

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

**Tender for Supply, installation and commissioning of Dehumidifier for
PCM Production Hub**

Bids to be submitted online

Tender No.: VSSC/PURCHASE UNIT III (SPRE)/VS202000097401 dated 12-08-2021

A. Tender Details

Tender No :	VSSC/PURCHASE UNIT III (SPRE)/VS202000097401
Tender Date :	12-08-2021
Tender Classification:	GOODS
Purchase Entity :	PURCHASE UNIT III (SPRE)
Centre :	VIKRAM SARABHAI SPACE CENTRE (VSSC)

Procurement of Supply, installation and commissioning of Dehumidifier for PCM Production Hub

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 :	12-08-2021 17:00
Bid Clarification Due Date :	02-09-2021 17:00
Bid Submission Due Date :	14-09-2021 14:00
Bid Opening Date :	14-09-2021 14:01
Price Bid Opening Date :	30-09-2021 14:00

B. Tender Attachments

Technical Write-up/Drawings

Document : Specifications and terms and conditions

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 - Supply, installation and commissioning of Dehumidifier for PCM Production Hub

1. Dehumidifier - Supply, installation and commissioning

Item specifications for Dehumidifier

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	Chamber Volume	12 m ² x 2.5m = 30 m ³	Yes / No / Explain		
2	Chamber RH	less than or equal to 10%	Yes / No / Explain		
3	Chamber temperature	20-25 deg. C	Yes / No / Explain		
4	No of opening towards the chamber	One door at the entry	Yes / No / Explain		
5	Door size	1.0 x 2.0 m (B X H) - minimum	Yes / No / Explain		
6	Sight glass	One no. (size 0.3 x 0.3 m) is to be provided on the door	Yes / No / Explain		
7	No of occupants	Maximum 3 people at a time	Yes / No / Explain		
8	Frequency of opening the door	5 times maximum per hour	Yes / No / Explain		
9	Technical Specification		-		
10	Dehumidifier type	Internationally reputed brand and quality of Indian, USA, Japan or European make	Yes / No / Explain		
11	Skin (Interior and exterior)	SS	Yes / No / Explain		
12	Casing Insulation	PUF	Yes / No / Explain		
13	Panel type and finish	PUF sandwiched panel should consist of SS with good finish	Yes / No / Explain		

14	Desiccant	Silicate based Adsorbent	Yes / No / Explain		
15	Packageability	Modular	Yes / No / Explain		
16	Control panel	As per electrical standards with PLC with provision for alarms when RH or temperature beyond set values	Yes / No / Explain		
17	Nominal (Deh. process) air flow	25 air changes per Hour minimum	Yes / No / Explain		
18	Refrigeration using chiller	Necessary refrigeration system shall be provided to maintain the room temperature at 22-25 deg. C with an RH of <10 % humidity levels. Party should provide 2 nos. of chilling units so as to ensure redundancy	Yes / No / Explain		
19	Ducting	Ducting should be made of SS 304 with suitable length and should be insulated	Yes / No / Explain		
20	Lighting	LED cleanroom lighting fixture	Yes / No / Explain		
21	Display	RH and temperature display should be provided	Yes / No / Explain		
22	Gowning Cloths (optional)	Gowning for 3 persons to work in low RH(<10%) area	Yes / No / Explain		

Common Specifications (Applicable for all items)

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	Chamber Volume	12 m ² x 2.5m = 30 m ³	Yes / No / Explain		
2	Chamber RH	<10%	Yes / No / Explain		
3	Chamber temperature	20-25 deg. C	Yes / No / Explain		
4	No of opening towards the chamber	One door at the entry	Yes / No / Explain		
5	Door size	1.0 x 2.0 m (B X H) - minimum	Yes / No / Explain		

6	Sight glass	One no. (size 0.3 x 0.3 m) is to be provided on the door	Yes / No / Explain		
7	No of occupants	Maximum 3 people at a time	Yes / No / Explain		
8	Frequency of opening the door	5 times maximum per hour	Yes / No / Explain		
9	Technical Specification		-		
10	Dehumidifier type	Internationally reputed brand and quality of Indian, USA, Japan or European make	Yes / No / Explain		
11	Skin (Interior and exterior)	SS	Yes / No / Explain		
12	Casing Insulation	PUF	Yes / No / Explain		
13	Panel type and finish	PUF sandwiched panel should consist of SS with good finish	Yes / No / Explain		
14	Desiccant	Silicate based Adsorbent	Yes / No / Explain		
15	Packageability	Modular	Yes / No / Explain		
16	Control panel	As per electrical standards with PLC with provision for alarms when RH or temperature beyond set values	Yes / No / Explain		
17	Nominal (Deh. process) air flow	25 air changes per Hour minimum	Yes / No / Explain		
18	Refrigeration using chiller	Necessary refrigeration system shall be provided to maintain the room temperature at 22-25 deg. C with an RH of $\pm 10\%$ humidity levels. Party should provide 2 nos. of chilling units so as to ensure redundancy	Yes / No / Explain		
19	Ducting	Ducting should be made of SS 304 with suitable length and should be insulated	Yes / No / Explain		
20	Lighting	LED cleanroom lighting fixture	Yes / No / Explain		

21	Display	RH and temperature display should be provided	Yes / No / Explain		
22	Gowning Cloths (optional)	Gowning for 3-persons to work in low RH(<10%) area	Yes / No / Explain		

Supporting Documents required from Vendor

- 1. Full certifications (including ISO, calibration certificate and traceability certificate for any standards used for calibration) should be provided for all the items.**
- 2. Name and contact details (including phone and fax numbers, email addresses) of the users of the instrument, both in India and abroad, should be provided.**
- 3. Detailed description of the control system is to be provided.**
- 4. Operation/maintenance manual, troubleshooting flowchart, detailed wiring diagrams/circuit, and maintenance tool kits are to be provided.**
- 5. Full technical details in English (both hard and soft copies) should be provided supported by well-documented catalogues/leaflets of the version supplied.**
- 6. Brochures/Catalogues of company with details**
- 7. Unpriced Bid showing the split up of main equipment, accessories, essential spares as applicable**
- 8. Detailed Techno commercial offer(without price details)**
- 9. Unpriced AMC Quote in Split-up format for each year required.**
- 10. Unpriced list of essential/ optional spares for 3 years maintenance.**
- 11. Declaration regarding the percentage of local content (or value addition) in the item offered.**
- 12. Detailed Compliance Matrix vis-a-vis the item specification in tenders.**
- 13. 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	All corrosive components should be painted with anticorrosive paint.	Yes / No / Explain	
2	All necessary safety interlocks and earthing should be provided for operator's safety.	Yes / No / Explain	
3	Detailed description of the control system is to be provided.	Yes / No / Explain	
4	Technical bid and price bid should be sent separately in sealed envelopes. Price bid should be sent strictly as hard copy only. Price bid should not be sent as email or email attachment.	Yes / No / Explain	
5	All subsystems, accessories and optional accessories mentioned in the specification should be quoted separately.	Yes / No / Explain	
6	Full certifications (including ISO, calibration certificate and traceability certificate for any standards used for calibration) should be provided for all the items.	Yes / No / Explain	
7	Name and contact details (including phone and fax numbers, email addresses) of the users of the instrument, both in India and abroad, should be provided.	Yes / No / Explain	
8	Party has to give a compliance matrix along with the offer. Otherwise, the offer will not be accepted.	Yes / No / Explain	
9	Pre-delivery inspection should be arranged.	Yes / No / Explain	
10	Party should be ready to accommodate any minor modifications, if required.	Yes / No / Explain	
11	Party should provide all utility requirements from VSSC for the complete installation and demonstration of the operation of the instrument.	Yes / No / Explain	
12	Party should provide all accessories and tools required for the complete installation of the machine.	Yes / No / Explain	
13	Operation/maintenance manual, troubleshooting flowchart, detailed wiring diagrams/circuit, and maintenance tool kits are to be provided.	Yes / No / Explain	

14	Full technical details in English (both hard and soft copies) should be provided supported by well-documented catalogues/leaflets of the version supplied.	Yes / No / Explain	
15	During guarantee period, spares taken from our stock, if any, should be replaced by the party free of cost.	Yes / No / Explain	
16	3 years' AMC from 3rd year onwards should be provided. The AMC cost needs to be included in the quotation.	Yes / No / Explain	
17	Guarantee/warranty: The complete supply with dessicant, refrigeration unit and control unit must be guaranteed for free repair/replacement for 24 months from the date of installation, commissioning and acceptance by VSSC.	Yes / No / Explain	
18	Recommended set of spare parts and consumables for two years of operation should be supplied. (please provide a complete list of spare parts with item-wise price).	Yes / No / Explain	
19	Installation, commissioning and on-site user training are to be provided by the party free of cost.	Yes / No / Explain	
20	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	
21	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	
22	Delivery Terms.	Yes / No / Explain	
23	Delivery Period	Yes / No / Explain	

24	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	
25	Warranty	Yes / No / Explain	
26	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	
27	Payment Term: (Our Default payment term: For indigenous 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	
28	Definitions: A supplier or service provider, whose goods, services or works offered for procurement, has local content: a) Equal to or more than 50% : Class-I local supplier. b) More than 20% but less than 50% : Class-II local supplier. c) Less than or equal to 20% : Non-local supplier. Mention your category.	Yes / No / Explain	
29	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.	Yes / No / Explain	

30	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	
31	PO Placement Address (with Name and Contact Details of sales person concerned).	Yes / No / Explain	
32	Any Other Terms	Yes / No / Explain	
33	Acceptance to provide Non-Comprehensive AMC for a period of 3 years after the completion of warranty period. AMC cost shall only be mentioned in the specific slot in price bid.	Yes / No / Explain	
34	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).	Yes / No / Explain	
35	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.	Yes / No / Explain	
36	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.	Yes / No / Explain	

C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
1	Dehumidifier - Supply, installation and commissioning	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	