

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

**Tender for Test set up for thermal cracking studies on hydrocarbon  
fuels**

**Bids to be submitted online**

**Tender No.: VSSC/PURCHASE UNIT III (SPRE)/VS202100018001 dated 30-03-2021**

## A. Tender Details

|                        |   |
|------------------------|---|
| Tender No :            | <b>VSSC/PURCHASE UNIT III (SPRE)/VS202100018001</b> |
| Tender Date :          | <b>30-03-2021</b>                                   |
| Tender Classification: | <b>GOODS</b>  |
| Purchase Entity :      | <b>PURCHASE UNIT III (SPRE)</b>                     |
| Centre :               | <b>VIKRAM SARABHAI SPACE CENTRE (VSSC)</b>          |

### Procurement of Test set up for thermal cracking studies on hydrocarbon fuels

Procurement of Test set up for thermal cracking studies on hydrocarbon fuels. 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. Only online tenders will be accepted. No manual/Postal/e-mail/Fax offers will be entertained. Foreign vendors are not permitted to quote. Only Class-I and Class-II Local suppliers as per Make in India Policy are eligible to participate in the bid.

a. The percentage of local content should be specifically mentioned in the offer, without which it will be summarily rejected.

b. Preference will be given to Class-I Local Supplier and in their absence, Class-II Local Supplier will be considered.

3. Last minute clarification on tenders will not be entertained.

#### A.1 Tender Schedule

|                              |                         |
|------------------------------|-------------------------|
| Bid Submission Start Date :  | <b>30-03-2021 12:00</b> |
| Bid Clarification Due Date : | <b>28-04-2021 10:30</b> |
| Bid Submission Due Date :    | <b>06-05-2021 14:00</b> |
| Bid Opening Date :           | <b>06-05-2021 14:01</b> |
| Price Bid Opening Date :     | <b>03-06-2021 14:00</b> |

## **B. Tender Attachments**

### **Technical Write-up/Drawings**

**Document : Compliance Matrix**

**Document : Technical Specifications and Scope of Supply**

### **Instructions To Vendors**

#### **3. Specific Terms and Conditions to Tender (detailed)**

1. The other attached forms are our standard terms and conditions, which are to be complied with. If any conflict arise between the specific terms and standard terms, then in those cases, the specific terms will prevail over the standard terms.
2. Where agents participate in a tender;
  - (a) Either the Indian agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender.
  - (b) If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product.
3. Wherever samples are required to be submitted along with the quotation, offer without sample will not be considered.
4. If any bidder submits forged / false document along with the tender, offer of such vendors will be summarily rejected and such bidders will be blacklisted for all future tenders.
5. In order to avail of the benefits extended to by Govt. of India to the Micro and Small Sectors, please submit attested copy of the valid Entrepreneur Memorandum Part-II signed by the General Manager, District Industries Centre / Udyog Adhar / NSIC Registration Certification along with your offer.
6. Note: SD, LD and PBG clauses are mandatory and offers of the vendors who have not agreed for the above conditions will be excluded from the procurement process. Micro and Small Vendors are not exempted from the submission of Security Deposit. Only Govt Departments/PSUs/PSEs can submit Indemnity Bond instead of Bank Gurantee towards SD/PBG.
7. Security Deposit: Wherever the offer value is Rs. 5.00 Lakhs or above, the successful tenderer should submit Security Deposit @ 3% of the order value by way of Bank Guarantee / FD Receipt. The Bank Guarantee shall be obtained from any Scheduled Bank on Rs.200/- Non Judicial Stamp Paper

and should be valid beyond 2 months from the completion of all contractual obligations. If the Contractor is called upon by the Purchaser to deposit, Security and the Contractor fails to provide the security within the period specified, such failure shall constitute a breach of the Contract, and the Purchaser shall be entitled to make other arrangements for the re-purchase of the stores Contracted at the risk of the Contractor. In case if Security Deposit is submitted and the contractor fails to execute the order, then the security deposit will be forfeited.

8. Performance Bank Guarantee: Wherever products offered carry warranty, the warranty should be for one year or as per manufacturers standard warranty term. Against such cases, please confirm submission of Performance Bank Guarantee. The Performance Bank Guarantee should be for 3% of the order value covering the warranty period obtained from any Scheduled Bank on Rs.200/- Non Judicial Stamp Paper and should be valid beyond 2 months from the completion of the warranty period. Alternately vendors can request for withholding 3% payment till completion of the warranty period.

9. Liquidated Damages: The delivery period quoted should be realistic. The delivery period so quoted and mentioned in the order is the essence of the order/contract. In case of delay in delivery of material as per the delivery schedule, Liquidated Damage @ 0.5% per week or part thereof on the undelivered portion subject to a maximum of 10% of the contract value shall be levied. Wherever, installation and commissioning is also involved, the supply will be deemed to have been completed only when the entire Stores is supplied, installed and accepted.

10. Our standard payment term is 100% within 30 days for indigenous orders and Sight Draft for foreign orders.

11. In case of Foreign/Import Tenders:

- a.The bidder shall clearly mention the full ordering address in capital letters.
- b.The bidder shall clearly mention their bankers address including their SWIFT code compulsorily.
- c.Any change of address shall be compulsorily supported by Documentary proof issued either by Governmental agencies or by Chamber of Commerce.
- d.Foreign Principal's Proforma Invoice/quote indicating the Agency Commission payable to the Indian Agent and the nature of after sales service to be rendered by the Indian Agent.
- e.Copy of the Agency Agreement between the Foreign Principal and the Indian Agent, and the precise relationship between them their mutual interest in the business.
- f.Registration and Item empanelment of the Indian Agent.

12. Likewise, while executing the Purchase Order/Contract; the Indian Trader shall mandatorily submit the following:

- a.High Sea Sale Agreement.

b. Invoice pertaining to the Indian Trader in INR and the invoice of the foreign vendor in foreign currency.

13. In case if any Bidder is submitting their Offer on HIGH SEA SALES BASIS: then the Indian Trader shall submit the following documents mandatorily along with their offer.

- a. The Import Export Code of the Indian Trader
- b. Bank Authorization Code of the Indian Trader
- c. GSTIN of the Indian Trader

14. As per Notification No. 5/2018-CUSTOMS DTD. 25/01/2018, we are eligible for concessional payment of customs duty and IGST. Hence CD & IGST element shall be specified separately in the quotation. Necessary exemption certificate shall be issued upon request.

15. Our standard delivery term is FOR, VSSC. In case any vendor offers delivery term of Ex-works, Packing and Forwarding charges if any should be indicated separately either as a percentage of the quoted rate or as a Lumpsum amount.

16. Please quote applicable GST separately.

(a) We are eligible for partial exemption of IGST vide Notification No: 47/2017-Integrated Tax (Rate) dtd 14/11/2017 and 45/2017-Central Tax (Rate) dtd 14/11/2017 issued by Dept. of Revenue, Ministry of Finance. Necessary Exemption Certificates will be issued on demand.

(b) We are eligible for partial exemption of CGST and SGST vide Notification No: 45/2017 dtd 14/11/2017 and No: 169/2017/TAXES dtd 15/11/2017 respectively. Necessary Exemption Certificates will be issued on demand.

17. The offer should be valid for a period of minimum 90 days from the date of opening of Tender.

18. Please upload the Technical Details / Catalogue / Data Sheets (wherever applicable)

#### **4. PROFORMA FOR INSTRUCTIONS TO TENDERERS AND TERMS & CONDITIONS OF TENDER where the indent value is Rs. 2.00 lakhs & above for indigenous stores items**

1. Preference will be given to those tenders offering supplies from ready stocks and on the basis of FOR destination/delivery at site.

#### **2. REJECTED STORES:**

Rejected stores will remain at destination at the Contractor's risk and responsibility. If instructions for their disposal are not received from the Contractor within a period of 14 days from the date of receipt of the advice of rejection, the purchaser or his representative has, at his discretion, the right to scrap or sell or consign the rejected stores to Contractor's address at the Contractor's entire risk and expense, freight being payable by the Contractor at actuals.

3. The term 'Stores' shall mean what the Contractor agrees to supply under the Contract as specified in the Purchase Order including erection of plants & machinery and subsequent testing, should such a condition is included in the Purchase Order.

4. SECURITY DEPOSIT: Wherever, the Purchase Order value is Rs. 5.00 Lakhs or more, on acceptance of the tender, the Contractor shall, at the option of the Purchaser and within the period specified by him, deposit with him, in cash or in any other form as the Purchaser may determine, security deposit not exceeding ten percent of the value of the Contract as the Purchaser shall specify. If the Contractor is called upon by the Purchaser to deposit, 'Security' and the Contractor fails to provide the security within the period specified, such failure shall constitute a breach of the Contract, and the Purchaser shall be entitled to make other arrangements for the re-purchase of the stores Contracted at the risk of the Contractor in terms of Sub-Clause (ii) and (iii) of clause regarding Delivery. (b) hereof and/or to recover from the Contractor, damages arising from such cancellation.

5. Sales Tax and/or other duties/levies legally leviable and intended to be claimed should be mentioned in the price bid template. If nothing is mentioned, then it will be presumed that the rate quoted is inclusive of all taxes/duties.

#### 6. TERMS & CONDITIONS OF TENDER

7. TEST CERTIFICATE: Wherever required, test certificates should be sent along with the despatch documents.

8. The Purchaser reserves the right to place order on the successful tenderer for additional quantity up to 25% of the quantity offered by them at the rates quoted.

9. The authority of the person signing the tender, if called for, should be produced.

10. The purchaser shall be under no obligation to accept the lowest or any tender and reserves the right of acceptance of the whole or any part of the tender or portions of the quantity offered and the tenderers shall supply the same at the rates quoted.

11. (a) All available technical literature, catalogues and other data in support of the specifications and details of the items should be furnished along with the offer.

(b) Samples, if called for, should be submitted free of all charges by the tenderer and the Purchaser shall not be responsible for any loss or damage thereof due to any reason whatsoever. In the event of nonacceptance of tender, the tenderer will have to remove the samples at his own expense. <br>

(c) Approximate net and gross weight of the items offered shall be indicated in your offer. If dimensional details are available the same should also be indicated in your offer. <br>(d)

Specifications: Stores offered should strictly confirm to our specifications. Deviations, if any, should be clearly indicated by the tenderer in his quotation. The tenderer should also indicate the Make/Type

number of the stores offered and provide catalogues, technical literature and samples, wherever necessary, along with the quotations. Test Certificates, wherever necessary, should be forwarded along with supplies. Wherever options have been called for in our specifications, the tenderer should address all such options. Wherever specifically mentioned by us, the tenderer could suggest changes to specifications with appropriate response for the same.

12. The tenderer should supply along with his tender, the name of his bankers as well as the latest Income-Tax clearance certificate duly countersigned by the Income-Tax Officer of the Circle concerned under the seal of his office, if required by the Purchaser.

13. The term Contractor shall mean, the person, firm or company with whom or with which the order for the supply of Stores is placed and shall be deemed to include the Contractor's successors, representative, heirs, executors and administrators unless excluded by the Contract.

14. The term Purchaser shall mean the President of India or his successors or assigns.

15. (a) All available technical literature, catalogues and other data in support of the specifications and details of the items should be furnished along with the offer. <br>

(b) Samples, if called for, should be submitted free of all charges by the tenderer and the Purchaser shall not be responsible for any loss or damage thereof due to any reason whatsoever. In the event of nonacceptance of tender, the tenderer will have to remove the samples at his own expense.

(c) Approximate net and gross weight of the items offered shall be indicated in your offer. If dimensional details are available the same should also be indicated in your offer.

(d) Specifications: Stores offered should strictly confirm to our specifications. Deviations, if any, should be clearly indicated by the tenderer in his quotation. The tenderer should also indicate the Make/Type number of the stores offered and provide catalogues, technical literature and samples, wherever necessary, along with the quotations. Test Certificates, wherever necessary, should be forwarded along with supplies. Wherever options have been called for in our specifications, the tenderer should address all such options. Wherever specifically mentioned by us, the tenderer could suggest changes to specifications with appropriate response for the same.

#### 16. ACCEPTANCE OF STORES:

(a) The stores shall be tendered by the Contractor for inspection at such places as may be specified by the purchaser at the Contractor's own risk, expense and cost.

(b) It is expressly agreed that the acceptance of the stores Contracted for, is subject to final approval by the purchaser, whose decision shall be final.

(c) If, in the opinion of the purchaser, all or any of the stores do not meet the performance or quality requirements specified in the Purchase Order, they may be either rejected or accepted at a price to be fixed by the purchaser and his decision as to rejection and the prices to be fixed shall be final and binding on the Contractor.

(d) If the whole or any part of the stores supplied are rejected in accordance with Clause No. (c) above,

the purchaser shall be at liberty, with or without notice to the Contractor, to purchase in the open market at the expense of the Contractor stores meeting the necessary performance and quality Contracted for in place of those rejected, provided that either the purchase, or the agreement to purchase, from another supplier is made within six months from the date of rejection of the stores as aforesaid.

17. As a Government of India Department, this office is exempted from payment of Octroi and similar local levies. Tenderers shall ensure that necessary Exemption Certificates are obtained by them from the Purchase Officer concerned to avoid any payment of such levies.

18. DESPATCH: The Contractor is responsible for obtaining a clear receipt from the Transport Authorities specifying the goods despatched. The consignment should be despatched with clear Railway Receipt/Lorry Receipt. If sent in any other mode, it shall be at the risk of the Contractor. Purchaser will take no responsibility for short deliveries or wrong supply of goods when the same are booked on 'said to contain' basis. Purchaser shall pay for only such stores as are actually received by them in accordance with the Contract.

**19. GUARANTEE & REPLACEMENT:**

(a) The Contractor shall guarantee that the stores supplied shall comply fully with the specifications laid down, for material, workmanship and performance.

(b) For a period of twelve months after the acceptance of the stores, if any defects are discovered therein or any defects therein found to have developed under proper use, arising from faulty stores design or workmanship, the Contractor shall remedy such defects at his own cost provided he is called upon to do so within a period of 14 months from the date of acceptance thereof by the purchaser who shall state in writing in what respect the stores or any part thereof are faulty.

(c) If, in the opinion of the purchaser, it becomes necessary to replace or renew any defective stores such replacement or renewal shall be made by the Contractor free of all costs to the purchaser, provided the notice informing the Contractor of the defect is given by the purchaser in this regard within the said period of 14 months from the date of acceptance thereof.

(d) Should the Contractor fail to rectify the defects, the purchaser shall have the right to reject or repair or replace at the cost of the Contractor the whole or any portion of the defective stores.

(e) The decision of the Purchaser notwithstanding any prior approval or acceptance or inspection thereof on behalf of the Purchaser, as to whether or not the Stores supplied by the Contractor are defective or any defect has developed within the said period of 12 months or any other period or as to whether the nature of defects requires renewal or replacement, shall be final, conclusive and binding on the Contractor.

(f) To fulfill guarantee conditions outlined in (a) to (e) above, the Contractor shall, at the option of the Purchaser, furnish a Bank Guarantee (as prescribed by the Purchaser)

20. PACKING FORWARDING & INSURANCE: The Contractor will be held responsible for the stores being sufficiently and properly packed for transport by rail, road, sea or air to withstand transit hazards

and ensure safe arrival at the destination. The packing and marking of packages shall be done by and at the expense of the Contractor. The purchaser will not pay separately for transit insurance, all risks in transit being exclusively of the Contractor and the Purchaser shall pay only for such stores as are actually received in good condition in accordance with the Contract.

21. PRICES: Tender offering firm prices will be preferred. Where a price variation clause is insisted upon by a tenderer, quotation with a reasonable ceiling should be submitted. Such offers should invariably be supported by the base price taken into account at the time of tendering and also the formula for any such variation/s.

22. a) Your offer should be valid for 90 days from the date of opening of the tender.

b) Prices are required to be quoted according to the units indicated in the annexed tender form. When quotations are given in terms of units other than those specified in the tender form, relationship between the two sets of units must be furnished.

23. d) The term 'Purchase Order' shall mean the communication signed on behalf of the Purchaser by an Officer duly authorised intimating the acceptance on behalf of the Purchaser on the terms and conditions mentioned or referred to in the said communication accepting the tender or offer of the Contractor for supply of stores or plant, machinery or equipment or part thereof.

## **5. INSTRUCTIONS TO TENDERERS AND TERMS & CONDITIONS OF TENDER where the indent value is < `2.00 lakhs for imported stores items**

### **1. I. INSTRUCTIONS TO TENDERERS**

1.The Tenderers should submit quotations in duplicate in a sealed envelope, super scribing the Tender No. and due date of opening and complete in all respects with technical specifications, including pamphlets and catalogues.<br><br>

2.A Proforma Invoice may also be given which should contain the following information: <br>

a)The FOB/FCA value, the C & F value for import by Sea freight / Air freight up to and for air parcel post up to ..... should be separately indicated. <br>

b)Agency Commission: The amount of commission included in the price and payable to the Indian Agent of the Contractor shall be paid directly to the Indian Agent by the Purchaser in equivalent Indian Rupees on the basis of an Invoice from him applying T.T. buying rate of exchange ruling on the date of placement of the Purchase Order and which shall not be subject to any further exchange variations. This payment will be released to the Indian Agent immediately after Customs clearance of the goods in India. <br>

c)The Contractor shall invoice only for the net amount payable to him, after deducting the amount of Agency Commission included in the invoice which will be paid to the Indian Agent directly by the Purchaser. However, the Contractor's invoice should separately reflect the amount of commission payable to his Indian Agent. <br>

d)The earliest delivery period and country of origin of the Stores. <br>

- e) Banker's name, address, telephone/fax Nos. & e-Mail ID of the Contractor. <br>
- f) The approximate net and gross weight and dimensions of packages /cases. <br>
- g) Recommended spares for satisfactory operation for a minimum period of one year. <br>
- h) Details of any technical service, if required for erection, assembly, commissioning and demonstration. <br><br>
3. The FOB/FCA and C & F prices quoted should be inclusive of all taxes, levies, duties arising in the tenderer's country. <br><br>
4. The offer should be valid for a minimum period of 120 days from the due date of opening of the tender. <br><br>
5. Samples, if called for, should be sent free of all charges. <br><br>
6. Late and delayed tenders will not be considered. Quotations by cable must be followed by detailed offers. <br><br>
7. Offers made by Indian Agents on behalf of their Principals, should be supported by the proforma invoice of their Principals. <br><br>
8. The details of Import Licence will be furnished in the Purchase Order. <br><br>
9. The authority of person signing the tender, if called for, shall be produced. <br><br>
10. Instructions / Operation Manual containing all assembly details including wiring diagrams should be sent wherever necessary in duplicate. All documents / correspondence should be in English language only. <br><br>
11. The Purchaser reserves the right to accept or reject the lowest or any offer in whole or part without assigning any reason. <br><br>
12. It is expressly agreed that the acceptance of the Stores Contracted for is subject to final approval in writing by the Purchaser. <br><br>
13. a) Part shipment is not allowed unless specifically agreed to by us. <br><br>
- b) As far as possible stores should be despatched by Indian Flag Vessels /Air India through any Agency nominated by us. <br><br>

## **6. Conditions for BIDDER FROM A COUNTRY WHICH SHARES LAND BORDER WITH INDIA**

1. Any bidder from a country which shares a land border with India will be eligible to bid in this tender, only if the bidder is registered with the Competent Authority. Competent Authority for the purpose of registration shall be the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT).

2. Validity of Registration: Registration should be valid at the time of submission of bids and should be valid at the time of placement of order.

3. Any false declaration and non-compliance of the above would be a ground for immediate rejection of offer or termination of the contract and further legal action in accordance

with the laws.

## C. Bid Templates

### C.1 Technical Bid - Test set up for thermal cracking studies on hydrocarbon fuels

#### 1. LAB SCALE PRESSURE REACTOR - Test set up for thermal cracking studies on hydrocarbon fuels

##### Common Specifications (Applicable for all items)

| Sl No | Specification   | Value | Compliance | Offered Specification | Remark |
|-------|---|-------|------------|-----------------------|--------|
| 1     | As per the attached documents in the Documents section. |       | -          |                       |        |

##### Supporting Documents required from Vendor

#### 1. As per specifications document

5 additional documents can be uploaded by the vendor

## C.2 Commercial Terms / Bid

| Sl. No. | Description   | Compliance         | Vendor Terms |
|---------|---|--------------------|--------------|
| 1       | Training  | Yes / No / Explain |              |
| 2       | Warranty  | Yes / No / Explain |              |
| 3       | Supply conditions as per the specifications document  | Yes / No / Explain |              |
| 4       | Training  | Yes / No / Explain |              |
| 5       | Warranty  | Yes / No / Explain |              |
| 6       | Warranty [Minimum One year from the date of Installation required. ]  | Yes / No / Explain |              |
| 7       | Delivery Period [Please Specify the period, LD Clause applicable]   | Yes / No / Explain |              |
| 8       | Taxes and other costs, if any. [Please Specify the rates]. Note: All Tax invoices issued by suppliers/service providers on or after July 01, 2017 shall invariably bear their GST registration number (GSTIN) and the applicable GST rates. In the absence of which, the invoices shall not be processed for payment. | Yes / No / Explain |              |
| 9       | VSSC is a Public Funded Research Institution under the administrative control of Department of Space and is eligible for partial exemption of IGST @ 5% against IGST EXEMPTION CERTIFICATE.   | Yes / No / Explain |              |
| 10      | Quote Validity: Minimum 90 days [for Single Part Tender]/180 days [for Two Part Tender].  | Yes / No / Explain |              |
| 11      | Delivery Terms [Normal delivery terms - FOR Destination (for Indigenous cases) & FOB/ FCA or Ex-works (for Import cases).   | Yes / No / Explain |              |
| 12      | Payment [Within 30 days after receipt and acceptance for indigenous/ Sight Draft for import cases].   | Yes / No / Explain |              |

|    |   |                    |  |
|----|---|--------------------|--|
| 13 | 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 .Kindly confirm.  | Yes / No / Explain |  |
| 14 | Any other terms   | -                  |  |
| 15 | Any other terms   | -                  |  |
| 16 | 3% Performance Bank Guarantee valid two months beyond warranty period to be provided.   | Yes / No / Explain |  |
| 17 | Liquidated Damages @ 0.5% per week subject to maximum of 10% of order value is applicable beyond the promised delivery schedule.  | Yes / No / Explain |  |
| 18 | Security Deposit: Successful Tenderer shall submit Security Deposit equivalent to 3% of the order value valid for a period of 60 days beyond the date for completion of the Purchase Order shall be furnished. This security deposit is collected towards the performance of the Contract. The said Security Deposit shall be submitted either in the form of Bank Guarantee or Fixed Deposit receipts from Nationalised/Scheduled Banks. | Yes / No / Explain |  |
| 19 | The offer from suppliers who are not agreeing to submit Warranty, Security Deposit & Performance Bank Guarantee will NOT be considered.   | Yes / No / Explain |  |

### C.3 Price Bid

| Sl. No. | Item                       | Quantity  | Unit Price | Currency | Total Price | Remark |
|---------|----------------------------|-----------|------------|----------|-------------|--------|
| 1       | LAB SCALE PRESSURE REACTOR | 1.00 Nos. |            | -        |             |        |

### Common charges (Applicable for all items)

|                        |  |
|------------------------|--|
| <b>P&amp;F Charges</b> |  |
| <b>Freight charge</b>  |  |

|   |  |
|---|--|
| <b>AMC Charges for 1st Year after warranty period</b> |  |
| <b>AMC Charges for 2nd Year after warranty period</b> |  |
| <b>AMC Charges for 3rd Year after warranty period</b> |  |
| <b>AMC Charges for 4th Year after warranty period</b> |  |
| <b>AMC Charges for 5th Year after warranty period</b> |  |