11 sub-assemblies.

There are about 1500 number of components. The total weight of all the finished components put together is about 3800 kg and maximum size of single component Ø 320 mm x1800 mm and minimum size of single component is Ø 65/ Ø 63 mm x 6 mm. The components details shall be available in about 1200 drawings to be provided to the qualified bidders. These manufactured sub-assemblies are finally assembled to get an integrated system.

It includes different machining and manufacturing processes like wire cutting, CNC machining, honing, epoxy bonding of different metals, brazing and aluminium welding. This system also includes a number of plungers moving arrangement in coaxial structures which make the surface roughness, co-axiality and cylindricity important dimensional features. Further, the sub-assemblies also include different materials like non-ferrous metals (example: - Phosphor Bronze, ETP Copper etc.), insulators/ non-metals (Ultem 2300, Ferrite etc.) and few bought out items.


The following latest version of the codes & standards or equivalent codes & standards are applicable for the material after prior Approval from ITER-India. The Supplier shall provide the Inspection Certificate

|   |  |                               |
|---|--|-------------------------------|
|  | Title: EoI cum PQ document to pre-qualify bidders for the tender for “Manufacturing, assembly and supply of mechanical sub-assemblies 1 to 11 numbers for heating system and hardware” | Tender Notice No.             |
|   |  | I-I/EOI/MECH-SA/PQ-02/2023-24 |

type 3.1 in accordance with EN 10204:2004. Manufacturing shall follow ASME section-VIII

**Table-2**

| Material        | Grade                                    | Pipe Shape standards / codes | Plate Shape standards / codes  |
|-----------------|--|------------------------------|--|
| Aluminium Alloy | 5083                                     |                              | ASTM B209M   |
|                 | 2017 A (A-U4G)                           | ASTM 2017 A                  | ASTM 2017 A  |
|                 | 5754                                     |                              | ASTM B209M   |
|                 | 1050A                                    |                              | EN AW 1050A H14  |
| Copper Alloy    | CuSn12P (High Tin bronze)                | IS:28-1969/ EN 1982          |  |
|                 | CuZn39Pb2 (leaded Brass)                 | IS:3488-1966/ EN 12164:1998  |  |
|                 | CuZn 37 (Brass)                          | UNS No C27200                | UNS No C27200  |
|                 | OFCU (Oxygen free copper)                | UNS No C10100/ ASTM SB-42    | UNS No C10100  |
|                 | BeCu2 (Beryllium copper)                 | UNS No C17200/ ASTM B196     | ASTM 194   |
|                 | ETP Copper                               | ASTM C11000                  | ASTM C11000  |
|                 | ARCAP AP1C                               | UNS No C76350                |  |
| SS              | X2CrNi19-11                              | 304L                         |  |
|                 | X2CrNiMo17-12-2                          | 316L                         |  |
|                 | X2CrNi18-9                               | 304L                         |  |
|                 | Z2CN 18-10                               | 304L                         |  |
|                 | C60 & C75                                | ASTM A672                    |  |
|                 | INOX A4                                  | AISI 316                     |  |
| Non-Metal       | PTFE (Teflon)                            | ASTM D1710-8, 11B            | ASTM D3294-03, 11A   |
|                 | PPE(NORYL) (Polyphenylenether)           | ASTM D4349-96                |  |
|                 | Film polyimide (Kapton)                  |                              | ASTM D-5213 (type 1, item A)   |
|                 | PVC (Polyvinyl chloride)                 | ASTM D1785                   |  |
|                 | Techtron PPS HPV (Polyphenylene Sulfide) |                              | Tensile strength–ISO527-1/-2(7)<br>Electrical strength – ASTM D 149<br>Dielectric constant & dissipation factor – ASTM D 150 (10 to 100 MHz) |
|                 | Ultem 2300(Std) / PEEK                   |                              | ASTM-D-5205  |
|                 | POM-H (Delrin 100P DuPont)               |                              | Tensile strength–ASTM D638<br>Electrical strength – ASTM   |

|   |  |                               |
|---|--|-------------------------------|
|  | Title: EoI cum PQ document to pre-qualify bidders for the tender for “Manufacturing, assembly and supply of mechanical sub-assemblies 1 to 11 numbers for heating system and hardware” | Tender Notice No.             |
|   |  | I-I/EOI/MECH-SA/PQ-02/2023-24 |

|  |                                 |                |  |
|--|---------------------------------|----------------|--|
|  |                                 |                | D 149<br>Dielectric constant & dissipation factor – ASTM D 150 (up to 1 MHz) |
|  | Ecosorb MF 124                  | Ref Data Sheet |  |
|  | Silicone                        | ASTM D2000     |  |
|  | PMMA (Poly methyl methacrylate) |                | Tensile strength–ASTM D638<br>Optical refractive Index – ASTM D542           |

## 5. Bid Submission Content, Format & Instructions

### 5.1 Bid Submission Covers & Contents


#### 5.1.1 Cover-1 Contents


The following table provides the guideline for preparing and arranging the bid documents.

Notes:

1. All the documents shall be properly arranged into sections.
2. Pages shall be numbered, initialled and stamped.
3. Apart from the given specific templates, bidder may also use the tender documents to insert any comments/mark-up within the text

**Table 3: List of contents for Cover-1**

| Checked box☑ : Yes ; Un checked box☐ : No |  |  |                          |
|---|--|--|--------------------------|
| Sr. No.                                   | Content  | Detail   |                          |
| 1.  | Flash drive / DVD/CD  | ➤ Soft Copy of the bid<br>A label containing the bidder's name and EOI No shall be indicated for identification  | <input type="checkbox"/> |
| 2.  | Covering Letter & Bidder Information   | ➤ Covering Letter<br>➤ General information about the bidder as per the template provided in this document (Annexure-2)   | <input type="checkbox"/> |
| 3.  | EEC  | ➤ All documents as asked for compliance to EEC are enclosed with all supporting documents  | <input type="checkbox"/> |
| 4.  | EMD  | Proof of Payment of EMD or Valid document as per applicability for exemption from payment of EMD (In case of EMD in the form of Demand Draft (DD)/ Bank Guarantee (BG), original DD/ BG shall reach to Purchaser within 5 days from the bid submission due date) | <input type="checkbox"/> |
| 6.  | Submission of EOI Document   | ➤ Provide signed and stamped Format for submission of EOI document as per Annexure-3   | <input type="checkbox"/> |

|   |  |                               |
|---|--|-------------------------------|
|  | Title: EoI cum PQ document to pre-qualify bidders for the tender for “Manufacturing, assembly and supply of mechanical sub-assemblies 1 to 11 numbers for heating system and hardware” | Tender Notice No.             |
|   |  | I-I/EOI/MECH-SA/PQ-02/2023-24 |

|    |   |   |                          |
|----|---|---|--------------------------|
| 7. | Declarations for MII and Eligibility Declaration          | ➤ Annexure-4 and<br>➤ Annexure-5  | <input type="checkbox"/> |
| 8. | PAN, GST, MSME registration details and any other details | ➤ PAN<br>➤ GST registration<br>➤ MSME (Udyam Registration)<br>➤ Start-up registration<br>➤ Registration with DAE, DPS | <input type="checkbox"/> |
| 9. | Any other details   | To specify  | <input type="checkbox"/> |

## 6. List of Annexes

Annexure-1: Registration form for Scope Appraisal Meeting


Annexure-2: General information to be furnished by the bidders

Annexure-3: Format for the Submission of EOI Document

Annexure-4: Declaration as per Make in India Order

Annexure-5: Eligibility Declaration

Annexure-6: Format for EMD-Bank Guarantee

|   |  |                               |
|---|--|-------------------------------|
|  | Title: EoI cum PQ document to pre-qualify bidders for the tender for “Manufacturing, assembly and supply of mechanical sub-assemblies 1 to 11 numbers for heating system and hardware” | Tender Notice No.             |
|   |  | I-I/EOI/MECH-SA/PQ-02/2023-24 |

## Annexure-1

### Registration form for Scope Appraisal meeting

This form duly filled in, signed and stamped shall reach to the Sr. Officer (Purchase & Stores) at the above address latest by **04-04 2024**

#### From:

Name and address of Applicant Bidder  
Name of Contact Person  
Contact Number (Tel, E-mail)

#### To:

Sr. Officer (Purchase & Stores)  
ITER-India, Institute for Plasma Research,  
Block- A, Sangath Skyz, Bhat-Motera Road,  
Koteshwar, Ahmedabad 380 005, Gujarat, India  
Tel: + 91-79-2326 9656/9529  
Email: [purchase@iterindia.in](mailto:purchase@iterindia.in)

Subject: Registration for Scope Appraisal meeting

Dear Madam,

This is with reference to your EOI No.: I-I/EOI/MECH-SA/PQ-02/2023-24 dated 15-03-2024. We understood the requirements of the project and intend to participate in the Scope Appraisal meeting. The following members will attend the meeting:

- 1.
- 2.
- 3.

Signature

BIDDER STAMP

Name:

Position:

Address:

Tel:

Date:





Title: EoI cum PQ document to pre-qualify bidders for the tender for “Manufacturing, assembly and supply of mechanical sub-assemblies 1 to 11 numbers for heating system and hardware”

Tender Notice No.

I-I/EOI/MECH-SA/PQ-02/2023-24

## Annexure-2

### General information to be furnished by the bidders

|     |  |  |
|-----|--|--|
| 1.  | Name of the Bidder   |  |
| 2.  | Bidder's Proposal No. and Date   |  |
| 3.  | PO to be placed on (Mention Company's name and address)  |  |
| 4.  | Name and designation of the officer of the Bidder to whom all references shall be made for expeditious co-ordination.  |  |
| 5.  | Postal Address, Telephone & Fax Nos. and e-mail Address of Registered Office   |  |
| 6.  | Address, Telephone Nos., Fax Nos. and e-mail ID of Office through which the proposed work (if entrusted) will be handled with name & designation of person-in-charge |  |
| 7.  | Core Competence of business  |  |
| 8.  | Areas of other business activity, if any & place of such business  |  |
| 9.  | Any additional information which the tenderer considers relevant for evaluation of this tender   |  |
| 10. | Bank details of the Bidder   |  |
| 11. | GST Registration details of the bidder   |  |
| 12. | PAN details of the bidder  |  |
| 13. | MSME (Udyam) registration details with category (General/SC/ST/Women), if any  |  |
| 14. | Start-up registration details, if any  |  |
| 15. | Registration with NSIC or with DPS, DAE  |  |


- Legal status of the Bidder (attach copies of original document defining the legal status)  
Individual/ Proprietary firm/ firm in partnership/ limited company or Corporation/ Any other (please specify)
- Particulars of registration of the Bidder with Government/statutory bodies and international certification, such as, ISO 9001:2015, PED stamping, ASME stamping (attach copy of the documents)

| Sr. No. | Government/statutory bodies | Place of registration | Registration No. |
|---------|-----------------------------|-----------------------|------------------|
| i       |                             |                       |                  |
| ii      |                             |                       |                  |

Note: Please add rows to the table above, as required

Authorized signatory from Bidder

Bidder's stamp

|   |  |                               |
|---|--|-------------------------------|
|  | Title: EoI cum PQ document to pre-qualify bidders for the tender for “Manufacturing, assembly and supply of mechanical sub-assemblies 1 to 11 numbers for heating system and hardware” | Tender Notice No.             |
|   |  | I-I/EOI/MECH-SA/PQ-02/2023-24 |

### Annexure-3

#### Format for the Submission of EOI Document

*[On the letterhead of applicant Bidder with Name and address of applicant Bidder, name of contact person, contact number (Tel, E-mail)]*

Ref:

To:

**Senior Officer (Purchase & Stores)**  
**ITER-India, Institute for Plasma Research,**  
**Block- A, Sangath Skyz, Bhat-Motera Road,**  
**Koteshwar, Ahmedabad 380 005, Gujarat, India**  
**Tel: + 91-79-2326 9656 / 9529**  
**E-mail: purchase@iterindia.in**

**Subject:** Submission of documents applicable for the pre-qualification requirement associated with the tender titled “Manufacturing, assembly and supply of mechanical sub-assemblies 1 to 11 numbers for heating system and hardware”

**Ref:** **EOI No.: I-I/EOI/MECH-SA/PQ-02/2023-24**

Dear Sir,

1. Being duly authorized to represent and act on behalf of \_\_\_\_\_ (herein after referred to as “the Applicant Bidder”) and having reviewed and fully understood all of the pre-qualification requirements and information provided by ITER-India, the undersigned hereby applies for pre-qualification process for the tender titled “Manufacturing, assembly and supply of mechanical sub-assemblies 1 to 11 numbers for heating system and hardware”.
2. This application is made by me/us on behalf of Bidder in the capacity of Prime Contractor duly authorized to receive the tender document, if pre-qualified
3. We have submitted all the requisite information in ‘pre-qualification questionnaire’ and other certificates & proofs as applicable to Essential Eligibility Criteria, as per the formats issued by ITER-India
4. We have furnished all information and details necessary for pre-qualification and have no further pertinent information to submit
5. ITER-India and its authorized representatives are hereby authorized to conduct any inquiries or investigations to verify the statements, documents, and information submitted in connection with this pre-qualification application, e.g. towards finance, resources, experience and competence of applicant Bidder



Title: EoI cum PQ document to pre-qualify bidders for the tender for “Manufacturing, assembly and supply of mechanical sub-assemblies 1 to 11 numbers for heating system and hardware”

Tender Notice No.

I-I/EOI/MECH-SA/PQ-02/2023-24

6. We hereby confirm that we have read and understood all the stipulations given in this pre-qualification document and decision of ITER-India with regard to our pre-qualification shall be final and binding on us
7. The undersigned declare that the statements made and the information provided in the duly completed pre-qualification forms are complete, true and correct in every details

Signature

Bidder's stamp

Name:


Position:

Address:

Tel:

Date:

**List of Enclosures:**

|   |  |                               |
|---|--|-------------------------------|
|  | Title: EoI cum PQ document to pre-qualify bidders for the tender for “Manufacturing, assembly and supply of mechanical sub-assemblies 1 to 11 numbers for heating system and hardware” | Tender Notice No.             |
|   |  | I-I/EOI/MECH-SA/PQ-02/2023-24 |

#### Annexure-4

**Certificate from statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of Local Content, in line with PPP-MII order, if applicable [to be submitted on the letter head of the issuer.]**

#### **Make In India (MII) order Certificate**

In line with Government Public Procurement Order No. P-45021/2/2017-PP (BE-II) dated 04.06.2020 as amended from time to time and as applicable on the date of submission of tender/enquiry, we hereby certify that we M/s \_\_\_\_\_ are Class I local supplier/ Class II local supplier (To strike off inapplicable option) against ITER-India EoI No. I-I/EOI/MECH-SA/PQ-02/2023-24 Dated 15-03-2024.

We also understand, false declarations will be in breach of the 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.

Thanking You

\_\_\_\_\_  
**Signature with date:**

**Name:**

**Designation:**

**Official Seal**

We, M/s \_\_\_\_\_, the Statutory Auditor(s) / Cost auditor (applicable in the case of companies) of M/s \_\_\_\_\_ (to specify name of bidder) / M/s \_\_\_\_\_ a practicing cost accountant or practicing chartered accountant (applicable in respect of bidders other than companies) of M/s \_\_\_\_\_ (to specify name of bidder), have verified and certify that M/s \_\_\_\_\_ are Class I local supplier/ Class II local supplier (To strike off inapplicable option) against ITER-India EoI No. I-I/EOI/MECH-SA/PQ-02/2023-24 Dated 15-03-2024 as defined under the PPP-MII Order.

For and on behalf of,

Date:


Authorized Signatory

(With Company Seal & Signature)

Name of the Statutory/Cost Auditor or Practicing Cost/Chartered Accountant (as applicable):

Firm Reg No:

Membership No.

|   |  |                               |
|---|--|-------------------------------|
|  | Title: EoI cum PQ document to pre-qualify bidders for the tender for “Manufacturing, assembly and supply of mechanical sub-assemblies 1 to 11 numbers for heating system and hardware” | Tender Notice No.             |
|   |  | I-I/EOI/MECH-SA/PQ-02/2023-24 |

## Annexure – 5

### Eligibility Declaration (On company letter head) (Along with supporting documents, if any)

EoI No: I-I/EOI/MECH-SA/PQ-02/2023-24 Dated 15.03.2024

Title:

Bidder's Name: \_\_\_\_\_ (Address and contact details)

Bidder's Offer No. \_\_\_\_\_ Date: \_\_\_\_\_

### Restrictions on procurement from Bidders from a country or countries, or class of countries under Rule 144(xi) of the General Financial Rules 2017.

We have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries, and solemnly certify that we fulfil all requirements in this regard and are eligible to be considered. We certify that:

- (a) *we are not from such a country or, if from such a country, we are registered with the Competent Authority (copy enclosed). and;*
- (b) *we shall not subcontract any work to a contractor from such countries unless such contractor is registered with the Competent Authority.*


Penalties for false or misleading declarations:

We hereby confirm that the particulars given above are factually correct and nothing is concealed and also undertake to advise any further changes to the above details. We understood that any wrong or misleading self-declaration by us would be violation of Code of integrity and would attract penalties as mentioned in this tender document, including debarment.

\_\_\_\_\_  
(Signature with date)

\_\_\_\_\_  
(Name and designation) Duly authorized to sign Bid for and on behalf of

\_\_\_\_\_  
(Name & address of the Bidder and Seal of Company)

|   |  |  |
|---|--|--|
|  | Title: EoI cum PQ document to pre-qualify bidders for the tender for “Manufacturing, assembly and supply of mechanical sub-assemblies 1 to 11 numbers for heating system and hardware” | Tender Notice No.<br>I-I/EOI/MECH-SA/PQ-02/2023-24 |
|---|--|--|

## Annexure – 6

### EMD BANK GUARANTEE (ON NON-JUDICIAL STAMP PAPER OF APPROPRIATE VALUE)

BG NUMBER:

Issue date:

Beneficiary:

ITER-INDIA, INSTITUTE FOR PLASMA RESEARCH,  
BLOCK A, SANGATH SKYZ,  
BHAT-MOTERA ROAD, KOTESHWAR,  
AHMEDABAD, INDIA  
(HEREINAFTER CALLED AS THE BENEFICIARY/PURCHASER)

DATE:

BANK GUARANTEE NUMBER:

BANK GUARANTEE AMOUNT:

TENDER NUMBER AND TITLE:

APPLICANT/BIDDER:

BIDDER’S NAME WITH COMPLETE ADDRESS TO BE SPECIFIED  
(HEREINAFTER CALLED THE APPLICANT/BIDDER)

GUARANTOR:

(INSERT BANK NAME AND BRANCH ADDRESS)


Whereas Applicant / Bidder is willing to submit its bid against the above referred tender by the Beneficiary / Purchaser for “Manufacturing, assembly and supply of mechanical sub-assemblies 1 to 11 numbers for heating system and hardware” as per the tender conditions, Applicant / Bidder is required to submit a Bank Guarantee as EMD.

At the request of the Applicant, we as Guarantor, hereby irrevocably undertake to pay, without any delay or demur on the part of the bank, within 48 hours, on demand in writing from the Beneficiary or any officer authorized by it in this behalf and without recourse to the Applicant and without any demure or protest or obligation to the Beneficiary any sum or sums not exceeding in total an amount of INR -----  
--(Rupees ----- only)

1. If the Bidder withdraws or amends, impairs or derogates from the bid in any respect within the period of validity of this bid.
2. If the Bidder having been notified of the acceptance of his bid by the Purchaser during the period of its validity. If the Bidder fails to furnish the Security Deposit as per the tender/contract. Fails or refuses to execute the contract.

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

This guarantee will remain in force up to 6 months from the bid submission date and any demand in respect thereof should reach the Bank not later than the above date (i.e. expiry date).

|   |  |                               |
|---|--|-------------------------------|
|  | Title: EoI cum PQ document to pre-qualify bidders for the tender for “Manufacturing, assembly and supply of mechanical sub-assemblies 1 to 11 numbers for heating system and hardware” | Tender Notice No.             |
|   |  | I-I/EOI/MECH-SA/PQ-02/2023-24 |

The liability of the Guarantor under this Guarantee shall not exceed for INR ----- (Rupees -----) (the “Guaranteed Amounts”).

This Guarantee shall be valid up to ----- (the “Expiry Date”).

Notwithstanding anything to the contrary contained herein, no obligation of the Guarantor to pay any amount under this Guarantee shall arise prior to the fulfilment of the following conditions precedent: Written claim / demand(s) in terms of this Guarantee of an aggregate amount less than or equal to the Guaranteed Amounts is/are made by the Beneficiary hereunder; and such written claim/demand(s) is/are delivered to the Guarantor on or before the Expiry date..... the (Name of Bank) branch located at ..... (branch address). This guarantee shall lapse on the cited date without the need to proceed with any formality judicial or extra judicial.

Payment of the guaranteed amount, or any part thereof, will only be made following presentation by the beneficiary to the bank at the bank’s (address of branch) branch of a complying demand and this original guarantee for endorsement in the case of a part payment or surrender in the case of final payment of the guaranteed amount.

This guarantee is subject to the uniform rules for demand guarantees (URDG) 2010 revision, ICC publication No 758.

Notwithstanding anything contained hereinabove:

- I. Our liability under the bank guarantee shall not exceed Rs.
- II. The bank guarantee shall be valid upto \_\_\_\_\_
- III. The beneficiary’s right as well the Bank’s liability under this guarantee shall stand extinguished unless a written claim or demand is made under this Guarantee on or before\_\_\_ (being the date of expiry of claim period which in no case should be less than 1 year from the date of expiry of validity period of BG as per clause (II) above.)

In Witness Whereof the Bank has executed this Bank Guarantee on the ..... day of ....., 20xx through its duly authorized representative.

For (Bank Name).....  
Signature.....  
Name of the Officer .....  
Designation of the officer .....  
Code No. ....  
Name of the Bank and Branch .....  
Seal .....