

**GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
VIKRAM SARABHAI SPACE CENTRE (VSSC)
THIRUVANANTHAPURAM**

Tender for Sintering Furnace

Bids to be submitted online

Tender No.: VSSC/PURCHASE UNIT III (SPRE)/VS202100227601 dated 30-08-2021

A. Tender Details

Tender No :	VSSC/PURCHASE UNIT III (SPRE)/VS202100227601
Tender Date :	30-08-2021
Tender Classification:	GOODS
Purchase Entity :	PURCHASE UNIT III (SPRE)
Centre :	VIKRAM SARABHAI SPACE CENTRE (VSSC)

Supply, installation, commissioning and demonstration of Sintering Furnace

This tender is proposed as a DOMESTIC PUBLIC TENDER. This tender is restricted only to Class-I and Class-II Local Suppliers as defined under DPIIT Order dtd 04/06/2020- Preference to Make in India Order-2017 Revision. Non-Local Suppliers need not quote.

Foreign OEMs/Agents quoting on behalf of Foreign OEMs are not permitted to quote. High Sea Sales Quotes not permitted. The bids shall be in INR only.

Tenderers are advised NOT TO UPLOAD any documents revealing the price of the main equipment, accessories, spares or AMC. They are however, requested to upload UNPRICED BIDS (i.e. Price details masked) showing appropriate break-up of components of main equipment, individual accessories and spares as desired.

This is a TWO-PART tender i.e. Techno-Commercial Bid (Part-I) and Price Bid (Part-II) shall be submitted separately. All technical and commercial terms and conditions shall be furnished in the Techno-Commercial Bid while price shall be indicated only in the Price Bid. Uploading price details anywhere else other than the price-bid shall lead to unconditional rejection of the tender. Please make note of the same.

Purchase preference to eligible vendors are applicable as per extant notifications issued by the Government of India.

The Class-I/Class-II Local suppliers, at the time of submitting their offer, shall also indicate percentage of local content and provide self-certification that the item (s) offered meets the local content requirement for Class-I/Class-II Local Suppliers as the case may be. They shall also give details of location (s) at which the local value addition is made.

In cases if the item(s) offered exceed Rs. 10 Crores, the Class-I/Class-II Local Suppliers shall provide a Certificate from the statutory auditor or cost auditor of the company (in case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.

False Declarations will be in breach of the Code of Integrity under Rule 175 (1) (i) (h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule

151 (iii) of the General Financial Rules along with such other actions as may be permissible under law. Technical Bids will be opened at the scheduled due date & time. No further intimation will be sent in this regard. The schedule for price bid opening shown is only indicative. Price bids will only be opened in the case of parties who have been techno-commercially accepted, the details of which will be communicated at a later stage.

A.1 Tender Schedule

Bid Submission Start Date :	31-08-2021 12:00
Bid Clarification Due Date :	16-09-2021 17:00
Bid Submission Due Date :	30-09-2021 14:00
Bid Opening Date :	30-09-2021 14:01
Price Bid Opening Date :	12-10-2021 14:00

B. Tender Attachments

Technical Write-up/Drawings

Document : Technical Specifications

Instructions To Vendors

2. Instructions to Vendors

1. This is an E Tender. Hence Postal/Fax/Email tenders will not be accepted.
2. Last minute clarification on tenders will not be entertained.
3. This tender is proposed as a DOMESTIC PUBLIC TENDER. This tender is restricted only to Class-I and Class-II Local Suppliers as defined under DPIIT Order dtd 04/06/2020- Preference to Make in India Order-2017 Revision. Non-Local Suppliers need not quote.
4. Foreign OEMs/Agents quoting on behalf of Foreign OEMs are not permitted to quote. High Sea Sales Quotes not permitted. The bids shall be in INR only.
5. Tenderers are advised NOT TO UPLOAD any documents revealing the price of the main equipment, accessories, spares or AMC. They are however, requested to upload UNPRICED BIDS (i.e. Price details masked) showing appropriate break-up of components of main equipment, individual accessories and spares as desired.
6. This is a TWO-PART tender i.e. Techno-Commercial Bid (Part-I) and Price Bid (Part-II) shall be submitted separately. All technical and commercial terms and conditions shall be furnished in the Techno-Commercial Bid while price shall be indicated only in the Price Bid. Uploading price details anywhere else other than the price-bid shall lead to unconditional rejection of the tender. Please make note of the same.
7. Purchase preference to eligible vendors are applicable as per extant notifications issued by the Government of India.
8. The Class-I/Class-II Local suppliers, at the time of submitting their offer, shall also indicate percentage of local content and provide self-certification that the item (s) offered meets the local content requirement for Class-I/Class-II Local Suppliers as the case may be. They shall also give details of location (s) at which the local value addition is made.

9. In cases if the item(s) offered exceed Rs. 10 Crores, the Class-I/Class-II Local Suppliers shall provide a Certificate from the statutory auditor or cost auditor of the company (in case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.

10. False Declarations will be in breach of the Code of Integrity under Rule 175 (1) (i) (h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

11. Technical Bids will be opened at the scheduled due date & time. No further intimation will be sent in this regard. The schedule for price bid opening shown is only indicative. Price bids will only be opened in the case of parties who have been techno-commercially accepted, the details of which will be communicated at a later stage.

C. Bid Templates

C.1 Technical Bid - Sintering Furnace

1. SPARES FOR VACUUM SINTERING FURNACE

Sintering Furnace

Item specifications for SPARES FOR VACUUM SINTERING FURNACE

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Configuration	Front loading, horizontally mounted double walled water cooled	Yes / No / Explain		
2	Effective hot zone (This is the size of the job to be heated with uniform temperature)	200mm Width x 200mm Height x300mm Depth (minimum)	Yes / No / Explain		
3	Heating Element & Heat insulation	High density Graphite& Graphite felt	Yes / No / Explain		
4	Operating Temperature	1650 deg C	Yes / No / Explain		
5	Maximum temperature	1700 deg C	Yes / No / Explain		
6	Soaking time at1650 °C	10 Hrs	Yes / No / Explain		
7	Temperature control	Programmable PID controller and Thyristor power controller	Yes / No / Explain		
8	Heating Rate	1 to 5°C/minute	Yes / No / Explain		
9	Operation atmosphere	Furnace should be designed to operate in controlled atmosphere under argon gas pressure up to 200mbar (g) after evacuation of 0.1mbar.	Yes / No / Explain		
10	Vacuum level	0.1 mbar or better	Yes / No / Explain		
11	Power Supply	415±15 V 50 Hz 3 phase AC supply	Yes / No / Explain		

Common Specifications (Applicable for all items)

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	Detailed specification	Attached	Yes / No / Explain		

Supporting Documents required from Vendor

- 1. Detailed list of documents are enlisted in the technical specification document**
- 2. Any software developed/ procured for operation of the equipment should be supplied to VSSC in installable CD with license and source code.**
- 3. Certificate of calibration of all indicating and control instruments, thermocouples should be provided from calibrating agencies those have traceability to national standards.**
- 4. Brochures/Catalogues of company with details**
- 5. Unpriced Bid showing the split up of main equipment, accessories, essential spares as applicable**
- 6. Detailed Techno commercial offer(without price details)**
- 7. Unpriced AMC Quote in Split-up format for each year required.**
- 8. Unpriced list of essential/ optional spares for 5 years maintenance.**
- 9. Declaration regarding the percentage of local content (or value addition) in the item offered.**
- 10. Detailed Compliance Matrix vis-a-vis the item specification in tenders.**
- 11. Additional Documents from Vendor.**

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	Detailed terms and conditions are enlisted in the technical specification	Yes / No / Explain	
2	The party should supply, install, commission and demonstrate the performance of furnace at VSSC, Trivandrum. During installation & commissioning at VSSC, the party has to bear all the costs related to the personnel.	Yes / No / Explain	
3	The performance of the equipment should be warranted for a period of minimum two years from the date of acceptance. Any spares required during the warranty period should be supplied free of cost.	Yes / No / Explain	
4	The Class-I & II local supplier should provide a Self Certification along with your offer in PDF format indicating that the item offered meets the minimum local content as called for in the tender as mentioned above and provide the % of local content along with details of the location(s) at which the local value addition is made. In case of two part tenders, it is mandatory to indicate compliance to MLC(minimum local content) in technical bid itself. Confirm attachment of Self declaration along with the offer.	Yes / No / Explain	
5	PO Ordering Address with Name and Contact Details of Sales Person concerned (e-mail and phone number).	Yes / No / Explain	
6	Any Other Terms	Yes / No / Explain	
7	Taxes and other costs, if any . [Note: VSSC is a Public Funded Research Institution under the administrative control of Department of Space and is eligible for partial exemption of IGST @5% vide Notfn No. 45/2017, 47/2017 dt 14.11.2017 respectively. Necessary IGST EXEMPTION CERTIFICATE shall be issued.]	Yes / No / Explain	

8	Security Deposit (Applicable if Offer Value is Rs. 5 Lakhs or above. MSME/NSIC Units are NOT EXEMPTED from the payment of SD. Bank Guarantee @ 3% of Order Value valid till 60 days from the date of supply to be submitted. Mandatory compliance required. Only Government Bodies/PSUs/PSEs can submit Indentity Bond in lieu of BG. In the event of non-performance of contractual obligations, SD will be forfeited).	Yes / No / Explain	
9	Delivery Terms.	Yes / No / Explain	
10	Delivery Period	Yes / No / Explain	
11	Liquidated Damages (Applicable beyond the delivery period mentioned in this tender @ 0.5% per week or part thereof on the undelivered portion subject to a maximum of 10% of the contract value. Mandatory compliance required).	Yes / No / Explain	
12	Warranty	Yes / No / Explain	
13	Performance Bank Guarantee (PBG) Bank Guarantee @ 3% of Order Value valid till the completion of warranty period plus 2 months claim period to be submitted. Mandatory compliance required. Only Government Bodies/PSUs/PSEs can submit Indemnity Bond in lieu of BG. In the event of non-performance of warranty obligations, PBG will be forfeited).	Yes / No / Explain	
14	Payment Term: (Our Defalut payment term: For indigenou orders: 100% within 30 days after receipt and acceptance of item at our site. For import cases: 100% by Sight Draft with Bank Charges to respective accounts. NOTE: CONSEQUENT TO COVID 19 PANDEMIC AND AS PER EXTANT GUIDELINES FROM DEPARTMENT OF SPACE, NO ADVANCE PAYMENT IS PAYABLE TO THIS TENDER).	Yes / No / Explain	

15	<p>Definitions: A supplier or service provider, whose goods, services or works offered for procurement, has local content:</p> <p>a) Equal to or more than 50% : Class-I local supplier.</p> <p>b) More than 20% but less than 50% : Class-II local supplier.</p> <p>c) Less than or equal to 20% : Non-local supplier.</p> <p>Mention your category.</p>	Yes / No / Explain	
16	<p>Local content means the amount of value added in India (i.e. indigenous items/services added in the offered products/services/works) be the total value of the item offered (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties/IGST) as a proportion of the total value (excluding net domestic indirect taxes), in percent. Indicate extent of Minimum Local Content in offered product/service and location of such value additions.</p>	Yes / No / Explain	
17	Validity	Yes / No / Explain	
18	<p>Acceptance to provide Non-Comprehensive AMC for a period of 5 years after the completion of warranty period. AMC cost shall only be mentioned in the specific slot in price bid.</p>	Yes / No / Explain	
19	<p>List of essential spares for the trouble free operation of the equipment to be uploaded (without price details). Details of optional spares may also be provided (without price details).</p>	Yes / No / Explain	
20	<p>Kindly ensure that NO DOCUMENTS WITH PRICE DETAILS ARE UPLOADED. Price shall only be mentioned in the price bid. Uploaded documents with price details shall summarily be rejected.</p>	Yes / No / Explain	
21	<p>Ensure you are a Class-I Local Supplier/ Class-II Local Supplier. The offer shall be in INR only. Bids from foreign OEMs and offer on High Sea Sales basis are not allowed. Please mention the category of the bidder.</p>	Yes / No / Explain	
22	<p>This order will be the supply, installation, commissioning and demonstration of Sintering Furnace . Kindly confirm</p>	Yes / No / Explain	

C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
1	SPARES FOR VACUUM SINTERING FURNACE Sintering Furnce	1.00 Nos.		-		

Common charges (Applicable for all items)

Annual Maintenance Contract Charges	
Optional Spares Cost (lumpsum)	
Any Other Charges	
Essential Spares Cost (lumpsum)	
Packing and Forwarding Charges	
Freight charge	
Installation & Commissioning Charges	