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Notice Inviting Tender (NIT)

निविदा सूचना TENDER NOTICE NO: IPR/TN/PUR/ET/21-22/046 दिनांकित DATED 16-02-2022

Head-Purchase and Stores Department, Institute for Plasma Research, for and on behalf of Director, Institute for Plasma Research (IPR) invites online tenders in **SINGLE PART** for execution of contract in accordance with the purchaser's tender specifications. The invitation to tender, tendering conditions, general conditions of contract, special conditions of contract and additional conditions of contract, if any, which will govern the contract pursuant to tender are attached.

Bidders interested to submit bid are requested to go through the contents of this document and ensure that the bid is submitted online on or before the due date and time indicated in NIT and as per technical specifications and terms and condition indicated herein and upload digitally signed or ink signed undertaking of Form No. e_IPR-PUR-102A appended herewith.

Offline bids including hard copy in any form will not be accepted.

Head-Purchase Section For and on behalf of Director, IPR (The Purchaser)

Encl: as above.







An Aided R&D Institute of the Department of Atomic Energy, Government of India Tel: 079-2396 2000 Fax: 079-2396 2277 Web: www.ipr.res.in

निविदा सूचना TENDER NOTICE NO: IPR/TN/PUR/ET/21-22/046 दिनांकित DATED 16-02-2022

निम्नलिखित निविदा के लिए प्रतिष्ठित और योग्य पार्टियों से ई-निविदा विधि के माध्यम से सिंगल पार्ट में ऑनलाइन निविदा आमंत्रित की जाती है।

Online tender is invited in **SINGLE PART** through e-tendering mode from reputed and eligible parties for the following.

Work/Item Description	Design, Manufacture, Testing and Supply of Spring energized metallic seals at Institute for Plasma Research, Gandhinagar as per the detailed specifications mentioned in the tender documents
Tender Fee	Not Applicable
Earnest Money Deposit (EMD)	Rs.2,04,000/- (Rupees Two Lakhs Four Thousand Only) Earnest Money Deposit (EMD) must be in the form of Demand Draft drawn in favour of "Institute for Plasma Research" payable at Gandhinagar and a copy thereof must be uploaded along with quotation. Demand Draft shall be sent to "Head-Purchase Section, Institute for Plasma Research, Bhat, Near Indira Bridge, Gandhinagar-382428 in a sealed envelope super scribing boldly Tender Number and Due date, so as to reach before the due date and time. Offers opened without receipt of EMD before due date and time will be rejected. EMD will be forfeited if the bidder withdraws or amends, impairs or derogates from tender in any respect within the period of validity of the tender. Exemption from Payment of EMD: As per Tender Document
Publishing Date	16-02-2022 at 18:00 Hrs.
Document Download / Sale Start Date	16-02-2022 at 18:00 Hrs.
Seek Clarification Start Date	16-02-2022 at 18:00 Hrs.
Seek Clarification End Date	24-02-2022 by 17:00 Hrs.
Response to Clarification by IPR	04-03-2022 by 17.00 Hrs
Bid Submission Start Date	05-03-2022 at 10.00 Hrs
Bid Submission Closing Date	29-03-2022 at 13.00 Hrs
Time and Date of online Opening of Tender	30-03-2022 at 14.00 Hrs

It may please be noted that any clarifications required in this tender either technical or otherwise shall be carried out before submission of bids.

Detailed tender notice along with Eligibility criteria and Tender Document is available on website https://eprocure.gov.in/eprocure/app for free view and downloading. For participating in the etendering process, it is mandatory to get registered on the above e-tender portal and required to have Digital Signature Certificate (Class -III). For new registration/ tendering, bidders may go through the "Instructions for Online Bid Submission" provided as under.

A copy of this NIT is also available on the Institute's website <u>www.ipr.res.in</u>. For further information, please contact: 079 23962020/2021, Fax: 079 23962277.

Instructions for Online Bid Submission

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 submittingtheir bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at: https://eprocure.gov.in/eprocure/app.

REGISTRATION

- 1) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: https://eprocure.gov.in/eprocure/app) by clicking on the link "Online bidder Enrollment" on the CPP Portal which is free of charge.
- 2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- 4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra etc.), with their profile.
- 5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.
- 6) Bidder then logs in to the site through the secured log-in by entering their user ID /password and the password of the DSC / e-Token.

SEARCHING FOR TENDER DOCUMENTS

- 1) There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.
- 2) Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS / e- mail in case there is any corrigendum issued to the tender document.
- 3) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS

- 1) Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- 2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- 3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
- 4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" 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.

<u>Note:</u> My Documents space is only a repository given to the Bidders to ease the uploading process.

If Bidder has uploaded his Documents in My Documents space, this does not automatically ensure these Documents being part of Technical Bid.

SUBMISSION OF BIDS

- 1) 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.
- 2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- 3) Bidder has to select the payment option as "offline" to pay the tender fee / EMD as applicable and enter details of the instrument.
- 4) Bidder should prepare the EMD as per the instructions specified in the tender document. The original should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission or as specified in the tender documents. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.
- 5) Bidders are requested 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 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 coloured (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.

- 6) 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.
- 7) 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.
- 7) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 8) 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.
- 9) The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

ASSISTANCE TO BIDDERS

- 1) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
- 2) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk.

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प्लाज्मा अनुसंधान संस्थान INSTITUTE FOR PLASMA RESEARCH (भारत सरकार के परमाणु ऊर्जा विभाग का सहायता प्राप्त संस्थान) (An Aided Institute of Dept. of Atomic Energy, Govt. of India) इंदीरा ब्रिज के पास, भाट, गांधीनगर – 382428, NEAR INDIRA BRIDGE, BHAT, GANDHINAGAR-382428

INVITATION TO TENDER

Head-Purchase and Stores Department, Institute for Plasma Research, for and on behalf of Director, Institute for Plasma Research (IPR) invites online tenders in **SINGLE PART** for execution of contract in accordance with the purchaser's tender specifications. The invitation to tender, tendering conditions, general conditions of contract, special conditions of contract and additional conditions of contract, if any, which will govern the contract pursuant to tender are attached.

Bidders interested to submit bid are requested to go through the contents of this document and ensure that the bid is submitted online on or before the due date and time indicated in NIT and as per technical specifications and terms and condition indicated herein and upload digitally signed or ink signed undertaking of Form No. e_IPR-PUR-102A appended herewith.

Offline bids including hard copy in any form will not be accepted.

Head-Purchase Section For and on behalf of Director, IPR (The Purchaser)

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DEFINITIONS AND INTERPRETATION

In the invitation to tender, tendering condition, contract, general conditions of contract and special conditions of contract, unless the context otherwise require the following interpretation shall be valid.

- 1.1 "BID" shall mean the quotation in response to the NIT submitted with EMD, if applicable and within the period mentioned in the NIT.
- 1.2 "BIDDER" means an individual, a firm, a limited liability partnership, a company whether incorporated or not, an association of person or joint venture who has submitted a bid to execute the contract and shall be deemed to include his successors, heirs, executors, administrators and permitted assignees, as the case may be.
- 1.3 "CONSIGNEE" shall mean the authorised representative or officer of the purchaser at the site to whom the stores are required to be delivered in the manner indicated in the contract.
- 1.4 "CONTRACTOR" means a successful bidder with whom a contract agreement has been entered to by the purchaser and shall be deemed to include his successors, heirs, executors, administrators and permitted assignees, as the case maybe.
- 1.5 "CONTRACT" or "PURCHASE ORDER" means and comprises of a letter or e- mail or ink signed or digitally signed document issued/sent by the purchaser conveying acceptance of bidder's/contractor's bid submitted in response to the invitation to tender, tendering conditions, general and special conditions of contract specified in the NIT within the validity of the bid and any subsequent amendments/alterations thereto made on the basis of mutual agreement.
- 1.6 "DELIVERY DATE" means date of completion of contract excluding warranty period and its obligations as stipulated in the contract.
- 1.7 "DIRECTOR, INSTITUTE FOR PLASMA RESEARCH" means the Director, Institute for Plasma Research, for the time being in the administrative charge of the Purchase and Stores Department, IPR and includes Head-Purchase & Stores Department, Head-Purchase Section, Purchase Officer-II, Purchase Officer-I, Dy. Officer (Purchase) or Assistant Purchase Officer of the said Institute for Plasma Research or any other officer authorized in writing to execute the contract on behalf of the purchaser.
- 1.8 "EARNEST MONEY DEPOSIT (EMD)" means the deposit made in the form and manner specified in the NIT by the participating bidder towards bid security.
- 1.9 "HINDRANCE" means an event resulting in stoppage or delay of work because of the purchaser as recorded by the contractor and authenticated by the purchaser.
- 1.10 "INSPECTOR" or "QUALITY SURVEYOR" means any engineer/officer nominated and deputed by the purchaser or their appointed consultants or quality surveillance agency or any other person authorized by the purchaser from time to time to act as his representative for the purpose of inspection of stores under the contract.
- 1.11 "Notice Inviting Tender (NIT)" means invitation to tender, tendering condition, general conditions of contract, special conditions of contract, additional conditions of contract, if any, and any other document mentioned thereto.

- 1.12 "PARTIES" mean the parties to the contract, i.e., the contractor and the purchaser named in the contract.
- 1.13 "PERFORMANCE SECURITY DEPOSIT BANK GUARANTEE (PSDBG)" means the deposit made in the form and manner specified in this document by the contractor towards satisfactory performance of the contract till completion of the warranty period.
- 1.14 "PURCHASER" means Director, Institute for Plasma Research forthe time being the Head- Purchase and Stores Department or any other authorized officer and includes his successor or assignees.
- 1.15 "STORES" or "PLANT" means the materials, goods, machinery, plants, equipment or parts thereof specified in the contract which the contractor has agreed under the contract.
- 1.16 "SUB-CONTRACTOR" means any contractor engaged by the contractor with the prior approval of the purchaser in relation to the contract.

SECTION – A Invitation to Tender and Tendering Conditions

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1. INVITATION TO TENDER

1.1 Head-Purchase and Stores Department, Institute for Plasma Research, for and on behalf of Director, Institute for Plasma Research (IPR), invites bids for execution of contract in accordance with the purchaser's technical specifications. The conditions of contract which will govern the contract pursuant to this tender are available in the NIT. Bidders who are in a position to submit their bid for the same as per the conditions stipulated in the NIT are requested to submit their bid in a manner and method specified in the NIT.

2. **EMD**

- 2.1 EMD where called for will have to be submitted by the participating bidder in the form and manner specified in the NIT so as to reach the purchaser at the address mentioned in the NIT on or before the due date and time mentioned in the NIT.
- 2.2 Non receipt of EMD as per Clause no. 2.1 above, will result in rejection of bid without any reference to the bidder, except in cases given under Clause no. 2.3 below.
- 2.3 The following categories of bidders are exempted from submission of EMD:
- 2.3.1 Bidders having valid registration with Directorate of Purchase and Stores, Department of Atomic Energy;
- 2.3.2 Micro and Small Enterprises having valid registration with MSME or NSIC or Udyog Aadhaar/ Udyam Aadhar in respect of procurement of goods and services, produced and provided by MSE and startups recognized by Department of Industrial Policy & Promotion (DIPP) are eligible for exemption according to government policies.
- 2.3.3 Foreign Bidder directly submitting bid (not through their Indian Agent or Indian Counterpart or Indian subsidy) in the currency other than INR.

2.4 Forfeiture of EMD

- 2.4.1 EMD shall be forfeited if the bidder withdraws or amends impairs or derogates from the tender in any respect within the validity of his bid.
- 2.4.2 If the successful bidder fails to furnish the required Security Deposit, the EMD furnished shall be forfeited.

2.5 REFUND OF EMD

- 2.5.1 EMD of unsuccessful bidders will be returned within thirty days after finalisation of the tender or after expiry of validity of their bid, whichever is later.
- 2.5.2 EMD of successful bidders will be returned within thirty days of submission of security deposit as called for in the contract.

3 MANNER AND METHOD FOR SUBMISSION OF BIDS

- 3.1 All bids in response to this invitation shall be submitted online in English as under:
- 3.2 The bid shall include/contain all technical details, technical specifications, drawings, literature, reference to earlier supplies of similar equipment along with quantity, time required for submission and approval of drawings, manufacturing and delivery period, inspection/testing procedure, itemized list of spares and quantity recommended by the bidder for purchase, term of price, mode and payment terms, mode of despatch, including all price details thereof.
- 3.3 The price bid shall be submitted strictly online in accordance with the format provided by the Purchaser.

- 3.4 The bidder shall indicate lump sum cost of essential accessories and spares in the price bid format, wherever applicable, to make their bid complete in all respect as per purchaser's technical specifications, in the tender. The price break-up of main equipment, list of accessories and spares with quantity and unit price, if any, should be uploaded as a separate document if required as per tender document.
- 3.5 Tender should be submitted online on or before the time and date specified for its submission.

4 PRICE

4.1 The prices quoted must be FIRM during the currency of the contract.

5 PAYMENT TERMS

5.1 Standard payment terms for supplies made against this invitation of tender will be as indicated in form number IPR-P-100.

6 CONDITIONAL DISCOUNT

6.1 In case the bidder offers any conditional discount with regard to acceptance of the bid within a specific period or specific payment terms, delivery date, quantity, etc., the purchaser will not take into consideration such conditional discount while evaluating the bid.

7 VALIDITY OF BIDS

7.1 Bids shall be kept valid for acceptance for a period as mentioned in the NIT. Bids with shorter validity period shall be rejected without any notice to the bidder.

8 ONE BID PER BIDDER

- 8.1 Each bidder shall submit only one bid for a tender. All bids of the bidder who submits more than one bid for the same tender; will be rejected without any notice to the bidder.
- 8.2 If a bidder submits bid on behalf of two principals or if the bidder and his sister concern participates in the same tender or such instances where participation of any bidder leads to conflict of interest, the bid will be rejected without any notice to the bidder.

9 **QUALIFYING REQUIREMENTS**

9.1 The bidder is required to upload all supporting documents/information on the e- tender portal necessary for establishing their qualification as mentioned in the NIT.

10 OPENING OF BID

- 10.1 Unless otherwise preponed or postponed, tender will be opened online on the date and time indicated in the NIT.
- 10.2 All the bidders who have submitted valid bids within the due date and time specified for its submission can view the list of bidders and price bid of bidders who have participated in the tender online after opening of the bid.

11 DECLARATION OF HOLIDAY

11.1 If the date(s) specified for opening of the bid is/are declared as holidays due to any administrative reasons, then the due date(s) for receipt/opening of bid will get postponed to the next working day.

12 EVALUATION OF BIDS

12.1 TECHNICAL CLARIFICATIONS

After opening of the bid, if it becomes necessary for the technical authorities/user department of the purchaser to seek clarifications from the bidder, the same will be sought for from the bidder by the Purchase Section. In such an event, the bidder shall furnish all techno-commercial information/clarification to the Purchase Section to reach them on or before the due date and time fixed by the Purchaser. If the techno-commercial clarifications/details sought for by the Purchase Section from the bidder do not reach them on or before the due date and time fixed for its receipt, such bid will be liable for rejection at the discretion of the purchaser without any further notice. The bidder shall not, however, furnish a new bid at this stage. A new bid at this stage will be rejected by the purchaser.

Evaluation of bids shall be based on technical specification attached with tender and on the basis of total landed cost considering taxes/duties as applicable without any concession/exemption.

12.3 DETERMINATION OF TOTAL LANDED COST FOR COMPARISON (AIR/SEA SHIPMENTS)

- 12.3.1 The following will be the loading for air/sea freight
- 12.3.1.1 FCA/FOB price + air/sea freight @10% of FCA/FOB price = CFR price
- 12.3.1.2 CFR price + insurance @ 1% of CFR price= CIF price
- 12.3.1.3 CIF price + taxes & duties as applicable=DDP
- 12.3.1.4 [DDP + clearing charges @ 1% of CIF price + inland freight @ 1% of CIF price] x exchange rate = total landed cost in INR

Exchange rate means Purchase price of the quoted currency as intimated by State Bank of India and as applicable on the date of opening of bid.

12.4 CAPACITY AND FINANCIAL CAPABILITY

12.4.1 In case it is found that the bidder does not possess the requisite infrastructure, capacity, capability and their financial capability satisfactory or not meeting the qualification criteria indicated in the NIT or not complied with warranty obligations; such bids are liable to be rejected by the purchaser during evaluation of bid.

12.5 PAST PERFORMANCE

12.5.1 In case the past performance of the bidder is not found to be satisfactory with regard to quality, delivery date, warranty obligation and compliance of terms and conditions of the contract, their bid is liable to be rejected by the purchaser during evaluation of bid.

12.6 POST SUPPLY INSPECTION

12.6.1 The bidder should clearly mention requirement of post supply inspection in the bid. The purchaser reserves the right to deny access to the contractor or its representative or any third party to the Stores supplied by the contractor after its supply. Bids which are not complying with this post supply inspection requirement are liable to be rejected by the purchaser during evaluation of bid.

13 QUANTITY

Quantities mentioned in the NIT are approximate. One or more of the items of the stores tendered or a portion of any one or more of the items of such stores may be accepted by the purchaser. A bidder shall be bound to supply to the purchaser such an item or items or such portion or portions of one or more of the items as may be accepted by the purchaser.

14 INSTALLATION/ERECTION AND COMMISSIONING

- 14.1 Wherever, the purchaser's NIT includes installation and commissioning or supervision of installation and commissioning or erection and commissioning of the stores by the bidder, the bidder must clearly and separately quote the prices for the supply of the Stores and the charges for installation and commissioning or its supervision or erection and commissioning, as the case maybe.
- The bidder should not include charges towards installation and commissioning or its supervision or erection and commissioning in the price of the stores offered. In case of failure to quote separately, purchaser will deduct taxes as applicable on full contract value.
- In respect of contracts involving installation and commissioning or its supervision or erection and commissioning by the contractor where identifiable charges for the same have been quoted, the contractor shall bear the tax liability as per the rates prevailing at the time of undertaking the job in accordance with the relevant Act/Laws in force in India.
- 14.4 When the scope of the contract includes installation and commissioning, it shall be the sole responsibility of the contractor to undertake the installation and commissioning as and when called for, by the purchaser.

15 TEST CERTIFICATE

Wherever the tests and test certificates are required by the purchaser, test shall be conducted and test certificate shall be furnished by the contractor as per the requirement of technical specification.

16 OPERATION/INSTRUCTION MANUAL:

In respect of stores where instruction/operation manual is essential to enable the purchaser to put the stores into proper use, the contractor shall furnish such instruction/operation manual in English language along with the stores free of cost.

17 LEAFLET/CATALOGUE:

17.1 Bidder shall upload all necessary catalogues/drawings technical literature data sheet as are considered essential for full and correct evaluation of their technical bid. The bids are liable to be ignored if this condition is not complied with.

18 ACCEPTANCE OF BID

- 18.1 The purchaser shall be under no obligation to accept the lowest or any other bid and shall be entitled to accept or reject any bid in part or full without assigning any reasons whatsoever.
- The purchaser also reserves the right to reject the bid, which is not in conformity with the conditions contained in this document or the instructions to bidders attached in NIT, if any including non-acceptance of submission of securities as called for in the NIT.

Clauses 20.0 to 24.0 are applicable only for bids quoted in INDIAN RUPEES.

19 STATUTORY LEVIES SUCH AS GOODS AND SERVICE TAX

19.1 Statutory levies at rate applicable for the purchaser within original delivery date will be admitted by the purchaser.

19.2 GOODS AND SERVICE TAX

- 19.2.1 The purchaser is entitled for GST at the concessional rate as per notifications issued by the Government, as amended from time to time, in respect of purchases made for certain stores.
- 19.3 Decision to avail concession/exemption, in each case will be at the sole discretion of the purchaser. Wherever concession/exemption is mentioned in the contract, purchaser will provide the relevant certificate to the contractor. It would be the responsibility of the contractor to obtain the same from the purchaser before effecting the delivery of stores failing which the excess tax paid by the contractor shall not be reimbursed by the purchaser.

20 CUSTOMS DUTY

- 20.1 In case an Indian bidder submits a bid for supply of out rightly imported stores in Indian Rupees, they should quote price for free and safe delivery of stores at destination. The name of their foreign contractor and country of origin shall also be indicated. However, purchaser will neither provide any certificate for availing concession/exemption from payment of customs duty nor will reimburse the same.
- 20.2 Bids on High Sea sales basis will not be considered.

21 FLUCTUATION IN THE STATUTORY LEVIES

21.1 Unless otherwise specifically agreed to in terms of the contract, the purchaser shall not be liable for any claim on account of fresh imposition and /or increase in statutory levies on raw materials and/or components used directly in the manufacture of the contracted stores, taking place during the pendency of the contract. However, any reduction in statutory levies on these raw materials and/or components must be passed on to purchaser.

22 AUTHENTICATION

- 22.1 The person digitally signing and uploading the bid or any other document in respect of the tender on behalf of the bidder shall be deemed to warrant that he has the authority to do so and the action will be binding on the bidder. The bidder shall indemnify the purchaser from any consequences arising thereof.
- Overseas bidder should also refer Clause No. 46.1 of this Section for details on obtaining digital signature certificate valid in India.
- 22.3 If, on enquiry or later on, it appears that the persons so signing had no authority to do so, the purchaser may, without prejudice to other civil and criminal remedies, cancel the contract and hold the bidder and signatory liable jointly and severally for all costs and damages.

23 DELIVERY FOR CONTRACT IN INDIAN CURRENCY

- 23.1 Bidder should note that the bid is liable for rejection by the purchaser unless the bidder offers to complete the contract within the delivery date specified by the purchaser. The prices quoted by the bidder should include all charges involved for direct and safe delivery of the stores to the place of delivery indicated by the purchaser. Purchaser will neither undertake responsibility for transit insurance nor pay for it separately. No other delivery term than stated in the NIT will be accepted by the purchaser.
- 23.2 The stores shall neither be despatched under 'purchaser's risk' nor consigned to 'self', but only to the consignee indicated in the contract. Non-adherence to this condition shall make the contractor liable to bear all consequential penalties/expenses such as demurrage, wharfage, etc. which the purchaser may incur.
- 23.3 The consignee will, as soon as possible, but not later than thirty days from the date of arrival of stores at destination notify the contractor of any loss or damage to the stores that may have occurred during transit to enable the contractor to repair/rectify the defects/damages or replace the stores as is appropriate, free of all charges. In case it is desired by the contractor for returning of the stores to them, all expenses towards transportation, etc. will be borne by the contractor and the contractor will also furnish bank guarantee as per format in Annexure for the payment already made by the purchaser to the contractor on this account, if any.

24 DOCUMENTS TO BE UPLOADED BY INDIAN BIDDER

24.1Indian bidders are required to upload a copy of the PAN card/letter and copy of the factory registration/licence or shop establishment certificate/GSTIN etc. as applicable with the bid.

25 PURCHASE/PRICE PREFERENCE

25.1 Purchase/price preference to industries will be given as per the policy of the Government of India in force at the time of opening of bids provided their bid is in compliance with the conditions of the policy.

25.2 PURCHASE PREFERENCE FOR MICRO & SMALL ENTERPRISES (MSE's):

25.2.1 Benefits, as prescribed by the MSME Policy of the Government of India shall be provided to MSE vendors registered as manufacturers for the goods procured or for the service providers for services to this Department. The procuring Entity reserves its option to give price preference to Micro and Small Industries in comparison to the large-scale industries as per policies of the Government from time to time.

25.3 MAKE IN INDIA:

- 25.3.1 As defined under the Public Procurement (Preference to Make in India), order 2017, Revised order dated: 16/09/2020 or as being revised from time to time, in procurement of goods or services in respect of which the Nodal Ministry/Department has communicated, that there is sufficient local capacity and local competition, only "Class-I local supplier", as defined under the said order, shall be eligible to bid irrespective of purchase value.
- 25.3.2 Only "Class-I local supplier" and "Class-II local supplier', as defined under the above said order, shall be eligible to bid in procurements under taken by this Directorate, except where the mode of procurement is by issue of Global Tender Enquiry. The bidding supplier shall indicate the percentage of local content for the item being offered in their bid.
- 25.3.3 Where the procurement is by issue of Global Tender enquiry, Non local suppliers, shall also be eligible to bid along with "Class-I local suppliers and Class-II local suppliers". Suppliers/bidders offering imported products will fall under the category of Non-local suppliers.
- 25.3.4 Subject to the provisions of the above said order, and to any specific instructions issued by the Nodal Ministry or in pursuance of the said order, purchase preference shall be given to "Class-I local Suppliers" in procurements under taken by this

- Directorate, in the manner specified there in the order.
- 25.3.5 The bidders along with their bid/tender shall be required to provide a self-declaration certificate of the local content (where the procurement value is Rs.10 crore or less) for the item offered and their status as Class-I/Class-II/Non-Local supplier and their eligibility to participate in the tender as per Annexure-XI failing which bid will be rejected. In cases of procurement for a value in excess of Rs.10 crores, the "Class-I local supplier'/'Class-II local supplier' shall be required to provide a certificate from the 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 Contractors other than companies) giving the percentage of local content.
- 25.3.6 Self-declaration certificate should quantify the percentage of local content of the offered product only. It should also indicate the location. However, claiming the services such as transportation, insurance, installation & commissioning, training and after sale service support like AMC/CMC etc., shall not be considered as local content as per OM N.P- 45021/102/2019-BE-II-Part(1)(E-50310) dated: 04/03/2021 issued by Ministry of Commerce and Industry, DPIIT.
- 25.3.7 False declarations/violation of this order terms shall be deemed to be breach of code of integrity resulting in debarment of the firm for a period up to 2 years. Under such circumstances, the supplier shall not be considered for any preferences as proposed in the order.
- 25.3.8 Wherever the bids are received without accompanying the above said requisite certificate such offers shall be treated as incomplete and not considered.
- 25.3.9 Bidders/contractor are divided into three categories based on Local Content (The total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value, in percent):
- 25.3.9.1 Class-I local supplier is with local content equal to or more than as prescribed by the Nodal Ministry/ NIT, if prescribed, for the item being procured or 50% whichever is higher.
- 25.3.9.2 Class-II Local supplier is with local content more than as prescribed by the Nodal Ministry/NIT, if prescribed, for the item being procured or 20% whichever is higher, but less than that applicable for class-I local supplier.
- 25.3.9.3 Non-local supplier is with local content less than that applicable to class-II local supplier, as stated above.

Note: Where the estimated value of the procurement is less than Rs.5 Lakhs (or as being amended by the competent authority from time to time) is exempted from the provisions of the above Make in India policy as stated therein the order.

25.4 **GLOBAL TENDER:**

The currency of the price quoted in the bid can be in foreign currencies, in addition to the Indian rupees, except for expenditure incurred in India (Including incidental services rendered in India and agency commission, if any) which should be stated in Indian Rupees.

25.5 ELIGIBILITY OF BIDDERS FROM SPECIFIED COUNTRIES:

- 25.5.1 Orders issued by the Government of India restricting procurement from bidders of certain countries which shares a land border with India shall apply to this procurement.
- 25.5.2 Any bidder from a country which shares a land border with India (https://mea.gov.in/india- and-neighnours.htm), excluding countries as listed in the website of Ministry of External Affairs (https://meadashbaord.gov.in/indicators/92), 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 the bidder is registered (https://dipp.gov.in/sites/default/files/Revised-Application-Format-for-Registration-of-Bidders-15Oct2020.pdf) with the Registration committee constituted by the Department for promotion of Industry and Internal Trade(DPIIT). The bidders shall enclose valid registration certificate along with their offer. Wherever the bids are received without accompanying the above said requisite certificate such offers shall be treated as incomplete and not considered.

Furthermore, every bidder participating against this Department tender shall invariably enclose along with the Bid, a self-declared undertaking "Annexure to Bid Form: Eligibility Declarations" (Annexure-XII), failing which Bid will be rejected.

FREE ISSUE MATERIAL: (This clause shall apply only to contract for supply of fabricated stores with purchaser's Free Issue Materials (FIM))

- 26.1 Wherever the contract envisage supply of FIM by the purchaser to the Indian contractor for fabrication of the stores, such FIM shall be safeguarded by a Bank Guarantee as per format in Annexure or insurance policy to be provided by the Indian contractor at his own cost for the full value of FIM and the insurance policy or Bank Guarantee shall cover, the following risks specifically and shall be valid for six months beyond the delivery date.
- 26.2 **RISKS TO BE COVERED:** Any loss or damage to the FIM due to fire, theft, riot, burglary, strike, civil commotion, terrorist act, natural calamities, etc. and any loss or damage arising out of any other causes such as other objects falling on FIM while in his possession including transit period.

Insured by:	(Name of the contractor)
Beneficiary:	Head- Purchase and Stores Department, Institute for Plasma Research, (On behalf of Director, Institute for Plasma Research), Near Indira Bridge, Bhat Gandhinagar-382428
Amount for which insurance Policy/Bank Guarantee has to be furnished	The amount will be indicated in the respective contract.

26.3 Notwithstanding the insurance cover taken out by the Indian contractor as above, the contractor shall indemnify the purchaser and keep the purchaser indemnified to the extent of the value of FIM to be issued till such time the entire contract is executed and proper account for the FIM is rendered and the left over/surplus and scrap items are returned to the purchaser. The contractor shall not utilize the FIM for any job other than the one contracted out in this case and also not indulge in any act, commission or

omission or negligence which may cause/result in any loss/damage to the purchaser and in which case, the contractor shall be liable to pay full compensation to the purchaser to the extent of damage/loss as assessed by the purchaser. The decision of the purchaser will be final and accepted by the contractor. The contractor shall be responsible for the safety of the FIM after these are received by him and all through the period during which the materials remain in his possession/control/custody. The FIM on receipt at the contractor's works shall be inspected by him for ensuring safe and correct receipt of FIM. The contractor shall report the discrepancies, if any, to the purchaser immediately but not later than five working days from the date of receipt of FIM. The contractor shall take all necessary precautions against any loss, deterioration, damage or destruction of the FIM from whatever cause arising whilst the said FIM remain in his possession/custody or control. The FIM shall be inspected periodically at regular intervals by the contractor for ensuring safe preservation and storage and maintain inspection report. The contractor shall also not mix up the FIM in question with any other goods and shall render true and proper account of the FIM actually used and return balance/remaining/unused FIM on hand and scrap within the delivery date. If it is not possible to return balance remaining unused FIM on hand and scrap within the delivery date, the contractor hereby authorizes the purchaser to deduct the difference between the cost of FIM supplied and the cost of FIM actually used from the amount payable to the contractor. The contractor shall also indemnify the purchaser to compensate the difference in cost between the actual replacement cost of FIM lost/damaged and the claim settled in favour of the purchaser by the insurance company. The decision of the purchaser, as to whether the contractor has caused any loss, destruction, damage or deterioration of FIM while in his possession, custody or control from whatever cause arising and also on the quantum of damage suffered by the purchaser, shall be final and binding upon the contractor.

- Wherever the contract envisage supply of FIM by the purchaser to the foreign contractor for fabrication of the stores, such FIM shall be safeguarded by a Bank Guarantee to be provided by the contractor at his own cost for the full value of FIM and the Bank Guarantee shall cover, the risks mentioned in Clause 26.2 and 26.3 above and shall be valid for six months beyond the delivery date.
- 26.5 FIM will be issued to the contractor only after receipt of the insurance policy/Bank Guarantee from the contractor. The contractor shall arrange collection of the FIM from the purchaser's premises and safe transportation of the same to his premises at his risk and cost.

27 BIDS FROM INDIAN AGENTS ON BEHALF OF FOREIGN CONTRACTOR

- 27.1 Indian agents are allowed to quote on behalf of only one foreign contractor against this tender.
- In case the bid is submitted by an Indian bidder or Indian agent on behalf of their foreign contractor, following documents is required to be uploaded with the bid, failing which, bid is liable to be rejected without further notice to the bidder.
- 27.2.1 Copy of the agency agreement between the principal and the Indian agent showing the percentage or the quantum of agency commission payable and included in the price quoted and a valid letter of authority from the principal authorizing the Indian agent to submit the bid on their behalf should be uploaded with the bid. The agency agreement shall be valid on the date of opening of bid and shall remain valid throughout the currency of contract.
- 27.2.2 The type and nature of after sales services to be rendered by the Indian agent.

28 RESTRICTED INFORMATION CATEGORIES UNDER SECTION 18 OF ATOMIC ENERGY ACT, 1962 AND OFFICIAL SECRETS UNDER SECTION 5 OF THE OFFICIAL SECRETS ACT, 1923

28.1 Any contravention of the above-mentioned provisions by the bidder or contractor or its sub-contractor, consultant, adviser or its employees will invite penal consequences under the aforesaid legislations as amended from time to time.

29 PROHIBITION AGAINST USE OF THE NAME OF INSTITUTE FOR PLASMA RESEARCH WITHOUT PERMISSION FOR PUBLICITY PURPOSES

29.1 The bidder or contractor or its sub-contractor, consultant, adviser or its employees or any one claiming on behalf of them shall not use the name of Institute for Plasma Research for any publicity purpose through any public media like Press, Radio, T.V. or Internet without the prior written approval of the purchaser.

30 CONFIDENTIALITY

30.1 The drawings, specifications, prototypes, samples or any other correspondence/details/information provided by the purchaser relating to the tender or the contract shall be kept confidential by the bidder or contractor as the case may be, and should not be disclosed or passed on to any other person/firm without prior written consent of the purchaser. This clause shall also apply to anyone claiming through bidder or contractor, i.e., the sub-contractors, consultants, advisers of the contractor and its employees, etc.

31 CANVASSING

31.1 Canvassing in any form with regard to this tender will lead to rejection of the bid

32 EXPORT LICENCE/EXPORT PERMISSION

- 32.1 It is entirely the responsibility of the bidder or contractor to obtain export permission/licence/authorisation for stores of foreign origin as required from the respective Government before arranging shipment.
- The contractor shall reimburse all cost to the purchaser towards establishment of letter of credit or similar payment instruments in case of failure to obtain export licence/export permission, if applicable or failure to execute the contract.
- 32.3 The contractor shall indemnify the purchaser against any consequences in respect of any end-use declaration they/their overseas principals may furnish to the government/government agencies of the country of origin of the Stores, while seeking export permission/licence. It is, therefore, necessary that the contractor offering stores from foreign countries shall have thorough knowledge of export contract regulations prevalent in those countries.
- Post supply inspection by the contractor or his representative or any third party at purchaser's site, contrary to the terms and conditions of purchaser's contract shall not be permitted.

33 END USE CERTIFICATE

Whenever an End Use Certificate is desired by the bidder, the same shall be clearly mentioned in the bid and the purchaser shall provide an End Use Certificate as per

the format given below. The purchaser will not provide any other document/declaration in this regard.

<u>ER</u>	ID USE STAT	LIVILIV	<u>1</u>			
"We hereby certify that the item/s	s i.e		bein	g proc	urea	l from
<i>M/s</i>	against	our	Purchase	Orde	er	No.
<i>IPR</i> /	dated			will	be	used
for						

END LICE CTATEMENT

We also certify that the item/s will not be used in designing, developing, fabricating or testing of any chemical, biological, nuclear, or weapons of mass destruction or activities related to it.

It is further certified that we will not re-export the Item/s prior to obtaining permission from the concerned authorities as may be required".

34 COMPLIANCE WITH THE SECURITY REQUIREMENTS OF THE PURCHASER

34.1 The contractor shall strictly comply with the security rules and regulations of the purchaser in force and shall complete the required formalities including verification from police and any other authority and obtain necessary prior permission for entry into the purchaser's premises, wherever authorised by the purchaser.

35 COUNTRY OF ORIGIN

Wherever the tenders are for imported stores, the country of origin of the stores must be clearly specified in the bid.

36 TERMS AND CONDITIONS OF THE CONTRACT

36.1 It must be clearly understood that any contract concluded pursuant to this NIT shall be governed by the General, Special and Additional Conditions of the Contract as contained in the NIT. Bidder must, therefore, take special care to go through the NIT. It should also be realized that the General Conditions of Contract, Special Conditions of Contract and Additional Conditions of Contract, if any, contained in NIT is binding and the bidder is willing to execute the contract as per the purchaser's terms and conditions of contract.

37 SAMPLES

37.1 Samples of the offered stores, if called for in the NIT, shall be submitted by the bidder free of all charges indicating purchaser's tender number so as to reach the authorized person on or before the last date of submission of bid and without any obligation of the purchaser as regards acceptance/approval, safe custody or safe return thereof. Each sample submitted must be clearly labeled with the bidder's name and address and tender number. In the event of non-acceptance of the bid, the bidder shall collect the samples at his own expenses within fifteen days from the date of intimation. In case bidder fails to collect such samples within the designated time, the same will be disposed-off by the purchaser and no claim will be entertained from the bidder for the same. Bids without samples shall be rejected, where these were asked for submission in the NIT.

- 37.2 If the bidder submits the sample with his bid; the same shall not be considered to be part of the stores unless it has been specifically stated in the NIT.
- 37.3 In case supplies of tendered goods are required as per sample available with the purchaser, the purchaser will provide the sample on submission of a deposit as indicated in the NIT, as a standard for bidding and supply, on request. The contractor may send their representative at an address indicated in the NIT for collection of the sample. The purchaser will not be responsible for any delay in receipt/collection of sample by the bidder. It will be the responsibility of the bidder to return the sample without any damage/deterioration as indicated in the NIT. In the event of non-return of the sample in the desired condition within fifteen days from the date of intimation, the purchaser reserves the right to forfeit the deposit of the bidder.

38 DETAILS OF BANKERS

38.1 The bidder shall submit along with the bid account details, IFSC code, the name and address of his bankers for refund of EMD and payment as applicable.

39 SUBMISSION OF DRAWINGS

39.1 The bidder shall upload all drawings pertaining to the stores, wherever called for in the NIT along with the bid for correct understanding and evaluation of the bid. Bidder's drawing will form part of the contract only after these are approved by the purchaser.

40 SUB-CONTRACTING

40.1 The contractor in the event of his bid being accepted by the purchaser shall not assign/sublet or delegate the contract or any part thereof without the prior written consent of the purchaser. The contractor may without the purchaser's consent purchase such parts, accessories, raw materials etc. from any of the leading and reputed manufacturers in case he does not normally manufacture such items provided these items comply with the technical specifications. However, the contractor shall be solely responsible for the satisfactory execution of the contract irrespective of the fact whether a part or a portion of the contract has been assigned or sublet by him to a sub- contractor even when such sub-contracting has been done with the prior written consent of the purchaser.

41 SHOP/FACTORY EVALUATION, QUALITY SURVEILLANCE/ INSPECTION AND SUBMISSION OF PROGRESS REPORT

41.1 The purchaser or his technical authorities may at his option and prior to evaluation of the bid depute his inspector or any quality surveillance agency to the factory/workshop/premises of the bidder or contractor to assess and establish the manufacturing capability etc. of the bidder. Similarly, the purchaser may also depute his inspector/quality surveillance agency for inspection of the stores during the various stages of manufacture. In such an event the contractor shall allow reasonable facility and free access to his factory/work/records to the inspector for the purpose of inspection or for ascertaining the progress of contract.

42 PACKING

42.1 Contractor shall note that packing for shipment shall be in accordance with the instructions outlined in this NIT. Each package shall be limited to the size and weights that are permissible under the existing air, sea or road cargo limits, as the

case may be. Even when no packing specification is included in the NIT, it will be contractor's responsibility to provide appropriate packing depending upon the nature of the supply and the transportation and handling hazards.

- The stores shall be so packed and protected as not to suffer deterioration, damage or breakage during shipment and storage in a tropical climate.
- Each package shall be properly labeled to indicate the type and quantity of stores it contains, the purchase order number, its dimensions and weight and any other necessary data to identify the stores and relate it to the contract.
- In case of damage of the stores due to inadequate/poor packaging, the purchaser's decision will be final and binding on the contractor. In such cases, the contractor will arrange replacement of such stores at his risk and cost within the delivery date on receipt of written intimation from the purchaser.

43 DEVIATIONS TO PURCHASER'S TECHNICAL SPECIFICATIONS

43.1 If any deviation or substitution from the technical specifications contained in Section "D" to this tender document is involved, such details should be clearly indicated by the bidder and it should be uploaded as an Annexure to the bid as otherwise it shall be an admission on the part of the bidder that he will supply the stores as specified by the purchaser. Price should be submitted online in the bid format provided by the purchaser.

44 SETTLEMENT OF COMMERCIAL TERMS AND CONDITIONS OF CONTRACT

44.1 The commercial terms and conditions of sale/contract of the bid submitted by the bidder should be in line with the purchaser's terms and conditions stipulated in the NIT. In case, the bidder does not accept the purchaser's terms and conditions stipulated in the NIT, their bid will be outrightly rejected. The bidder should note that the authority to settle the commercial terms and conditions of contract rests only with the purchaser and any agreement/understanding reached between the bidder and any other authorities will not be valid and binding.

45 PARTICIPATION OF INDIAN/OVERSEAS BIDDER IN THE TENDER

45.1 Indian and overseas bidder can participate in the tender by using digital signature certificate/encryption certificate issued by any licenced certifying authority authorized by Controller of Certifying Authority, India.

46 TERMS OF DELIVERY

- 46.1 Indian bidders quoting in INR should quote only for safe delivery of stores to the purchaser's consignee.
- Overseas/foreign/Indian bidder quoting in foreign currency should quote on the following INCOTERM basis:-
- 46.2.1 For air shipment: FCA at the specified 'Gateway Airport', as per list given

46.2.1.1 List of Gateway Airports

Sl.	Country	Gateway Airport
No.		, ,
1	Argentina	Buenos Aires
2	Australia	Melbourne
3	Austria	Vienna
4	Belgium	Antwerp
5	Canada	Toronto / Montreal
6	China	Beijing
7	Czech Republic	Prague
8	Denmark	Copenhagen
9	Finland	Helsinki
10	France	Paris
11	Germany	Frankfurt
12	Hong Kong	Hong Kong
13	Ireland	Dublin
14	Italy	Rome
15	Japan	Tokyo / Osaka
16	Netherlands	Amsterdam
17	Norway	Oslo
18	Poland	Warsaw
19	Russia	Moscow
20	Singapore	Singapore
21	South Africa	Johannesburg
22	South Korea	Seoul
23	Spain	Barcelona/Madrid
24	Sweden	Stockholm
25	Switzerland	Zurich
26	United Kingdom	London
27	U.S.A.	JFK

- 46.2.1.2 Since the purchaser has authorized consolidation agents, they will arrange for airfreight from the respective Gateway Airport.
- 46.2.2 For sea shipment: FOB (Port of despatch)
- 46.2.2.1 The price quoted shall include the cost of the stores, packing charges, inland transportation charges up to the port of despatch, i.e., major sea ports in country of despatch and loading of the stores on to the ship. The name of the sea port from where the shipment will be made shall also be indicated.

47 AGENCY COMMISSION

47.1 Agency commission payable to the contractor's agents in India, if any, shall be included in the price. Name and address of Indian agent and the percentage of commission payable to them and included in the price shall be clearly indicated. The commission will be paid in INR directly by the purchaser to the Indian agents after final acceptance. The manner and method of payment of agency commission is indicated in the General Conditions of Contract/ Special Conditions of Contract.

SECTION 'B'

FORMAT FOR SUBMISSION OF TENDER

DECLARATION

	Tender No	
FROM M/s	Contractor's Bid No	Date
-		

To, Head- Purchase and Stores Department Institute for Plasma Research Near Indira Bridge; Bhat Gandhinagar-382428 (INDIA),

Dear Sir,

I/We have gone through the tendering conditions pertaining to the Tender and General Conditions of Contract, Special Conditions of Contract and Additional Conditions of Contract, if any.

- 2. I/We hereby agree to execute the contract in accordance with the tender specifications incorporated in Section "D" of the tender document and also agree to abide by General Conditions of Contract, Special Conditions of Contract contained in Section "C" of the Tender document and Additional Conditions of Contract, if any.
- 3. Purchaser will be at liberty to accept any one or more of the items of Stores offered by us and I/We shall be bound to supply the stores as may be specified in the purchase order/contract.
- 4. I/We hereby agree to keep our above mentioned bid valid for the period mentioned in the NIT.
- 5. Deviation to technical specifications contained in Section "D" of the tender documents are detailed in Annexure "A" of the tender form while deviations proposed to the General/Special Conditions of Contract/Additional Conditions of Contract are detailed in Annexure "B" to this tender.
- 6. Prices applicable are indicated in the price bid format of the tender.
- 7. I/We are also uploading herewith all the leaflets/catalogue, etc. pertaining to the stores offered.
- 8. If I/We withdraw or modify the bid during the period of validity or if I/We are awarded the contract and I/We fail to submit a PSDBG before the deadline mentioned in the contract, I/We shall be suspended for a period of one year from being eligible to submit bids for contracts with Institute for Plasma Research.

Yours faithfully (Signed by Bidder)

e-IPR-P-102 version 2021-2

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SECTION 'C'

General Conditions of Contract and Special Conditions of Contract

INSTITUTE FOR PLASMA RESEARCH

(An Aided Institute of Dept. of Atomic Energy, Govt. of India) NEAR INDIRA BRIDGE, BHAT GANDHINAGAR-382428

General Conditions of Contract and Special Conditions of Contract

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PREAMBLE

While the conditions contained in General Conditions of Contract will apply to all types of contracts, whereas General Conditions of Contract as well as Special Conditions of Contract will apply to contracts for design/manufacture, supply installation and commissioning of the plant/machinery/equipment/instrument as the case may be.

PART-A

GENERAL CONDITIONS OF CONTRACT

1. AUTHORITY OF PERSON SIGNING THE CONTRACT ON BEHALF OF THE CONTRACTOR

The person/s signing or digitally signing the bid or any other document in respect of the bid or contract on behalf of the bidder or contractor shall be deemed to warrant that he has the authority to bind the contractor.

2. DRAWINGS AND SPECIFICATIONS

The drawings and specifications are intended to be complementary and to provide for and comprise everything necessary for the completion of the contract. Any material shown on the drawing even if not particularly described in specifications or vice versa is to be supplied by the contractors if it were both shown and specified.

In case any discrepancy is noted in the drawings and/or specifications and any interpretation of the same be required, the matter shall be referred to the purchaser for clarification which shall be binding upon the contractor. Otherwise, the contractor shall assume responsibility for the interpretation of the drawings and specifications including his subcontractor(s).

In case any difference or dispute arises with regard to the true intent and meaning of drawings or specification or in case any portion of the same be obscure or capable of more than one interpretation, the same shall be decided by the purchaser whose decision shall be final.

All lettering on the drawings is to be considered as part of the specification and contract. In all cases figured dimensions are to be followed rather than those indicated by scale. Large scale drawings will take precedence over smaller scale drawings.

The contractor's drawings shall, when approved by the purchaser, be deemed to be included in the list of drawings which form part of the contract. The contractor shall not proceed with fabrication until all drawings associated therewith have been duly approved by the purchaser in writing or as specified in the NIT.

The contractor shall be responsible for and shall pay for any alterations of the stores and shall indemnify the purchaser for any consequential expenditure incurred by the purchaser due to any discrepancies, errors, omissions etc. what so ever in the drawings or other specifications supplied by him whether such drawings etc. whatsoever have been approved by the purchaser or not, provided that such discrepancies, errors or omissions etc. is not due to inaccurate information or specifications furnished to the contractor on behalf of the purchaser.

3. GENERAL WARRANTY

The stores supplied by the contractor under the contract shall be of best quality and workmanship. The contractor shall execute the contract in accordance with the technical specifications unless any deviation has been expressly specified in the contract and any amendments agreed thereto in writing.

The contractor's bid to execute the contract in accordance with the technical specifications shall be deemed to be an admission on his part that he has fully acquainted himself with the details thereof and no claim shall lie against the purchaser on the ground that the contractor did not examine or acquaint himself fully with the technical specifications of the contract.

4. ALTERATIONS

The purchaser may, in exceptional circumstances, make changes in the drawings, technical specifications and issue additional instructions without altering the contract in any manner provided that the changes will be as far as possible not materially alter the character and scope of the contract.

It shall be lawful for the parties to the contract to alter by mutual consent at any time, the drawings and technical specifications of stores. The stores to be supplied shall be in accordance with such altered drawings and technical specifications from the dates specified by the parties; provided that if any such alterations involve increase or decrease in the cost of or in the period required for production, a revision of the contract price and/or the delivery date shall be made by mutual agreement in respect of the stores to which the alteration applies. In all other respects, the contract shall remain unaltered.

5. PACKING

The contractor shall pack the stores at his own cost sufficiently and properly for transit by air/sea/road as the case may be so as to ensure their being free from loss or damage while in transit to the ultimate destination specified in the contract.

Unless otherwise provided in the contract all containers (including packing cases, boxes, tins, drums and wrappings etc.) in which the stores are supplied by the contractor shall be considered as property of the purchaser and their cost as having been included in the contract price.

6. INSPECTION

The contractor shall be responsible for and perform all testing required in accordance with the contract and technical specifications included therewith.

The purchaser may at his option depute inspector(s) for inspection of the stores at contractor's works. The contractor shall facilitate such inspection of stores manufactured by him.

The contractor shall give notice of readiness for inspection to the inspector (deputed under Clause 6.2 above) so that the inspector can be present at the requisite time. The contractor shall dispatch stores only after inspector deputed by the purchaser has issued shipping release.

The contractor shall allow reasonable facility and free access to his work/factory/premises and records to the inspector for the purpose of inspection or for ascertaining the progress of work related to ordered stores under the contract.

The contractor shall provide the drawings, tooling, gauges, instruments etc. and extend all the help required for carrying out the inspection work.

The contractor shall produce an inspection plan to the purchaser's satisfaction notifying check points on the plan. The final inspection shall be conducted as per the approved quality assurance plan.

The contractor shall not supply or deliver the stores unless and until a shipping release or an authorisation for despatch is obtained in the format provided by the purchaser if Pre Despatch Inspection is mentioned in Technical specification. Failure to comply with this instruction as applicable will not only make the contractor ineligible for payment for the supply, but also hold the contractor liable for payment of compensation to the purchaser due to delay in clearance of the stores from the carriers.

If the contractor dispatches stores without obtaining shipping release or authority to dispatch, he will not be entitled to get any payment for such supply, in addition the contractor will pay damages for delayed clearance of the stores from the carrier.

7. SECURITIES

The contractor shall provide the securities in favour of the purchaser in the form of bank guarantees as stated in sub-clauses indicated herein below for a period covering sixty days beyond the completion period mentioned in the contract or such extended period as may be agreed to between the parties, subject to the following conditions:

7.1. Applicable for contracts in INDIAN RUPEE

The bank guarantee should be executed by State Bank of India or any Indian nationalized banker Scheduled Banks as appearing in the second schedule of Reserve Bank of India (other than co-operative and Grameen Banks), on a non-judicial stamp paper of appropriate value as per the purchaser's format.

7.2. Applicable for contracts other than in INDIAN RUPEE having condition for submission of Bank Guarantee by Foreign Contractor.

The bank guarantee should be executed by State Bank of India or any Indian Nationalized banker Scheduled Banks as appearing in the second schedule of Reserve Bank of India (other than co-operative and Grameen Banks) or any Foreign Bank acceptable to the Purchaser. Bank Guarantee drawn from any bank in India shall be on a non-judicial stamp paper of appropriate value whereas Bank Guarantee drawn from Overseas Bank shall be on the Letter Head of the Bank, as per the purchaser's format.

The bank guarantees shall be submitted as per the format available in Annexure.

All bank guarantees are to be sent by the bankers of the contractor directly to the purchaser.

Where the contractor fails to complete the contract within the delivery date, the contractor shall apply to the purchaser for extension of delivery

date of the contract. Such application shall be made before the last date of completion of the contract. The purchaser may at his discretion extend delivery date of the stores under such condition as he may deem fit. All Bank Guarantees so submitted shall also be suitable extended well in time, failing which the purchaser shall have the right to invoke the bank guarantee without prejudice to the terms and conditions of the contract. The contractor shall not supply the material unless the purchaser has extended delivery date of stores in writing

7.3. PERFORMANCE SECURITIES

Contractor shall furnish Performance Security Deposit in the form of bank guarantee for three percent of the value of the contract, including statutory levies, for due performance of the said contract till expiry of warranty period, as per Annexure-I within thirty days from the date of issue of contract in case of Indian Rupee contracts or within thirty days from the date of receipt of Export License by the contractor from respective Government in case of contracts having currency other than Indian Rupee, as the case may be. The Bank Guarantee shall be valid till satisfactory completion of the contract till expiry of warranty period pursuant to General Conditions of Contract, plus a claim period of sixty days from the completion period mentioned in the contract for lodging of claims, if any.

If the contractor fails to provide PSDBG as stated herein above, within thirty days from the date of issue of contract such failure shall constitute a breach of contract and action as deemed fit may be initiated against the contractor.

In case, the contractor fails to fulfill the obligations under the contract; the purchaser shall have the right to invoke and appropriate the PSDBG. This right shall be in addition to and without prejudice to the rights of the purchaser under the terms and conditions of contract

7.4. BANK GUARANTEE FOR FREE ISSUE MATERIAL

Bank Guarantee for Free Issue Material (hereinafter referred to as FIM) (for fabrication of stores at contractor's works outside purchaser's site): The contractor shall submit a Bank Guarantee as per Annexure VIII as applicable to the extent of full value of FIM as security of free issue material issued to the contract or till such time the entire contract is executed and proper account for the FIM is rendered by the contractor to the Purchaser.

8. DELIVERY DATE - TIME IS THE ESSENCE OF CONTRACT

The delivery date stipulated in the contract shall be deemed to be the essence of the contract and the contract must be completed not later than date(s) stipulated therein.

PHASED DELIVERY/MILESTONE

Where the contract envisages phased delivery or completion of milestone, the delivery date for each phase or milestone shall be deemed to be the essence of contract.

Acceptance beyond the delivery date is at the sole discretion of the purchaser and subject to Section C Part A Clause No.10. The contract shall be deemed to be terminated after the expiry of delivery date and subjected to Section C Part A Clause 32.2 and Clause 32.3.

9. ADVANCE INTIMATION OF DELIVERY

Contractors shall send advance intimation to the consignee preferably by e-mail regarding intended delivery of material at least five days prior to the date of delivery of stores to the consignee so as to make proper arrangements for receipt of the stores. If delivery of stores is being carried out by a vehicle, the contractor shall confirm that the driver carries, as on date of delivery, all valid documents, viz., driving license, vehicle registration documents, insurance cover for the vehicle etc. in addition to delivery challan in duplicate along with other documents if any, as per the contract. Failure to carry the valid documents by the driver will result in denial of entry of vehicle inside consignee's premises and the consignee will not be responsible for any consequences thereof.

10. EXTENSION OF DELIVERY DATE

The purchaser will without prejudice to the other rights of the purchaser invoke the following damages for extension of delivery date:

S1. No.	Delivery Period	Liquidated Damages, Rate per Week	Maximum Amount of Liquidated Damages
1.	Delivery period (as originally stipulated) not exceeding one year	@0.5% of the value of the stores, per week or part thereof	5% of the value of stores.
2.	Delivery period (as originally stipulated) exceeding one year but not exceeding two years.	@ 0.25% of the value of the stores, per week or part thereof.	5% of the value of stores.
3.	Delivery period (as originally stipulated) exceeding two years	@ 0.1% of the value of the stores, per week or part thereof.	5% of the value of stores.

Delivery Period means "The time from date of release of the contract to the date of delivery of stores".

However, the payment of liquidated damages shall not in any way absolve the contractor from any of its obligations and liabilities under the contract.

11.FORECLOSURE OF CONTRACT OR REDUCTION IN SCOPE OF WORK BEFORE DELIVERY DATE

If before the delivery date, the purchaser may at its discretion, decide to abandon or reduce the scope of the contract for any reason whatsoever and does not require the whole or part of the contract to be executed, the purchaser shall give notice of four weeks in writing to that effect to the contractor and the contractor shall act accordingly in the matter. The

contractor shall have no claim for any payment of compensation or otherwise whatsoever, on account of any profit or advantage which he might have derived from the execution of the contract in full but which he did not derive in consequence of the foreclosure of the whole or part of the contract.

The contractor shall be paid at contract rates, full amount for part of contract executed and delivered to the purchaser. In addition, a reasonable amount as certified by the purchaser will be paid to the contractor for the stores hereunder mentioned which could not be utilized in the contract to the full extent in view of the foreclosure.

Purchaser shall have the option to take over contractor's materials or any part thereof either bought for execution of the contract or of which the contractor is legally bound to accept delivery from its contractor (for use in the contract). For materials taken over or to be taken over by purchaser, cost of such materials as calculated by purchaser shall be paid. The cost shall, however, take into account purchase price, cost of transportation and deterioration or damage which may have been caused to materials whilst in the custody of the contractor.

If any materials supplied by purchaser are rendered surplus, the same except normal wastage shall be returned by the contractor to purchaser at rates not exceeding those at which these were originally issued, less allowance for any deterioration or damage which may have been caused whilst the materials were in the custody of the contractor. In addition, cost of transporting of such materials from contractor's site to consignee, if so required by purchaser, shall be paid.

The contractor shall, if required by the purchaser, furnish books of accounts and other relevant documents and evidence as may be necessary to enable the purchaser to certify the reasonable amount payable under Clause 11.2 above.

The reasonable amount payable for the stores shall not be in excess of the cost of the contract remaining incomplete on the date of closure, i.e. total stipulated cost excluding taxes of the contract as per accepted tender less the cost of stores actually delivered and also less the cost of contractor's materials at site taken over by the purchaser as above. Provided always that against any payments due to the contractor on this account or otherwise, the purchaser shall be entitled to recover or be credited with any outstanding balances due from the contractor for advance paid in respect of this contract and any other sums which on the date of termination were recoverable by the purchaser from the contractor under the terms of this contract.

12. INSPECTOR'S AUTHORITY

The inspector, wherever deputed by the purchaser under relevant Clauses of the Contract shall have the power:

to certify that the stores are not in accordance with the specifications provided in the contract owing to the adoption of any unsatisfactory method of manufacture, before any Stores or parts thereof are inspected.

to reject any Stores submitted for inspection or part thereof as not being in accordance with the technical specification provided in the contract.

13. RECTIFICATION AND REPLACEMENT OF DEFECTIVE STORES

If the inspector finds that the contractor has executed any unsound or

imperfect work, the inspector shall notify such defects to the contractor in writing with thirty days from the date of delivery and the contractor on receiving the details of such defects or deficiency, shall at his own expenses, within seven days or otherwise within such time as may be mutually agreed upon between the parties as reasonably necessary, proceed to alter, reconstruct or remanufacture the stores to the requisite standard and technical specifications according to the contract.

In case repair/replacement of defective/rejected stores is necessary and becomes essential to return the stores, to the contractor, where full or part payment has already been made by the purchaser, the contractor shall submit bank guarantee for the value of stores so found defective/rejected as per Annexure-V or VI as may be applicable and valid till receipt and acceptance of repaired/replaced/entire stores within fifteen days of intimation. However, the contractor will not be absolved from his responsibility as specified under Section C Part-A Clause No.8.

14. CONSEQUENCE OF REJECTION

If the stores are rejected by the inspector or consignee at the destination and the contractor fails to make satisfactory supplies within the delivery date, then the purchaser may:

Allow the contractor to submit for inspection of fresh stores in replacement of the rejected, within extended delivery period subject to Section C Part A Clause No. 10, the contractor bearing the cost of freight on such replacement without being entitled to any extra payment on that account. OR

Purchaser may take recourse to Section C Part A Clause 8.4.

15. RECOVERY OF SUMS DUE

Whenever any claim for payment arises out of or under this contract against the contractor, the purchaser shall be entitled to recover the sum by appropriating, in part or whole, the security deposited by the contractor or any payment which at any time may become due to the contractor under this or any other contract with the purchaser. If this sum is not sufficient to cover the full amount recoverable, the contractor shall pay to the Purchaser on demand the remaining balance due. Similarly, if the purchaser has or makes any claim, whether liquidated or not, against the contractor under any other contract with the purchaser the amount payable to the contractor under the contract including the security deposit shall be withheld till such claims of the purchaser are finally adjudicated upon and paid by the contractor

16. LIEN IN RESPECT OF CLAIMS IN OTHER CONTRACTS

It is agreed that any sum of money due and payable to the contractor under any contract may be withheld or retained by way of lien by the purchaser or any other person or persons contracting through the purchaser against any claim of the purchaser or such other person or persons in respect of payment of a sum of money arising out of or under any other contract made by the contractor with the purchaser or with other such person or persons.

It is further agreed term of the contract that the sum of money so withheld or retained under this Clause by the purchaser will be kept withheld or retained as such by the purchaser until the claim arising out of in the same contract or any other contract is either mutually settled or

determined by the arbitrator, and that the contractor shall have no claim for interest or damages whatsoever on this account or on any other ground in respect of any sum of money withheld or retained under this Clause and duly notified as such to the contractor.

17. WARRANTY

The contractor warrants that stores to be supplied under the contract shall be free from all defects and faults in materials, workmanship and manufacture and shall be of the highest grade and consistent with the established and generally accepted standards for stores of the types under the contract in full conformity with the specifications, drawings or samples, if any and shall if operable, operate properly. This warranty shall expire (except in respect of complaints notified to the contractor prior to such date) twelve months after the date of receipt and acceptance of the last lot of stores under the contract at the ultimate destination stipulated in the contract.

In case any defect or deficiency in the stores supplied by the contractor under the contract appear to be discovered within twelve months from the date of receipt and acceptance of the stores in India, the contractor upon notification of such defects or deficiency by purchaser, shall forthwith take measure to rectify every such defect, deficiency or failure without any cost to the purchaser.

In case the contractor opts for return of stores for rectification/repair at their works, contractor shall furnish bank guarantee for the cost of stores as per Annexure-V or VI (as applicable) valid till acceptance of rectified/repaired Stores. Further the warranty period will get extended for the period the Stores were not available to the purchaser for his use. If the contractor, after such notification, makes default or delay in rectifying all such defects, deficiencies or failure to the satisfaction of the purchaser, the purchaser may take recourse to the remedies provided for in Section C Part-A Clause no. 11 and 14.

18. PERMIT AND LICENSES

The contractor shall secure and pay for all licenses and permit at his end which he may be required to comply with all laws, ordinances and regulations etc. of the public authorities in connection with the performance of his obligations under the contract. The contractor shall be responsible for all damages and shall indemnify and save the purchaser from against all claims for damages and liability which may arise out of the failure of the contractor to secure and pay for any such licenses and permits and/or to comply fully with any and all applicable laws ordinances and regulations etc.

19. PATENT INDEMNIFICATION

The contractor shall indemnify and keep the purchaser indemnified from and against any and all claims, actions, costs, charges and expenses arising from or for infringement of patent rights, copyright or other protected rights, etc. of any design plans, diagrams, drawings in respect of the stores supplied by the contractor or any of the manufacturing methods or process adopted by contractor for the Stores supplied under the contract.

In the event of any claim being made or action being taken against the purchaser in respect of the matter referred to in Clause No. 19.1 above,

the contractor shall promptly be notified thereof and he shall at his own expense, conduct all negotiations for the settlement of the same and any litigation that may arise there from.

In the event of any designs, drawing, plans or diagrams or any manufacturing methods or process furnished by the contractor etc. constituting infringement of patent or any other protected rights etc. and use thereof is restrained, the contractor shall procure for purchaser, at no cost to the latter, the rights to continue using the same or to the extent it is possible to replace the same so as to avoid such infringement and subject to approval by the purchaser or modify them so that they become non-infringing, but such modifications shall otherwise be to the entire satisfaction of the purchaser.

The provision of the Clause remains effective and binding upon the contractor even after the completion, expiration or termination of the contract.

20. MODE AND DOCUMENTATION OF PAYMENT

20.1. Payment for contracts in currency other than INDIAN RUPEES

Unless otherwise specified elsewhere, payment in full (excluding the amount of the commission included in the price payable directly by the purchaser to the Indian agent) shall be made by wire transfer within thirty days of final acceptance of stores.

The following documents are required to be sent to the purchaser immediately after shipment of consignment:

- 20.1.1. Bill of Lading/Negotiable Airway Bill evidencing shipment
- 20.1.2. Invoice for the shipment: Four copies
- 20.1.3. Packing list: Four copies
- 20.1.4. Shipping release from inspector or quality surveillance agency nominated by the purchaser for the purpose of inspection: Four copies, if applicable.
- 20.1.5. Shipping authorization from purchaser wherever required.

The contractor shall send invoice only for the net amount payable to him after deducting the amount of agency commission included in the invoice which would be paid to the Indian agents directly by the purchaser. However the contractor's invoice should separately reflect the amount of commission payable to his Indian agent.

20.2. PAYMENT FOR CONTRACTS IN INDIAN RUPEE

Unless otherwise mentioned elsewhere, payments for the contract will be made after final acceptance of stores and within a reasonable time on submission of following documents.

- i) GST compliant invoice in favour of paying authority duly pre-receipted.
- ii) Receiving voucher from Stores (RV).

Normally thirty days will be allowed for inspection and payment after receipt of the stores.

21. STATUTORY DEDUCTIONS

The purchaser has the right to make statutory deductions from the payments made to the contractor as applicable on the date of making such payment as per the provisions of relevant Act or Rules made there under. Appropriate certificate to that effect will be provided by the purchaser's paying authority.

22. AGENCY COMMISSION

The amount of commission included in the price and payable to the Indian agents of the contractor shall be paid in INR directly to the Indian agents by the purchaser on the basis of an Invoice from the Indian agent. "Payment will be released to the Indian agents after receipt and final acceptance of the goods by the purchaser".

INSURANCE FOR CONTRACTS IN CURRENCY OTHER THAN INDIAN RUPEE

Transit insurance from warehouse to warehouse will be arranged by the purchaser through his underwriters unless this responsibility is specifically entrusted to the contractor in any particular case.

23.MARKING

The marking shall generally be as under:

Name and address of the consignee	Head - Stores Section, INSTITUTE FOR PLASMA RESEARCH (An Aided Institute of Dept. of Atomic Energy, Govt. of India) NEAR INDIRA BRIDGE, BHAT GANDHINAGAR-382428		
Contract Number and Date	NoDate		
Brief Description of Goods			
Weight			
Dimension			
Ultimate Destination			
Port of Discharge			
Package Number			

Each package shall contain a packing note specifying the name and address of the contractor, the number and date of the contract, name and address of the consignee, description of the stores and the quantity contained in such package.

The inspector, wherever deputed by the purchaser under Section C Part-A Clause No. 6 may reject the stores if the same is not packed and/or marked as aforesaid and in case where the packing materials are specifically prescribed, if such materials are not in accordance with the terms of the contract.

24. CODE OF INTEGRITY

No official of a procuring entity or bidder or contractor shall act in contravention of the codes which include

- (i) Prohibition of
 - (a) making offer, solicitation or acceptance of bribe, reward or gift or any material benefit, either directly or indirectly, in exchange for an unfair advantage in the procurement process or to otherwise influence the procurement process.
 - (b) any omission, or misrepresentation that may mislead or attempt to mislead so that financial or other benefit may be obtained or an obligation avoided.
 - (c) any collusion, bid rigging or anticompetitive behavior that may impair the transparency, fairness and the progress of the

- procurement process.
- (d) improper use of information provided by the procuring entity to the bidder with an intent to gain unfair advantage in the procurement process or for personal gain.
- (e) any financial or business transactions between the bidder and any official of the procuring entity related to tender or execution process of contract; which can affect the decision of the procuring entity directly or indirectly any coercion or any threat to impair or harm, directly or indirectly, any party or its property to influence the procurement process.
- (f) obstruction of any investigation or auditing of a procurement process.
- (g) making false declaration or providing false information for participation in a tender process or to secure a contract;
- (ii) Disclosure of conflict of interest.
- (iii) Disclosure by the bidder of any previous transgressions made in respect of the provisions of sub-clause (i) with any entity in any country during the last three years or of being debarred by any other procuring entity.

(iv) Institute for Plasma Research, after giving a reasonable opportunity of being heard, comes to the conclusion that a bidder or prospective bidder, as the case may be, has contravened the code of integrity, may take appropriate measures as deemed fit, including rejecting his bid and forfeiting EMD and/or debarring him from participating in future bidding.

25. LAW GOVERNING THE CONTRACT

This contract shall be governed by the laws of India for the time being in force. The marking of all stores must comply with the requirements of India Acts relating to Merchandise Marks and all the rules made under such Acts.

26. JURISDICTION

The Courts within the local limits (i.e. Gandhinagar) of whose jurisdiction the place from which the purchase order is issued is situation only shall, subject to Arbitration Clause, have jurisdiction to deal with and decide any matter out of this Purchase Order/Contract.

27. SETTLEMENT OF DISPUTES

The Purchaser and the Contractor shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.

If the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract.

28. Arbitration

In the event of any dispute or difference arising out or of in connection with any of the terms and conditions of the Purchase Order/Contract, the matter shall be referred to the Director, IPR for settlement. In case the parties to the Purchase Order are not in a position to settle the dispute mutually, the matter shall be referred to a Sole Arbitrator to be appointed in accordance with the Arbitration & Reconciliation Act, 1996 & Arbitration and Conciliation (Amendment) Act, 2015 as amended time to time.

29. TRANSFER OF OWNERSHIP

- 29.1 Ownership of the stores supplied by the foreign contractor shall be transferred to the purchaser in accordance with the payment terms or INCOTERMS accepted.
- 29.2 Ownership of the stores supplied by the Indian contractor shall be transferred to the purchaser when the stores are delivered and accepted by the purchaser
- 29.3 Transfer of title shall not in any way absolve the contractor from his responsibilities and liabilities under the contract. Notwithstanding the

transfer of ownership of the stores, the responsibility for care and custody thereof together with the risk of loss or damage thereto shall remain with the contractor until safe delivery of the stores to the purchaser' site.

INTELLECTUAL PROPERTY RIGHTS

All rights of design documents and drawings, if paid by the purchaser separately or compositely included in the contract cost, will remain with the purchaser and the contractor shall have no claim whatsoever on these rights.

30. EXERCISING THE RIGHTS AND POWERS OF THE PURCHASER

Director, Institute for Plasma Research is the authorized person to deal with, exercise, negotiate on behalf of the purchaser having all the rights, discretions and powers of the purchaser under this contract and any reference to the opinion of the purchaser in the terms and conditions contained in these General Conditions of Contract/Special Conditions of Contract shall mean and be construed as reference to the opinion of any of the persons authorized by him as mentioned in this Clause. All notices on behalf of the purchaser shall be issued by Director, Institute for Plasma Research.

31. TERMINATION OF CONTRACT

In case of non-compliance of any of the Terms and Conditions of the Contract, Purchaser reserves the right to terminate the contract after serving notice to the contractor.

Performance Security, if any, already available shall be forfeited.

In addition to the above, the contractor will be liable to be debarred and/or banned from participation against any tender issued by Institute for Plasma Research, including its regional units, and/or the bid of defaulting contractor is being considered for award of contract of stores.

PART-B

In addition to the General Conditions of Contract contained in Section C Part-A the following Special Conditions of Contract shall apply to contracts for design/manufacture, supply, installation and commissioning of plant/ machinery/equipment/instrument as the case may be . These Special Conditions of Contract in Part-B shall override the General Conditions of Contract, wherever there is any ambiguity/conflict.

SPECIAL CONDITIONS OF CONTRACT

1. RESPONSIBILITY FOR COMPLETENESS

All fittings or accessories which may not be specifically mentioned in the tender specifications of the contract but which are necessary are to be provided by the contractor without any extra charge and the stores comprising plant/machinery/equipment/instruments must be completed in all respect within the delivery date.

2. FINAL TEST

The final tests to ascertain the performance and guarantee shall commence within one month of completion of installation. The contractor will inform the purchaser well in advance the services/facilities required to start the final test, as mentioned in the contract.

3. REJECTION OF DEFECTIVE PLANT

If the completed plant or any portion thereof before it is finally accepted is found to be defective or fails to fulfill the requirements of the contract during the currency of the contract including warranty period, the purchaser shall give the contractor notice setting forth with the details of such defects or failure and the contractor shall forthwith rectify the defective plant or alter the same to make it comply with the requirement of the contract at the earliest and in any case not later than thirty days from the date of such intimation of the incident. In case the contractor fail to do so within the abovementioned time the purchaser may reject and replace at the cost of the contractor, the whole or any portion of the plant as the case may be, which is defective or fails to fulfill the requirement of the contract. Such replacement shall be carried out by the purchaser within a reasonable time and at reasonable price and to the same specifications as far as possible and under competitive conditions. The contractor shall be liable to pay to the purchaser the extra cost, if any, of such replacement procured and/or erected as provided for in the contract, such extra cost being the difference between the price paid by the purchaser under the contract for such replacement and the original price admitted in the contract placed with the contractor or the cost as determined by the purchaser out of the price admitted in the original contract, where separate price for such defective/rejected stores is not available in the contract. Contractor shall refund to purchaser any sum paid by the purchaser to the contractor in respect of such defective plant when rejected and no replacement is procured by the purchaser.

4. WARRANTY

The contractor shall provide warranty of stores supplied for a minimum period of twelve calendar months after the stores comprising plant/machinery/equipment/ instruments has been put into operation

(or a suitable mutually agreed longer period to be reckoned from the date of last major shipment depending upon the nature of the stores comprising plant/machinery/equipment/instrument) the contractor shall be responsible for any defects that may develop under conditions provided for in the contract and under proper use, arising from the faulty materials,

design

or workmanshipintheplantorfromfaultyerectionoftheplantbythecontractor,butot herwise and shall rectify such defects at his own cost when called upon

to do so by the purchaser who shall state in writing such defects.

If it becomes necessary for the contractor to replace or renew any defective portions of the plant for purpose of rectification under this Clause, the provisions of this Clause shall apply to the portions of the plant so replaced or renewed until expiration of six months from the date of such replacement or renewal or until the end of the above mentioned period of twelve months whichever is later. If any defect is not rectified within a reasonable time, the purchaser may cancel the contract or part thereof whose decision will be final and binding on the contractor and the contractor will refund the money so paid to the contractor forthwith without any demur.

All inspections adjustments, replacements or renewals carried out by the contractor during the warranty period shall be subject to the same conditions as in the contract.

The contractor shall, give advance notice of not less than twelve months to the purchaser whenever spare parts of the stores are going out of production so that the purchaser may order requirement of spares in one lot or more lots if so desired.

The contractor shall further guarantee up to the plant/equipment/instrument/stores life that if spare parts go out of production, the contractor will make available blue prints, drawings of spare parts and specifications of stores at no cost to the purchaser, if and when required in connection with the stores to enable purchaser to fabricate or procure spare parts from other sources.

The provision of this Clause shall remain effective and binding upon the contractor even after the completion and fifteen years of expiration of the contract or till the stores supplied under the contract is in use by the purchaser, whichever is earlier.

5. ERECTION AND COMMISSIONING

In all cases where contract provide for supervision of erection and commissioning or for test at the purchaser's premises, the contractor shall indicate in advance the services required for installation and commissioning and the purchaser except where otherwise specified, shall provide free of charge, such labour, materials, fuels, apparatus and instruments as may be required from time to time and as may reasonably be demanded by the contractor to carryout efficiently such supervision of erection and commissioning and for the requisite test. In case of contract requiring electricity or services for the completion of erection, commissioning and testing at site, such electricity or services shall be supplied free of cost to the contractor or as specified in the NIT.

Action by the purchaser under the Clause shall not relieve the contractor of his warranty obligations under the contract.

6. TRAINING

The contractor shall, if required by the purchaser, provide facilities for the practical training of purchaser's engineering or technical personnel and for their active association on the manufacturing process through the manufacturing period of the contract/stores, number of such personnel shall be mutually agreed upon.

7. PAYMENT TERMS

7.1.FOR CONTRACTS IN INDIAN RUPEE ONLY

90% of total contract value exclusive of charges for installation and commissioning, if applicable after delivery of all consignment and preliminary inspection by purchaser's inspector on submission of the following:

- 7.1.1.1. GST compliant invoice in favour of paying authority duly pre-receipted.
- 7.1.1.2. Original shipping release containing the stamp and signature of the purchaser's inspection authority.
- 7.1.1.3. Preliminary Inspection Report alongwith Material receipt confirmation documents from Stores.

And balance payment will be released against following documents:

- i) Installation, commissioning and training certificate if applicable
- ii) Receiving voucher receipt from Stores.

7.2. FOR CONTRACTS IN CURRENCIES OTHER THAN INDIAN RUPEE

Unless otherwise specified elsewhere in the NIT, payment for the stores will be made as follows

90% of total contract value exclusive of charges for installation and commissioning, if applicable by Irrevocable Letter of Credit on submission of the following documents:

- i. Bill of Lading/Negotiable Airway Bill evidencing shipment
- ii. Invoice for the shipment: Four copies
- iii. Packing List: Four copies
- iv. Shipping authorization from purchaser wherever required. if applicable,
- v. Any other document(s) as specified in the contract.

An advance copy of invoice along with details of documents forwarded through bank should be sent to the Paying Authority mentioned in the contract to enable him to verify the documents and honor the claim without delay.

The contractor shall be responsible to make available to the purchaser the documents which are essential for arranging customs clearance in India. The contractor shall arrange through his bank to have the documents air mailed to the purchase's bank without any delay. He shall also arrange to forward directly to the purchaser, three copies of Airway Bill, along with a copy of the invoice and packing list. If the purchaser incurs any extra expenditure by way of penalty payable to the Airport authorities in India or any other such expenditure due to delay in receipt of shipping documents specified by purchaser, the contractor shall be responsible for making good such extra expenditure incurred by the purchaser.

While the purchaser shall bear the bank charges payable to his bankers in India (State Bank of India) the contractor shall bear all the bank

charges payable outside India including the charges towards advising/amendments, commission.

The contractor shall send invoice only for the net amount payable to him after deducting the amount of agency commission included in the invoice which would be paid to the Indian agents directly by the purchaser in Indian Rupee. However the contractor's invoice should separately reflect the amount of commission payable to his Indian agent.

Balance payment will be made by wire transfer after final inspection, testing, installation, commissioning (where applicable), final acceptance and submission of PSDBG acceptance letter from the Purchaser against following documents.

- i. Acceptance Report
- ii. Receiving voucher from Stores

8. FORCE MAJEURE

DEFINITION OF FORCE MAJEURE

Force Majeure shall mean any event which is beyond the control of the contractor or the purchaser, as the case may be, which they could not foresee or with a reasonable amount of diligence could not have foreseen and which substantially affects the performance of the contract, such as

war, hostilities or warlike operations (whether a state of war be declared or not), invasion, act of foreign enemy and civil war.

rebellion, insurrection, mutiny, usurpation of civil or military government, civil commotion.

embargo, import restriction, confiscation, nationalization, mobilization, commandeering or requisition by or under the order of Central, State Government or Local Authority in India or any other act or failure to act, of any local, state or national government in India

riot

state/region/country wide transporters strike

earthquake, landslide, volcanic activity, fire, flood or inundation, tidal wave, typhoon or cyclone hurricane, storm, lightning and pressure waves or other natural disaster

nuclear event causing nuclear radiation, radioactive

contamination NOTICE OF FORCE MAJEURE

If either party is prevented, hindered or delayed from or in performing any of its obligations under the contract by an event of force majeure, then it shall notify the other in writing of the occurrence of such event and the circumstances thereof within fourteen days after the occurrence of such event. A party shall give notice to the other party when it ceases to be affected by the force majeure. Failure to notify the purchaser about occurrence of such event within the time frame specified, the contractor shall have no right to claim any provisions under clause 8.4 below (consequences of force majeure)

DUTY TO MINIMISE THE EFFECT

The party or parties affected by the event of force majeure shall use reasonable efforts to mitigate the effect thereof upon its or their performance of the contract and to fulfill its or their obligations under the contract

CONSEQUENCES OF FORCE MAJEURE

The party who has given notice of force majeure shall be excused from the performance or punctual performance of its obligations under the contract for so long as the relevant event of force majeure continues and to the extent that such party's performance is prevented, hindered or delayed. The delivery time shall be re- fixed in accordance with Section C Part-A Clause 10, even though such force majeure event may occur after contractor's performance of his obligations has been delayed for other cause. No delay or non-performance by either party hereto caused by the occurrence of any event of force majeure shall

Constitute a default or breach of the contract give rise to any claim for damages or additional cost or expense occasioned thereby; if and to the extent that such delay or non-performance is caused by the occurrence of an event of force majeure. If the performance of the contract is substantially prevented, hindered or delayed for a single period of more than sixty days or an aggregate period of more than one hundred and twenty days on account of one or more events of force majeure during the currency of the contract, the parties will attempt to develop a mutually satisfactory solution.

FORCE MAJEURE AFFECTING SUB-CONTRACTOR

Conditions as enumerated in Section C Part B Clause 8 will be applicable to sub- contractor.

If any sub-contractor is entitled under the contract for Force Majeure on terms additional to or broader than those specified in this Clause, such additional or broader Force Majeure events or circumstances shall not excuse the Contractor's non-performance or entitle him to relief under this Clause.

9. LIMITATIONS

Anything in this Contract to the contrary not withstanding

The affected party shall not be relieved from obligations under this contract to the extent any gross negligence of the affected party aggravates the force majeure event; and

Force majeure shall not apply to obligations of either party to make payments to the other party under the contract.

10. HINDRANCES

The contractor is required to maintain hindrance register for reporting hindrance if any, while executing the work, as per Annexure-X

. The contractor shall get record of hindrances in the hindrance register(s) approved/ endorsed by the purchaser. Such hindrance in the work endorsed by the purchaser will only be taken into consideration for granting delivery date re-fixation.

ANNEXURE

BANK GUARANTEE/ HINDRANCE
REGISTER FORMAT

ANNEXURE-I: PERFORMANCE SECURITY BOND

[Note: Bank Guarantee shall be got executed from a Nationalised / Scheduled commercial Bank (Except Co-operative Bank and Grameen Banks) only on non-judicial stamp paper of appropriate value]

Institute for Plasma Research (Acting through) Director/ Head-Purchase and Stores Department/ Head-Purchase Section Institute for Plasma Research 1. WHEREAS on or about the Purchase (Date the _a Company incorporated M/s. under 1956 the Companies Act and having its registered (hereinafter referred to as 'The Contractor') entered into an agreement bearing No. (hereinafter referred to as 'The Contract'), with Institute for Plasma Research acting through Director/ Head- Purchase and Stores Department/ Head-Purchase Section, Institute for Plasma Research, Bhat, Near Indira Bridge, Gandhinagar-382428. (hereinafter referred to as (Purchaser) for (hereinafter referred to as 'The Equipment'). 2. AND WHEREAS under the terms & conditions of the contract, the Contractor shall furnish Performance Security Bond for an amount of Rs. only) representing 3% of the total value of the contract in the form of a bank guarantee, in a manner herein contained duly executed by a scheduled/nationalised bank towards satisfactory performance of the contract and performance of the equipment and against any loss or damage caused to or suffered or would be caused to or suffered by the Purchaser by reason of any breach by the said Contractor(s) of any terms and conditions contained in the said agreement. The Performance Security Bond shall be valid till satisfactory completion of Defect Liability Period covering the Warranty/Guarantee period of the equipment as per the terms & conditions of the said agreement. 3. NOW WE, the___(Bank) in consideration of the promises do hereby agree and undertake to pay to the Institute for Plasma Research, (the purchaser) on behalf of the Contractor, the said sum of Rs.____(Rupees _Only), the amount due and payable under the guarantee without any demur, merely on a demand from the Institute for Plasma Research stating that the amount claimed is due by way of loss or damage caused to, or suffered by, the Purchaser by reason of any breach by the said Contractor of any of the terms and conditions contained in the said agreement or by reason of the contractors failure to perform the said agreement or by reason of unsatisfactory performance of the equipment during the Warranty period. Any such demand, made on the bank, shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs._ (Rupees only). 4. WE undertake to pay to the Purchaser the said sum of ₹ (Rupees____Only), demanded notwithstanding any dispute or disputes raised by the Contractor(s), in any suit on proceedings pending before any Court or Tribunal relating thereto, our liability under this presents being absolute irrevocable and unequivocal. The payment so made by us under this bond shall be a valid discharge of our

liability for payment thereunder and the Contractor shall have to no claim against us for

5. WE HEREBY further agree that the decision of the Institute for Plasma Research as to the amount of damages suffered by the Purchaser by reasons(s) of any breach by the said Contractor or whether the said equipment is giving satisfactory performance or not during the Warranty Period as per the terms and conditions of the said agreement, shall be final

making such payment.

6.	AND WE, the
7.	THIS guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.
8.	OUR Guarantee shall remain in force until and unless a claim under the guarantee is lodged with us within three months from the said date, all rights of the Purchaser under the guarantee shall be forfeited and we shall be relieved and discharged from all our liabilities hereunder.
9.	Notwithstanding anything contrary contained in any law for the time being in force or banking practice, this guarantee shall not be assignable or transferable by the beneficiary. Notice or invocation by any person such as assignee, transferee or agent of beneficiary shall not be entertained by the bank. Any invocation of the guarantee can be made only by the beneficiary directly.
	ted theday of202_
	r
(ın	dicate the Name of bank)

and binding on us.

ANNEXURE-V: BANK GUARANTEE FORMAT FOR RE-EXPORT/RETURN OF REJECTED FOR EQUIPMENT REPAIRS / REPLACEMENT.

(By Indian/Foreign Contractor)

Head-Purchase and Stores Department, Institute for Plasma Research On behalf of The Director, Institute for Plasma Research Bhat, Near Indira Bridge, Gandhinagar, Gujarat, India Pin- 382428

Whereas on or about the day of 20 , M/s. a company having incorporated their office at (hereinafter referred to as 'the Contractor') entered into an Contract No. dt. (hereinafter referred to as 'the Contract') with the Head-Purchase and Stores Department, Institute for Plasma Research, on behalf of the Director, Institute for Plasma Research (Hereinafter referred to as 'the Purchaser') for manufacture and supply of Nos. of (hereinafter referred to as the instrument') at a cost of (in words).
Whereas as per the terms and conditions of the Contract, the Contractor had delivered to the consignee all theNos. of instruments, out of whichNo./s. of the instrument costing(in figure and words) was found defective and not working satisfactorily after its receipt by the consignee and therefore the instrument received from the Contractor was rejected by the Purchaser.
Whereas as per the terms and conditions of the Contract, the Contractor has agreed to either repair or replace the instrument, as is deemed fit, free of cost, to the purchaser within a period ofmonths from the date of receipt of the rejected instrument by the Contractor, under the warranty conditions of the Contract.
Whereas, as per the Purchaser policy, the Contractor was required to furnish a Bank Guarantee for full value of the defective instrument/s amounting to
Whereas the Contractor, based on the Purchaser's requirement has agreed to furnish such a Bank Guarantee as a safeguard to the Purchaser interest as indicated in para 4 above, valid till the return of the repaired instruments or a replacement thereof, to the Purchaser.
Whereas, we,
We, the Bank, do hereby undertake to pay to the Purchaser, the amount due and payable under this Guarantee, without any demur, merely on a demand from the Purchase Officer, Institute for Plasma Research on behalf of the Purchaser, stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the Purchaser by reason of the Contractor either not returning the instrument duly repaired or arrange free replacement to the Purchaser and also when the instrument lie under the custody, control or possession of Contractor. Any such demand on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this Guarantee shall be restricted to an amount not exceeding(in figure and words).
o IDP D 102 vorsion 2021 2

We, the Bank, undertake to pay to the Purchaser any money so demanded notwithstanding any dispute or disputes raised by the Contractor/s or by agents in any suit or proceeding pending before any court or tribunal relating thereto our liability under this present being absolute and unequivocal.

The payment so made by us under this bond shall be a valid discharge of our liability for payment thereunder and the Contractor/s and the agents shall have no claim against us for making such payment.

And we, the Bank, hereby further agree that the decision of the said Head-Purchase and Stores Department, Institute for Plasma Research as to whether the Contractor has committed breach of any such terms and conditions of the Contract or not and as to the amount of damage or loss assessed by the said Head-Purchase and Stores Department, Institute for Plasma Research on account of such breach would be final and binding on us.

We, the Bank, further agree with the Purchaser that the Purchaser shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Contract or to extend time for performance by the said Contractor from time to time or to postpone for any time or from time to time, any of the powers exercisable by the Purchaser against the said Contractor/s and to forbear or enforce any of the terms and conditions relating to the said Contract and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said Contractor/s or for any forbearance, act or commission on the part of the Purchaser or any indulgence by the Purchaser to the said Contractor/s or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

This Guarantee will not be discharged due to the change in the constitution of the Bank, the Contractor or the agent.

Our Guarantee shall remain in force until and unless a claim under the Guarantee is lodged with us within three months from that date, all rights of the Purchaser under the Guarantee shall be forfeited and we shall be relieved and discharged from all liabilities thereunder.

Dated the	day of	202_
For		
(Indicate the Name of bank)		

ANNEXURE VI: BANK GUARANTEE FORMAT FOR RE-EXPORT OF REJECTED EQUIPMENT FOR REPAIRS / REPLACEMENT.

(By local agents of foreign Contractor)

Head-Purchase and Stores Department, Institute for Plasma Research On behalf of The Director, Institute for Plasma Research Bhat, Near Indira Bridge, Gandhinagar, Gujarat, India Pin-382428

Whereas on or about the
Whereas as per the terms and conditions of the Contract, the Contractor had delivered to the consignee all theinstrument costing (in figure and words) was found defective and not working satisfactorily after its receipt by the consignee and therefore the instrument received from the Contractor was rejected by the Purchaser.
Whereas as per the terms and conditions of the Contract, the Contractor has agreed to either repair or replace the instrument, as is deemed fit, free of cost, to the purchaser within a period ofmonths from the date of receipt of the rejected instrument by the Contractor under the warranty conditions of the Contract.
Whereas, as per the Purchaser policy, the Contractor was required to furnish a Bank Guarantee for full value of the defective instruments amounting to (in figure and words) as a safeguard to the Purchaser on account of any damage/loss that may be caused or suffered by the Purchaser due to the Contractor's inability/failure to return the instrument duly repaired or supply a new instrument in replacement of the defective instrument within the specified time and also when the instruments lie under the Contractor's. custody, control or possession. As the Indian agent has agreed to furnish the Bank Guarantee on behalf of the Principal in this Contract, M/sis required to execute the Bank Guarantee.
Whereas the Contractor, based on the Purchaser's requirement has agreed to furnish such a Bank Guarantee as a safeguard to the Purchaser interest as indicated in para 4 above, valid till the return of the repaired instruments or a replacement thereof, to the Purchaser.
Whereas, we, (the name and address of the Bank) (herein after referred to as 'the Bank'), in consideration of the Purchaser having agreed to despatch the defective instrument to the Contractor's works on freight to pay basis and Contractor having agreed to repair and return the defective instrument duly repaired or arrange free replacement of the defective instrument on freight paid /CIF basis, do hereby agree and undertake to indemnify the Purchaser and keep the Purchaser indemnified to the extent of a sum not exceeding (in figure and words) against any loss or damage that may be caused or suffered by the Purchaser by reason of the Contractor either not returning the repaired instrument or arrange free replacement within a specified time and also when the instrument lie under the custody, control or possession of the Contractor.
We, the Bank, do hereby undertake to pay to the Purchaser, the amount due and payable under this Guarantee, without any demur, merely on a demand from the Purchase Officer, Institute for Plasma Research, stating that the amount claimed is due by way of loss or damage caused to

or would be caused to or suffered either not returning the to the Purchaser and also when th of Contractor. Any such demand or and payable by the Bank under the shall be restricted to an amount	instrument duly re the instrument lie under in the Bank shall be con is Guarantee. However	epaired or arrange to the custody, contractusive as regards our liability under	ol or possession the amount due this Guarantee
We, the Bank, undertake to pay to any dispute or disputes raised by pending before any court or triburabsolute and unequivocal.	the Contractor/s or by	y agents in any su	it or proceeding
The payment so made by us under payment thereunder and the Contrus for making such payment. And we, the Bank, hereby further Stores Department as to whether and conditions of the Contract or the said Head-Purchase and Stores such breach would be final and bir	ractor/s and the Indian ragree that the decision the Contractor has con not and as to the amon s Department, Institute	agents shall have r on of the said Hea nmitted breach of unt of damage or l	no claim against d-Purchase and any such terms oss assessed by
We, the Bank, further agree with liberty without our consent and wito vary any of the terms and condition by the said Contractor from time to of the powers exercisable by the Penforce any of the terms and concrelieved from our liability by reasons aid Contractor/s or for any forbed any indulgence by the Purchaser whatsoever which under the law re of so relieving us.	ithout affecting in any ions of the said Contract time or to postpone for turchaser against the siditions relating to the in of any such variation arance, act or commission the said Contractor,	manner our obliga et or to extend time any time or from taid Contractor/s a said Contract and n or extension bein ion on the part of tays or by any such	tions hereunder for performance ime to time, any nd to forbear or we shall not be g granted to the he Purchaser or matter or thing
This Guarantee will not be discharge the Contractor/s or the agents.	ged due to the change i	n the constitution	of the Bank,
Our Guarantee shall remain in forcis lodged with us within three mor Guarantee shall be forfeited and thereunder.	nths from that date, all	rights of the Purc	haser under the
Dated the For(Indicate the Name of bank)	day of	202_	

ANNEXURE-VII: BANK GUARANTEE FORMAT FOR SUPPLY OF FREE ISSUE MATERIAL (By Indian/Foreign Contractor)

Head-Purchase and Stores Department, Institute for Plasma Research On behalf of The Director, Institute for Plasma Research Bhat, Near Indira Bridge, Gandhinagar, Gujarat, India Pin-382428

Whereas on or about the (date), the Head-Purchase and Stores Department,
Whereas on or about the (date), the Head-Purchase and Stores Department, Institute for Plasma Research, on behalf of the Director, Institute for Plasma
Research, (hereinafter referred to as the Purchaser) has entered into a Contract bearing
Nofor manufacture,
inspection, testing and safe delivery of (herein after referred to as the equipment) with M/s.
having their office at(hereinafter
referred to as the Contractor.)
And whereas in terms of the above said agreement, the Purchaser is required to supply free issue materials costing Rs as listed out in the agreement for the manufacture of the equipment at the Contractor's site, and that the Purchaser has agreed to authorise the Contractor to collect the free issue materials from the Purchaser's site subject to the Contractor furnishing a Bank Guarantee for Rs in a manner herein specified towards the safeguard of free issue materials.
Now, we(bank) in consideration of the Purchaser having agreed to authorise issue of free issue material for collection by the Contractor, hereby undertake to indemnify the Purchaser and keep the Purchaser indemnified to the extent of the full value of the free issue material till such time the materials are lying under the custody/possession/control of the Contractor and till the equipment along with balance material, if any, are received by the Purchaser after manufacture of the equipment.
We,
Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this Guarantee shall be restricted to an amount not exceeding Rs.
We,(Bank) undertake to pay to the Purchaser any money so demanded

otwithstand spute	ing or	any any	disputes pending	raised by before				suit or p Tribunal	proceeding relating
made by u	s unde	r this B	ond shall	esent being be a valid d claim again	ischarge	of our lia	bility for	payment t	
loss/destr under his	Reseauction (rch, Ga or deter y/posse	andhinaga rioration or ession/cor	o agree that r, Gujarat a r damage to atrol from w er shall be f	as to who the Pur hatever	ether the chaser's r cause aris	Contrac naterial sing as a	ctor has ca while thes	aused any e are lying
fullest libe hereunder for perform time to tim to forbear shall not l granted to Purchaser	erty with to vary nance be any corenfore relied the sail or any whatsoer	thout of any of any of the softhe porce any ved from the contraction of the contraction o	our consert of the term aid Contra owers exert of the term our liab ractors or the ence by the	gree with the and with as and concertors from reisable by respectively. The and concertified by respectively. The any forbuse the law relations and relations are successful to the successful and the succ	nout affer litions or time to the Purce additions ason of the earance or to the state of the sta	ecting in f the said ime or to p haser aga relating to any such , act or on said Contr	Agreeme postpone inst the o the sai variation ission or actors o	nner our of ent or to exe e for any time said Contraid id Agreemen on or extent on the part or by any so	obligations xtend time me or from actors and ent and we sion being of the said uch matter
	uarant stitutio			not be the Contra		scharged	due	to	change
guarantee	is lodg	ed with	n us within	l force unt n six mont ed and disc	hs from	that date	all righ	ts of the P	urchaser
	<u>:</u>			day	of			202_	
For (Indicate	the Nar	ne of h	ank)						
,222424	··ai	01 00	~)						

ANNEXURE-VIII: BANK GUARANTEE FORMAT FOR FIM (Foreign Currency Contract) (to be executed by the Indian Agent)

Head-Purchase and Stores Department, Institute for Plasma Research On behalf of The Director, Institute for Plasma Research Bhat, Near Indira Bridge, Gandhinagar, Gujarat, India Pin-382428

Whereas on or about the	ay of	200 , M/s	, a	company
having incorporated their office at_ Contractor') entered into a Contract be		(hereinafter	referred to	as 'the
Contractor') entered into a Contract be	earing No	dt	(hereinafter	referred
to as 'the Contract') with the Head-P	urchase and Sto	ores Departmer	nt, Institute for	r Plasma
Research, on behalf of the Director, Ir	stitute for Plasn	na Research (He	ereinafter refer	red to as
'the Purchaser') for manufacture and	supply of Nos	of (hereina	after referred to	as the
instrument') at a cost of	(in figures	and words). T	he Contract re	ecognises
M/s. in India.	name and addres	ss) as the Indiar	n agent of the F	rincipals
M/s. in India.				
And whereas in terms of the above sa				
issue materials costing Rs.	s listed out in the	e agreement for	the manufactu	are of the
equipment at the Contractor's site,	and that the Pu	archaser has a	greed to auth	orise the
Contractor to collect the free issue				
Contractor furnishing a Bank Guaran				
towards the safeguard of free issue m				
the Bank Guarantee on behalf of the	Principal in the	his Con tract,M	[/sis red	quired to
execute the Bank Guarantee.				
Now, we(bank) in consissue of free issue material for collect the Purchaser and keep the Purchaser issue material till such time the material the Contractor and till the equipment Purchaser after manufacture of the equipment	ion by the Cont er indemnified to rials are lying un along with balar	cractor, hereby the extent of the ender the custod	undertake to i the full value o y/possession/	ndemnify of the free control of
We,(bank) do hereby us	ndertake to par	y to the Head	l-Purchase an	d Stores
Department, Institute for Plasma Reguarantee without any demur, mere Department, Institute for Plasma Regamount claimed is due by way of los suffered by the Purchaser to the purchaser while they are lying under account of the Contractor's failure to the	Research, the a ly on a demand esearch, on beh- ess, destruction, erchaser's mater the Contractor's fulfill any of the o	mount due ar I from the Head alf of the Purc deterioration orial thereby resecution to contractual obli	nd payable und-Purchase and haser stating redamage cause ulting in a lost ession or contigations.	nder this ad Stores that the sed to or ss to the crol or on
Any such demand made on the Bank payable by the Bank under this Guara be restricted to an amount not exceed	antee. However,			

notwithstanding any dispute or any disputes raised by the Contractors in any suit or proceeding pending before any court of Tribunal relating thereto our liability under this present being absolute and unequivocal. They payment so made by us under this Bond shall be a valid discharge of our liability for payment thereunder and the Contractors shall have no claim against us for making such payments.
We,(Bank), also agree that the decision of the Head-Purchase and Stores Department, Institute for Plasma Research, Gandhinagar, Gujarat as to whether the Contractor has caused any loss/destruction or deterioration or damage to the Purchaser's material while these are lying under his custody/possession/control from whatever cause arising as also on the quantum of damage suffered by the Purchaser shall be final and binding on us.
We,
This Guarantee will not be discharged due to change in the constitution of the Bank or the Contractors.
Our Guarantee shall remain in full force until and unless a claim under the guarantee is lodged with us within six months from that date all rights of the Purchaser under the guarantee shall be relieved and discharged from all liabilities thereunder.
Dated theday of202_ For (Indicate the Name of bank)

ANNEXURE-X: FORMAT FOR HINDRANCE REGISTER

Sl. No.	From	То	Nature of Hindrances in execution of Contract	Remarks with signature of Contractor	

Annexure-XI

Self-Certification under preference to Make in India order Certificate

dated 04.06.2020	nent Public Procurement Order No. P-45021/2/2017-PP (BE-II) and its amendments, we hereby certify that we M/s are local supplier meeting the requirement of minimum
local content i.e., commissioning, testir defined in above IPR/TN/PUR/TPT/ET	are local supplier infeeting the requirement of infinitum% excluding transportation, insurance, installation, ng, training and after sales service support like AMC/CMC etc. as orders for the material against IPR Enquiry/Tender No 2/21-22/012 dated 31-08-2021. Details of location at which local value as follows:
	. as lollows
rule 175(1) (i) (h) of t can be debarred for u	false declarations will be in breach of the code of integrity under the General Financial Rules for which a bidder or its successors up to two years as per Rule 151(iii) of the General Financial Rules or actions as may be permissible under law.
Thanking You,	

ANNEXURE-XII

Annexure to Bid Form: Eligibility Declarations

(To be submitted as part of tender/Technical Bid) (on company letter head) (Along with supporting documents, if any)				
Tender No. IPR/ Tender Tile: Bidder's Name: (Address and contact details) Bidder's Reference No	- Date:			
Restrictions on procurement from Bidders fro countries under Rule 144(xi) of the General F				
"We have read the clause regarding restrictions on procurement from a Bidder of a country which shares a land border with India; and solemnly certify that we are not from such a country or, if from such a country, we are registered with the Competent Authority (copy enclosed). We hereby certify that we fulfill all requirements in this regard and are eligible to be considered."				
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 future 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 Compa	any)			

SECTION 'D':

TECHNICAL SPECIFICATIONS OFSTORES $\frac{\text{A}\underline{\text{ND}}}{\text{D}\underline{\text{RAWINGS}}}$

Please see attachment to the tender

SECTION 'E':

PRICE SCHEDULE

Please see attachment to the tender

प्लाज्मा अनुसंधान संस्थान (भारत सरकार के परमाणु ऊर्जा विभाग का सहायता प्राप्त संस्थान) इंदीरा ब्रिज के पास, भाट, गांधीनगर – 382428, भारत

दूरभाष: 079-23962020/23962021, फैक्स: 079-23962277

The tender is being issued to the shortlisted vendors against our EOI No.EOI/IPR/20-21/1 DATED 4-1-2021

ADDITIONAL CONDITIONS OF CONTRACT against IPR Tender No: IPR/TN/PUR/ET/21-22/046 Dated:16-02-2022

Following clauses are deleted in Form No. e_IPR-P-102

b) 46.2

<u>Following clause is modified in Form No. e_IPR-PUR-102</u>

7 VALIDITY OF BIDS

7.1 Bids shall be kept valid for acceptance for a period till **120 Days** from the date of **Opening**. Bids with shorter validity period shall be rejected without any notice to the bidder.

Following clauses are deleted in Form No. IPR-P-100

PART-A

- a) 7.2
- b) 7.3
- c) 20.1
- d) 22
- e) 29.1

PART-B

a) 7.2

Following clause is modified in Form No. IPR-P-100

PART-A

7.3 PERFORMANCE SECURITIES

Contractor shall furnish Performance Security Deposit in the form of bank guarantee for three percent of the value of the contract, including statutory levies, for due performance of the said contract till **acceptance** of the ordered material, as per Annexure-I within thirty days from the date of issue of contract in case of Indian Rupee contracts or within thirty days from the date of receipt of Export License by the contractor from respective Government in case of contracts having currency other than Indian Rupee, as the case may be. The Bank Guarantee shall be valid till satisfactory completion of the contract till acceptance of the ordered material, plus a claim period of sixty days from the

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completion period mentioned in the contract for lodging of claims, if any.

If the contractor fails to provide PSDBG as stated herein above, within thirty days from the date of issue of contract such failure shall constitute a breach of contract and action as deemed fit may be initiated against the contractor.

In case, the contractor fails to fulfill the obligations under the contract; the purchaser shall have the right to invoke and appropriate the PSDBG. This right shall be in addition to and without prejudice to the rights of the purchaser under the terms and conditions of contract

29.2 Ownership of the stores supplied by the contractor shall be transferred to the purchaser when the stores are delivered and accepted by the purchaser.

PART-B

7. PAYMENT TERMS

7.1.FOR CONTRACTS IN INDIAN RUPEE ONLY

- a) 10% of Item Sr.No.1 (basic price) will be paid as advance after approval of design, manufacturing drawing and MIP, submission of Bank Guarantee for an equivalent amount from State Bank of India or any Indian Nationalized/ Scheduled Banks as appearing in the second schedule of Reserve Bank of India (other than co-operative and Grameen Banks) valid till delivery of the material.
- b) 10% of Item Sr.No.1 (basic price) will be paid as advance after completion and acceptance of Stage 1 as per technical specification (refer Section-D of the tender document), submission of Bank Guarantee for an equivalent amount from State Bank of India or any Indian Nationalized/ Scheduled Banks as appearing in the second schedule of Reserve Bank of India (other than cooperative and Grameen Banks) valid till delivery of the material.
- c) 10% of Item Sr.No.1 (basic price) will be paid as advance after completion and acceptance of Stage 2 as per technical specification (refer Section-D of the tender document), submission of Bank Guarantee for an equivalent amount from State Bank of India or any Indian Nationalized/Scheduled Banks as appearing in the second schedule of Reserve Bank of India (other than cooperative and Grameen Banks) valid till delivery of the material.
- d) 60% of Item Sr.No.1 (basic price) + 100% of all other charges will be paid after receipt of material at IPR site and its verification by IPR representative and on receipt of invoice in triplicate
- e) Balance 10% of Item Sr.No.1 (basic price) will be paid within 30 days from the date of final acceptance.

Following Annexures are deleted in Form No. IPR-P-100

Following Annexures are added in Form No. IPR-P-100

Annexure-XIII (COMMERCIAL TERMS & CONDITIONS)

Vendor/ Bidder should upload the duly filled (signed and stamped) copy of commercial bid (unpriced) as per Annexure-XIII

IMPORTANT NOTE:

- 1) QUOTATIONS ARE INVITED IN INDIAN CURRENCY ONLY.
- 2) QUOTATIONS RECEIVED OTHER THAN "INR" QUOTE SHALL SUMMARILY BE REJECTED.
- 3) OFFERED PRICE SHOULD BE EXCLUSIVE OF APPLICABLE GST.
- 4) PARTIAL OFFER IS NOT ACCEPTABLE. OFFER RECEIVED FOR THE PARTIAL ITEM SHALL BE SUMMARILLY BE REJECTED
- 5) RATE MENTIONED AS "0" IN PRICE SCHEDULE SHALL BE CONSIDERED AS "WITHOUT ANY CHARGE/ FREE OF COST".

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COMMERCIAL TERMS & CONDITIONS			
IPR Enquiry/Tender No	IPR/TN/PUR/ET/21-22/046 Dated 16-02-2022		
Item Description	Design, Manufacture, Testing and Supply of Spring energized metallic seals at Institute for Plasma Research, Gandhinagar as per the detailed specifications mentioned in the tender documents		

S1. No.	PARTICULARS	REMARKS
I	Name of the Bidder	
II	Bidder Bid No & Date	
ш	Postal address	
IV	Contact with STD code	
v	Fax with STD code	
VI	Name of Contact person	
VII	Mobile No.	
VIII	e-mail ID	
IX	Currency of offer/quotation	INR
	Commercial Terms for Quoted items (Please Provide Commercial terms and conditions in the below form)	
1	Price Term for Supplies offered in Indian Currency	FOR IPR Gandhinagar
3	Goods and Services Tax: Goods and Service Tax for Supply Items only: IPR is entitled to avail GST Concessional Rate as per Ministry of Finance Notification No. 47/2017 Integrated Tax (Rate) dated 14/11/17 (for IGST) and (CGST @ 2.5% and SGST @ 2.5%) as per Notification No. 45/2017-Central Tax (Rate) dated 14/11/17 and Notification No. 45/2017-State Tax (Rate) dated 15/11/17 Confirm that in the event of issuance of GST Concessional Certificate you shall charge GST on Supply Portion @5% only Goods and Service Tax for Service items: As applicable	
4	Delivery period: Refer tender terms	

5	Installation and commissioning charges: Have you offered Installation & Commissioning Charges? (if applicable)	
6	Liquidated Damages:- Please confirm that the Liquidated Damages as per Sr. No. 10 of Form No. IPR-P-100 attached with the tender/enquiry is acceptable to you	
7	Terms of Payment:- Please confirm payment terms mentioned in the tender document is acceptable to you Refer "Annexure-IV" for details	
8	Guaranty / Warranty:- Refer tender terms	
9	Validity of offer/quotation:- Refer tender terms	
	QUESTIONNAIRE TO BE FILLED BY BIDDER IN AND SENT ALONG WITH OFFER DULY SIGNED	Accepted/ Not Accepted
10	Performance Security: In the event of a purchase order/contract vendor has to provide Performance Security (PSDBG) as per tender terms, wherever applicable shall be submitted.	
11	Free Issue Material: Successful tenderer will have to arrange insurance/ Bank Guarantee towards adequate security for the materials/property provided/issued by the Purchaser as Free Issue Material for the due execution of the contract, wherever applicable.	

Yours faithfully Bidder (Digitally signed or ink signed)

SECTION 'D':

TECHNICAL SPECIFICATIONS
OF STORES
AND
DRAWINGS

Technical Specifications of Design, Manufacture, Testing and Supply of Spring Energized C Rings

1 Subject

The aim of these technical specifications is to define the scope of work which includes design, manufacture, testing and supply of the spring energized C rings as per the requirements stipulated in this document.

2 Scope of supply

2.1 Hardware

Detailed technical specifications cover the manufacturing, testing and supply of following items listed in Table 1, which are in the scope of supply of the supplier.

Table 1- Scope of supply

S. N.	Item list	Material	Quantity	Specifications	Stage of development (refer section 4)
1	Oval shape- spring energized C ring	Inner Lining: SS Outer Lining: Aluminum Spring: SS	1	As per dimensions given in figure 1	Stage 1
2	Oval shape- spring energized C rings	Inner Lining: Copper Outer Lining: Silver Spring: Alloy 718 AND Inner Lining: SS Outer Lining: Silver Spring: Alloy 718	1	As per dimensions given in figure 1	Stage 2
3	Oval shape- spring energized C rings	Material as per stage 2	1 (as per figure 1) +1 (as per figure 2)	As per dimensions given in figure 1 and 2	Stage 3
4	Flanges for leak and pressure testing of the seals	SS 304	2	Supplier arrange required set of flanges for seal testing of and supply	Not applicable
5	Fixtures, clamps and tools	Selection to be proposed by supplier (As per agreement between IPR and supplier as per requirement)	1 set	Supplier shall propose fixtures and clamps during handling to fix and hold seal in its seat at sealing joint during assembly	Not applicable

2.2 Documentation

Along with the hardware as listed in section 2.1, following details and documents are the part of supply.

- a. Manufacturing drawings of seals (detailed dimensions with tolerances, surface finish etc.)
- b. Sealing joint configuration with details of groove, bolt size and quantity, bolt joints configuration around seal joint, torque
- c. Manufacturing and Inspection Plan (MIP)
- d. Details of the flanges required in leak and pressure testing
- e. Materials test certificates,
- f. Mechanical behavior curve showing the evolution of linear load as a function of compression for each type of seal
- g. Test procedure including equipment layout for He leak and pressure test
- h. Inspection reports (dimensional inspection, visual inspection, He leak test, surface roughness measurement, pressure test),
- i. Release note for shipment of deliverables

3 Scope of work

The scope of work includes but not limited to the following activities.

- 1. Design and develop the seals listed in table-1
- 2. Prepare manufacturing drawings of seals and flanges (to be used in seal testing), sealing joint configurations and seek approval from IPR.
- 3. Prepare manufacturing and inspection plan, covering development stages for each variant of seal and finalize it in agreement with the purchaser
- 4. Design and manufacture essential jigs/fixtures/special purpose machines (SPM) in manufacturing, handling and assembly of seals.
- 5. Design and manufacturing of handling tools/ fixture to protect seals from any damage, including tool / clamps necessary for fixing the seal on the mating flange. Fixing tool / clamp should consider the sealing joint in any orientation (horizontal, vertical etc.)
- 6. Develop metal flanges including bolting requirements for sealing joint. The flanges with bolting configuration developed will be used during He leak and pressure testing of seals. Seal joint configuration (with bolting parameters) developed for each seal type (included in scope) shall be submitted to IPR.
- 7. Procurement of raw materials as per section 6.2 of this document and its testing. The CMTR and other test reports for the procured raw material shall be submitted to IPR for approval before using in manufacturing of seals.
- 8. Manufacturing of seals, flanges and other essential tools, jigs & fixtures as per drawings & technical specifications developed in agreement with IPR.
 - 9. Record linear load as a function of compression of seal during sealing to develop mechanical behavior curve for the sealing joint (for each type of seal) to ensure guaranteed seal performance.
 - 10. Perform factory acceptance testing (specified in section 8.1) and demonstrate compliance with functional requirement of the seals to validate seal performance.
 - 11. The scope of work includes manufacturing as many seals of each variant, as required until the functional performance is demonstrated to the satisfaction of IPR.

- 12. Scope include supply of one each variant (as per figure 1 and 2) of seal at the end of development cycle
- 13. Submit set of documents prepared during execution of scope of work, to IPR
- 14. Cleaning, packaging, forwarding and transport of deliverable items for Safe delivery including unloading at ITER-India Lab, IPR, Bhat, Gandhinagar.

4 Stages of work

Development of spring energized C rings is divided into three stages:

Table 2 Stages of Work

Stages	Development of seals	Acceptance tests	Conditions
Stage	Development of first set of seals	Functional Performance	After demonstration
1	with following material	tests as per section 8	of functional
	combinations:		performance in
			compliance with the
	Inner Lining: SS		specified
	Outer Lining: <i>Aluminium</i>		requirements, move
	Spring: SS		to second stage
Stage	Development of second set of		Seal variant which
2	seals with material combinations:		qualifies functional
	1.		performance after
	Inner Lining: SS		satisfactory testing
	Outer Lining: Silver		complying details in
	Spring: Alloy 718		section 8.1 shall be
			selected for third
	2.		stage
	Inner Lining: Copper		
	Outer Lining: Silver		
	Spring: Alloy 718 (grinded)		
Stage	Seals in required quantity (as per	Visual inspection (to see	Seals would be
3	table-1) shall be produced with	any surface anomaly	accepted as they
	qualified materials, following	(dent/crack/scratches, etc.	qualify the
	procedures which are developed	Which may affect	acceptance tests
	and established in stage 2.	functional performance);	
		Dimensional check	

5 Mechanical characteristic curve

Mechanical behaviour of C rings in seal assembly for each listed material combinations, shall be assessed by capturing data of linear load as a function of compression during development stages. The captured data will be presented in the form of graph (curve) showing the evolution.

6 Technical requirements

Detailed description of the seals and flanges is given below:

- a) Material of all variants of the seal assembly and flanges are specified in section 2.1, table 1. Material requirements are specified in section 6.2.
- b) The dimensions and surface finish of the groves / sealing surfaces in the flanges to accommodate seals to meet the desired He leak tightness shall be specified by supplier and conveyed to IPR.

6.1 Dimensional requirements

6.1.1 Oval shape-spring energized C rings

Overall dimensions of oval shaped-spring energized C ring seals are provided in figure 1 & 2. Proposed cross section of the C-ring is ~10 mm. However, supplier shall assess and propose the cross section dimensions of the C-rings for sealing requirements stipulated in the document.

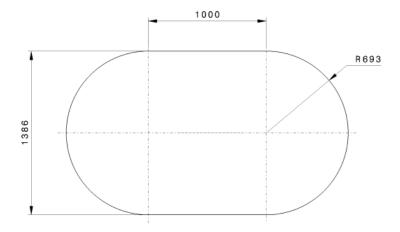


Figure-1: Oval shape-spring energized C-ring_1

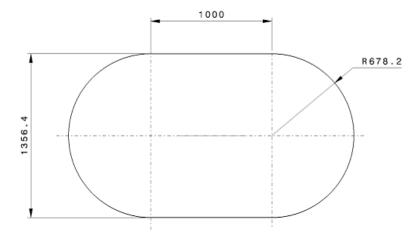


Figure-2: Oval shape spring energized C-ring_2

6.2 Material Requirements

6.2.1 General

It is supplier's responsibility to ensure the certificates of chemical analysis and mechanical test results of the raw material meet with the required standards. Supplier shall carry out additional tests, for parameters which are not available in the CMTR. Raw material shall be free from cracks, fissures, pits, lamination or any other defects.

6.2.2 SS 304 for flanges

The metallic items, made up of SS 304, specified in this document shall be made either from plate/sheet or forging.

SS 304 Plates/Sheets shall comply with ASTM A240 while forgings shall comply with ASTM A 182 standards.

Supplier shall submit the test certificate for the material SS304 required chemical composition, physical properties, and ultrasonic examination reports confirming ASTM A240 /ASTM A182, whichever is applicable.

6.2.3 Material for seals

Appropriate grade in suitable heat treatment condition of Aluminium, Copper, SS, Silver and alloy 718 shall be proposed by the supplier to IPR for approval. Supplier shall provide details of heat treatment performed and its finish of the material used in manufacturing seal

7 Estimated Duration

The scope of work detailed in this document covering items listed in table 1, and specified in section 2.2, shall be completed by supplier within 22 months from the date of placement of procurement contract. Review / approval of documents submitted by the vendor to IPR shall be accomplished in not more than 15 working days.

Table 3: Work Schedule

Sr. No.	Task	Delivery Schedule
1.	Placement of procurement order	ТО
2.	Submission of manufacturing drawing along with MIP	T0 + 1.5 months
3.	Stage -1	T0 + 12 months
4.	Stage -2	T0 + 16 months
5.	Stage -3	T0 + 20 month
6.	Delivery to IPR Site	T0 + 22 months

8 Acceptance Requirements

8.1 Factory Acceptance Testing (FAT)

Each stage detailed in table-1 includes testing after manufacturing of seal is completed. Supplier shall offer the seal testing for inspection, testing leading to the acceptance by purchaser to enable to progress to next stage of procurement. IPR representative shall participate in the factory acceptance testing (FAT). Details of FAT shall be marked in MIP with applicable hold points. At least one-week prior notice shall be given to purchaser to plan participation in FAT for witness. Reports of stage wise inspection and testing performed during various manufacturing shall be made available during FAT.

8.1.1 Visual Inspection

All finished metallic parts shall be checked visually to check they are free from any surface defects.

The seals shall be checked thoroughly for any surface abnormality (dent/crack/scratch) which may lead to deterioration in sealing performance of the seal.

8.1.2 Dimensional inspection

Dimension inspection is performed at each manufacturing and assembly step. The Dimensions shall conform to corresponding values of approved drawings. Before moving to next step dimension report shall be submitted to IPR for review and approval. Step wise dimension inspection, procedure, list of instruments shall be proposed by the supplier in MIP and after mutual agreement with IPR, inspections shall be performed and recorded in specific format.

8.1.3 He Leak Test

The seals shall be subjected to He leak testing. Acceptance criteria for individual leak rate shall be with value $\leq 1 \times 10^{-9}$ mbar.l/s; global leak rate with value $\leq 1 \times 10^{-8}$ mbar.l/s.

Following requirements of testing shall be followed by supplier:

- a) The He leak test procedure shall be proposed by supplier and after mutual agreement with IPR, the supplier shall perform tests.
- b) For each type of testing, document shall be prepared presenting the equipment layout including mechanical set-up of the assembly, detailing parameters of base pressure, calibration of equipment etc. The test results shall be filled in the tests report in the format agreed with purchaser to record the necessary testing details including measured leak rate.
- c) In case of test result do not comply with the acceptance norms, supplier shall submit a recovery procedure to purchaser and after mutual agreement supplier shall proceed with next course of action agreed upon.

8.1.4 Pressure Test

a. Applicable Specification

ASME Boiler and Pressure Vessel Code Sec VIII Div.2 / equivalent

b. Bidder's Responsibility

- Bidder is responsible for confirming and controlling the pressure testing task to ensure compliance with prescribed procedure of applicable standards and codes.
- Bidder shall communicate his readiness for pressure testing to purchaser at least seven (7) days advance to participate and witness testing.

c. Documentation

Bidder shall submit a detailed pressure testing procedure (which fulfilling the requirements of this specification) and applicable code requirements to purchaser for approval prior to pressure testing.

For pressure testing of each seal variant, document shall be prepared presenting the equipment layout including mechanical set-up of the assembly, detailing parameters of pressure, calibration of equipment etc.

The test results shall be filled in the tests report in the format agreed with purchaser to record the necessary testing details.

Bidder shall prepare report of pressure test at the end of testing for each seal variant.

d. Verification Prior to Pressure Testing

Test components upon completion of manufacturing and assembly shall be checked / verified by supplier in agreement with purchaser to ensure following:

- Manufacturing and assembly is complete except operations that cannot be performed prior to the testing.
- All MIP listed examinations, inspections and tests including NDT and specified heat treatments (as applicable) are completed and verified / accepted
- All Inspection identified in Review, Witness and Hold points in Manufacturing Inspection Plan have been performed, reported and accepted.

e. Safety Precautions

Pressure Test shall be carried out in isolated place from work area / pit with mandatory safety precautions and equipment stipulated in standards and codes. Personnel involved in the test procedures shall have necessary qualification / certification

Before initiating the pressure test, the test equipment and accessories shall checked for their certification / calibration be inspected.

All the local safety norms shall be followed by supplier in agreement with purchaser while performing / witnessing the pressure testing.

f. Pressure Testing General Requirements

• Component to be tested:

Metal seal assembly

Type of pressure test

(At least) 1 min. at P_{TEST}

• Test Procedure

With reference to standard: ASME Boiler and Pressure Vessel Code Sec VIII Div.2

/ Equivalent. Reference standard followed shall be in agreement between purchaser and supplier.

Pressure test media

Pressure test shall be performed using Nitrogen gas.

• Test Temperature

The pressure test shall be performed at room temperature.

Test Pressure

 $P_{TEST} = 2 \text{ bar (abs)}$

- Pressure Gauge
- ✓ Location –

Pressure gauge used in testing shall be connected directly to the test component. If the indicating gauge is not visible to the operator controlling the pressure applied from a safe location, an additional (indicating) gauge shall be arranged such that, its readings are visible to the operator and inspector throughout the test duration. It is recommended that a recording gauge be used in addition to the indicating gauge.

✓ Range –

Dial indicator of pressure gauges used in testing shall be graduated over a range of about two times the maximum intended test pressure, but in no case shall the range be less than 1.5 times nor more than four times the intended test pressure.

Digital reading pressure gauges having a wider range may be used provided the readings give the equivalent or greater degree of accuracy to dial pressure gauges.

✓ Calibration

All gauges shall be calibrated and supplier shall produce calibration certificate to IPR representative.

g. Pressurization and Preliminary check

Pressure in the test circuit shall be increased steadily until a pressure gauge reading attains pressure value half of the test pressure. At this stage a preliminary check to ensure integrity of installation, sealing & opening etc. is made. After noting integrity of test circuit, pressure shall be further increased gradually until the gauge reading indicates test pressure is attained. Test circuit pressure is held for prescribed test

duration before, it is released. The test circuit is checked again at the end of pressure test for any leakage and the observations are recorded.

h. Inspection and Testing

Seal joint shall be inspected visually to check for leakage and permanent deformation at joint and connections.

If leakages are noticed, necessary repairs shall be made (following approved procedures) and seal joints are retested.

The inspector shall reserve the right to reject the Pressure test program if there are any visible signs of permanent distortion and deformation.

Bidder should arrange for remote monitoring of pressure testing considering safety aspects.

i. Pressure Test record

Bidder shall record following data of pressure test in the report format and submit to the purchaser.

- Identification of Parts / assembly being tested;
- Calibration status of measuring instruments / test equipments;
- Test condition;
- Test pressure;
- Test duration;
- Test Fluid and temperature;
- Test Result:
- Date of Pressure Test:
- Detail of witnessing authority;
- Reference of the Test Procedure followed.

Note: He leak test, as per section 8.1.3 shall be carried out before and after the pressure test is performed and results are recorded with mention of pressure test id.

Summary of FAT tests:

Table 4FAT summary

S.No.	FAT	Acceptance Criterion	
1	Visual	No any surface abnormality (dent/crack/scratch) which	
		may impact the performance of seal	
2	Dimensional	As per approved manufacturing drawings	
3	He leak test	For local leak rate $\leq 1 \times 10^{-9}$ mbar.l/s; global leak rate ≤ 1	
		x 10 ⁻⁸ mbar.l/s	
4	Pressure test	Pressure test for 1 min at 2bar(abs) with no pressure drop	
		and deformation to the test set up shall be observed	

IPR representative shall witness all above specified factory acceptance tests.

Only after positive results of the Factory Acceptance Tests satisfying the conformance with the requirements as set out in this document, the transport and delivery of manufactured items shall be done by supplier.

Acceptance of the tests results and certificates does not relieve the Supplier of the responsibility for compliance with all the contractual requirements.

If any of the Factory Acceptance Tests prescribed in the present specification reveals a defect or a fault of the components, the Supplier shall perform a timely and effective repair or shall guarantee the replacement of the faulty deliverable free of charge, managing the repair or replacement by means of a proper non conformity management procedure.

Factory acceptance testing / test parameter results to be noted and recorded / acceptance criteria.

Note:

All required instruments, equipment, fixtures, clamps and tools required in testing and inspection during factory acceptance testing, detailed above shall be arranged by supplier.

8.2 Site Acceptance Test

After delivery of components at IPR's Site, the supplier shall unpack the items. Unloading is under supplier's scope and the necessary arrangements for unloading shall be managed by the supplier. Supplier shall open the delivery boxes, unpack the delivered items included in the scope of supply items and will inspect physical state and condition of the packing, the items supplied for possible damage during transportation in presence of the purchaser.

Final Site Acceptance Tests (SAT) include the following activities

- Visual inspection of the physical state of the packing for possible damage during transit.
- Visual inspection of the seal assembly to assess cleanliness.
- Visual and dimensional inspection of seals and other metallic items to assess any distortion to the finished dimensions and any surface abnormality (dent/crack/scratch) during transit which may impact seal performance.

Summary of SAT tests:

Table 5SAT summary

S.No.	SAT	Acceptance Criterion			
1	Visual inspection of the	No physical damage of packaging during transit			
	physical state of the packing	shall be observed			
2	Cleanliness of the seals and	The surfaces shall be free from dust, dirt or grease.			
	other metal items	Same would be checked using white lint free cloth.			
3	Visual and dimensional	The seals and other delivered metallic items as per			
	inspection of seals and other	table 1 shall be intact and free from any abnormality			
	metallic items	(dent/crack/scratch) during transit which may impact			
		seal performance			

During SAT prescribed here in these specifications, if any defect due to a fault or damage during transit is noticed, the Supplier shall perform defect assessment and take up necessary steps in agreement with IPR representative. If defects noticed are beyond repairs, supplier shall provide replacement of the defective / faulty items / component assembly free of charge, following non conformity management procedure established in agreement with the purchaser.

After satisfactory results of all the Site Acceptance Tests, delivery of set of all contractual documentation; IPR reviewed documents and metallic components of developed seal assembly will be finally accepted.

9 Packaging and Transportation

After FAT all deliverable components, assemblies and tools, shall be packed in new, clean, sealed polythene bags.

Special purpose handling tools (as per need), shall be used in lifting and handling the seals to avoid the damage to the seals. These tools and fixtures shall be supplied to IPR.

After suitably packing, the C rings shall be placed in purpose-built plywood containers to avoid damage during transit and to provide medium term storage (up to 2-3 months) on delivery site. Desiccant elements shall be placed in the package. On the packing boxes references to the inside contents and other related information English language shall be shown, including at least:

- Package box content description;
- Packing / box / item Dimensions;
- Weight; Net and Gross / individual item
- Centre of gravity;
- Lifting Points and lifting orientation

Transport to Site

1. The deliverable items (as per table 1) shall be delivered and unloaded at the following address:

Institute for Plasma Reasearch
DNB Lab, ITER-India building, Institute for Plasma Research (IPR)
Bhat, Ghandhinagar - 382428
Gujarat, India

10 Deliverables to IPR

The exhaustive list of physical deliverables as per section 2 is reiterated in table below.

S. No.	Item list	Material		Quantity	Specifications	Delivery time line
1	Tested and used		Lining:	1	As per dimensions given	
	Stage 1	SS			in figure 1 (prior to	delivery

	Oval shape- spring	Outer Lining: Aluminium		testing)	of stage 1 and
	energized C ring seal	Spring: SS			stage 2 seals is
2	Tested and used	1.	1	As per dimensions given	not
	Stage 2	Inner Lining:		in figure 1 (prior to	required.
	Oval shape-	SS		testing)	
	spring	Outer Lining:			
	energized C	Silver			Supplier
	ring seal	Spring: Alloy 718			shall
					send all
		2.			the
		Inner Lining:	1		deliverab
		Copper			les to
		Outer Lining:			IPR after
		Silver			stage 3
		Spring: Alloy 718			completi
		(grinded)			on
3	Stage 3 Oval	Qualified	1 (as per	As per dimensions given	
	shape-spring	Material as per	figure 1)	in figure 1 and 2	
	energized C	stage 2 of section	+1 (as		
	rings	4	per		
			figure 2)		
4	Flanges for leak	SS 304	2	Supplier shall design and	
	and pressure			manufacture the required	
	testing of the			flanges (of SS 304) for	
	seals			leak and pressure testing	
				of seals	
5	Fixtures, clamps	Selection	As per	Supplier shall propose	
	and tools	proposed by	agreeme	fixtures and clamps based	
		supplier	nt	on requirement to fix and	
			between	hold seals in their seat at	
			IPR and	sealing joint during	
			supplier	assembly	

11 Access to manufacturing place

Access to manufacturing site of supplier as well as their sub-contractors shall be provided to IPR's representatives during in process and final inspection of the deliverables.

Technical Compliance Sheet

Clause no. of	IPR's requirements(bidder must refer the	Bidder's Specifications
Technical	complete clause in the technical specifications	/Confirmation/Compliance
Specifications	document and accordingly respond)	to the requirements
2	Scope of Supply	
3	Scope of Work	
4	Stages of Work	
5	Mechanical Characteristic Curve	
6	Technical Requirements	
7	Estimated duration	
8	Acceptance Requirements	
9	Packaging and Transportation	
10	Deliverables to IPR	
11	Access to Manufacturing Place	

SECTION 'E':

PRICE SCHEDULE







Item Rate BoQ

Tender Inviting Authority: Head-Purchase Section

Name of Work: Design, Manufacture, Testing and Supply of Spring energized metallic seals at Institute for Plasma Research, Gandhinagar as per the detailed specifications mentioned in the tender documents

Tender No: IPR/TN/PUR/ET/21-22/046 dated 16/02/2022

	T					
Name of the						
Bidder/ Bidding						
Firm / Company						
(This BOQ te	emplate must not be modified/replaced by the bidder tender. Bid	and the same s				lse the bidder is liable to be rejected for this
NUMBER #	TEXT #	NUMBER#	TEXT #	NUMBER #	NUMBER #	TEXT #
SI. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder in Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
1	2	4	5	13	53	55
1	Design, Manufacture, Testing and Supply of Spring energized metallic seals at Institute for Plasma Research, Gandhinagar as per list of deliverables in section 10 of technical specifications metioned in the tender documents	1.000	Set			INR Zero Only
Total in Figures					0.00	INR Zero Only
Quoted Rate in \	l Nords	INR Zero Only				