

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

Tender for Thermal chamber (1200 Litre test space)

Bids to be submitted online

Tender No.: VSSC/PURCHASE UNIT II (AVN)/VS202400156801 dated 03-05-2024

A. Tender Details

Tender No : **VSSC/PURCHASE UNIT II (AVN)/VS202400156801**

Tender Date : **03-05-2024**

Tender Classification: **GOODS**

Purchase Entity : **PURCHASE UNIT II (AVN)**

Centre : **VIKRAM SARABHAI SPACE CENTRE (VSSC)**

Thermal chamber (1200 Litre test space)

Thermal chamber (1200 Litre test space)

A.1 Tender Schedule

Bid Submission Start Date : **08-05-2024 11:00**

Bid Clarification Due Date : **20-05-2024 14:00**

Bid Submission Due Date : **13-06-2024 14:00**

Bid Opening Date : **13-06-2024 15:00**

Price Bid Opening Date : **18-06-2024 15:00**

B. Tender Attachments

NA

Instructions To Vendors

1. Conditions for BIDDER FROM A COUNTRY WHICH SHARES LAND BORDER WITH INDIA - Restrictions under Rule 144 (XI) in GFR, 2017.

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. 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.
3. 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.

2. PPP Make in India(Divisible Items-Class I & II Local Suppliers)

1. A committee (with an external expert from a practicing cost accountant or practicing chartered accountant, if required) constituted for independent verification shall verify the self-declarations & auditor's / accountant's certificates on random basis, as per the requirements.
2. a) The subject item falls under divisible category. b) The offers are sought from Class I & II Local Suppliers.
3. Definitions: A supplier or service provider, whose goods, services or works offered for procurement, has local content: i. Equal to or more than 50%: Class-I local supplier. ii. More than 20% but less than 50%: Class-II local supplier. iii. Less than or equal to 20%: Non-local supplier.
4. False declarations will be in breach of code of the integrity for which a bidder or its successor's will not be eligible/debarred for purchase preference from further tenders / pending tenders for two years along with other actions as may be applicable.
5. In case of a complaint received from any local supplier indicating a need for review / verification of

Local content of successful vendor / awarded vendor, for accepting a complaint from such complainant (w.r.t the false declaration given by the successful vendor on the local content), a complaint fee of Rs.2Lakhs or 1% of the locally manufactured items being procured (subject to a maximum Rs. 5Lakhs), whichever was higher, to be paid by demand draft by the complainant. In case, the complaint is found to be incorrect, the complaint fee shall be forfeited. In case, the complaint is upheld and found to be substantially correct, deposited fee of the complainant would be refunded without any interest.

6. In cases the quoted price is in excess of Rs.1000 Lakhs (including duties, taxes and freight & Insurance) the 'Class-I & II local supplier shall 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 case of suppliers other than companies) giving the percentage of local content.

7. In line with Public Procurement (Preference to Make in India), Order 2017 & its amendments issued by Govt. of India from time to time with a view to support the Indian industries, ISRO has implemented "Purchase Preference Policy". The "Purchase Preference" is applicable for the "Class-I Local Supplier" for the goods/ services/ works covered in this tender, subject to the following terms & conditions:-

8. 'L1' means the lowest technically accepted tender / bid / quotation (i.e. lowest landed cost including duties, taxes and freight & Insurance).

9. '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.

10. 'Margin of purchase preference' means the maximum extent to which the price quoted by the "Class-I local supplier" above the L1 (landed cost).

11. Purchase Preference Policy:- Goods/Works which are divisible in nature (required quantity is greater than 1 or not a package basis):

i.If L1 is 'Class-1 local supplier', the order/contract for full quantity shall be awarded to L1 bidder.

ii.If L1 bid is not from a 'Class-I local supplier', 50% of the order quantity shall be awarded to L1.

Thereafter, the lowest bidder among the 'Class-I local supplier' will be invited to match the L1 price for the remaining 50% quantity subject to the Class-I local supplier's quoted price falling within the margin of purchase preference (i.e. 20%) and contract for that quantity shall be awarded to such Class-I local supplier subject to matching the L1 price (inclusive of duties, taxes and freight & insurance).

iii.In case such lowest eligible 'Class-I local supplier' fails to match the L1 price or accepts less than the offered quantity, the next higher 'Class-I local supplier' within the margin of purchase 'preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In cases where none of the 'Class-I local supplier' within the margin of purchase agree to

match L1 price, in such cases 100% quantity shall be ordered on original L1 bidder.

iv. In case no offers are received from 'Class-I local supplier' or none of the 'Class-I local supplier' falls within the margin of purchase preference of 20%, the order shall be processed on L1 vendor.

v. In case L1 bidder (not a 'Class-I local supplier') is not accepting splitting of order on 50:50 basis, in that case the order/contract shall be awarded to such 'Class-I local supplier' for full quantity subject to matching the L1 price.

vi. Regarding MSEs (Indian vendors):

a) The following additional aspect as indicated below would be applicable for procurement which falls under divisible category (i.e., not applicable for indivisible category), in case of participation of MSEs in the tendering who are also complying to the Minimum Local Content (MLC) stipulated in the tender.

b) If any Indian vendor satisfies the requirement of MSEs stipulation and also falls within the purchase preference margin as called for in MSME policy (in case of matching L1 price) will be considered for ordering 25% of tendered quantity, the balance quantity / works will be considered for distribution amongst all bidders (including MSEs) as per the purchase preference policy.

c) In case no MSEs qualifies for purchase preference or do not match with L1 price then the total tendered quantity will be distributed amongst all bidders as per the purchase preference policy.

12. The 'Class-I & II local supplier' should provide a "Self Certification" along with technical offer indicating that the item offered meets the minimum local content [as per Sl. No.(3)] as called for in the tender and provide the percentage of local content along with details of the location(s) at which the local value addition is made. In case of two bid tenders, it is mandatory to indicate compliance to MLC(minimum Local Content) in technical bid zone.

13. The ink-signed certificate shall be provided on vendors letter head along with the offer (in case of online tender, copy of ink-signed certificate shall be uploaded along with your offer under concerned tab. Original in Hard copy shall be produced on request). In case of non-submission of certificate, the purchase preference shall not apply.

14. The margin of Purchase Preference shall be up to 20%.

15. The Public Procurement (Preference to Make in India), Order 2017 issued by Govt. of India indicates that if there are any general or specific restrictive clauses to restrict participation of Indian companies in those countries procurement tenders, reciprocity clause need to be invoked as per the order. Hence, if ISRO or Govt. of India come across that Indian suppliers of an item are not allowed to participate and / or compete in procurement by your government, the bid submitted by you will be not be considered and excluded from eligibility for procurement. Please note this point.

16. Works means all works as per Rule 130 of GFR- 2017, and will also include 'turnkey works'. Works includes Engineering, Procurement and Construction (EPC) contracts and services include System Integrator (SI) contracts.

C. Bid Templates

C.1 Technical Bid - Thermal chamber (1200 Litre test space)

1. THERMAL CHAMBER

Item specifications for THERMAL CHAMBER

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	Type of Chamber	Thermal chamber with provision for LN2 circulation.	Yes / No / Explain		
2	Minimum test space dimensions	1200 mm (Depth) x 1000 mm (Height) x 1000 mm (Width). Bottom surface of the test space shall be at 700 mm from floor.	Yes / No / Explain		
3	External dimensions	1700 mm (Depth) x 1.8 m (Height) Approx. x 1200 m (Width) Approx. Height shall be limited within 1.8 m considering the entry room door height constraints. Maximum tolerance on other dimensions shall be ± 200 mm.	Yes / No / Explain		
4	Overall temperature regime	-150°C to 180°C	Yes / No / Explain		
5	Operating temperature regime in different modes	+180°C to -80°C in refrigeration mode & -80 to -150°C in Liquid nitrogen mode	Yes / No / Explain		
6	Temperature fluctuation in the centre of test space as per IEC 60068-3-5 (in refrigeration mode)	$\pm 1^\circ\text{C}$ or less	Yes / No / Explain		
7	Temperature variation in the test space as per IEC 60068-3-5 (in refrigeration mode)	$\pm 2^\circ\text{C}$ or less	Yes / No / Explain		
8	Heating change rate as per IEC 60068-3-5	3°C/min	Yes / No / Explain		

9	Cooling change rate as per IEC 60068-3-5 (in refrigeration mode)	2.5° C/min	Yes / No / Explain		
10	Maximum heat load from test article	1000 Watts at 25° C (including active and passive loads).	Yes / No / Explain		
11	Operating environment	The chamber shall work satisfactorily in an ambient temperature of +20 deg C to +35 deg C.	Yes / No / Explain		
12	Chamber orientation	The chamber shall be of front loading type.	Yes / No / Explain		
13	Door opening direction	When facing the chamber from front, the chamber door shall open towards left side of the chamber only.	Yes / No / Explain		
14	Material of construction	The interior wall of the chamber shall be made of stainless steel SS304L with minimum welded joints. The exterior wall of the chamber shall be made of galvanized steel.	Yes / No / Explain		
15	Painting	As the thermal chamber is located near to sea, extra care shall be taken for adequate painting / protection to all interior structures/ supports / panels / cable trays etc. External wall of chamber shall be applied with with corrosion resistant primer & powder coating.	Yes / No / Explain		
16	Third party inspection (M/s Lloyd, TUV, BVI)	Third party material test certification for chamber inner wall shall be provided prior to manufacturing. Third party inspection reports addressing all salient parameters shall be submitted before Pre-Dispatch inspection.	Yes / No / Explain		

17	Chamber floor loading capability	Maximum load of test article to be considered for designing the chamber floor is 100 kg (uniformly distributed).	Yes / No / Explain		
18	Shelf for loading test articles	Two removable type stainless steel shelf (Height adjustable) shall be provided inside the chamber space with a load rating of 50 kg each.	Yes / No / Explain		
19	Chamber insulation	The chamber test space housing shall be well insulated. Necessary provisions shall be incorporated in the chamber to prevent moisture condensation on the external surface of the chamber. Details of such provisions shall be clearly mentioned in the quotation.	Yes / No / Explain		
20	Provisions to avoid moisture condensation	Necessary provisions shall be incorporated in the chamber refrigeration system to prevent moisture condensation on test space and plumbing lines.	Yes / No / Explain		
21	Unattended operation	Chamber shall be capable of unattended continuous operation up to 120 hours.	Yes / No / Explain		
22	Utility ports on chamber wall	Two utility ports (Dia 50 mm) on both sides of the chamber (one port on each sides of the chamber), fitted with a removable plug of insulating material.	Yes / No / Explain		

23	Chamber mounting	Heavy duty castor wheels of appropriate size are to be provided for the chamber for easy movement. There shall be suitable provisions for anchoring the chamber while isolating the castor wheels to avoid vibration during operation.	Yes / No / Explain		
24	Door seals	All seals including door seals shall be compatible to the specified temperature range and shall work reliably without any breakage / crumbling/ permanent deformation etc.	Yes / No / Explain		
25	Cooling System in refrigeration mode	Cascade refrigeration systems shall be used to cool the chamber down to -80° C or lower.	Yes / No / Explain		
26	Cooling of compressor used in refrigeration system	Party shall specify whether the compressor is air or water cooled. Air cooled compressor is preferred. If the party is selecting water cooled compressor, the price quoted by the party shall be inclusive of the chiller.	Yes / No / Explain		

27	Chiller location (If water cooled refrigeration system is offered)	<p>Test chamber shall be placed inside a room and a water chiller of adequate capacity shall be installed in a different room. Distance between the chiller and the chamber will be about 30 m approximately. Chiller, insulated piping to and from the thermal chamber up to the location where chiller is installed is in the scope of the supplier.</p>	Yes / No / Explain		
28	Cooling System in Liquid nitrogen mode	<p>Chamber shall be provided with an additional evaporator in the chamber to circulate liquid nitrogen to cool the test space from -80°C to -150 °C.</p> <p>OR</p> <p>Chamber shall be provided with an injector through which liquid nitrogen / cold nitrogen gas can be delivered into the plenum of the chamber (behind test space) to cool the test space from -80°C to -150°C. Necessary solenoid valves for automated operation shall also be provided. Feature for automatic switch over from refrigeration mode to liquid nitrogen mode shall be provided. Adequate features shall be provided to avoid direct impingement of Liquid nitrogen on to the test article. Chamber shall also have provisions to work using liquid nitrogen -150°C to +180°C.</p>	Yes / No / Explain		

29	Cooling change rate in Liquid nitrogen mode	5°C/min to 10°C/min	Yes / No / Explain		
30	Refrigerants used.	The party shall use only Ozone-friendly refrigerants. Type of refrigerants used shall be specified by the party.	Yes / No / Explain		
31	Evaporator material	Evaporator shall be made of copper tubes with copper fins.	Yes / No / Explain		
32	Heating elements	The chamber shall be provided with stainless steel / inconel sheathed heating elements with redundant over temperature protection.	Yes / No / Explain		
33	Circulation fan	Proper air circulation inside the chamber shall be ensured through a circulation fan to minimize thermal gradients.	Yes / No / Explain		
34	Subsystem details	Expansion valve, dryers, oil separators, pressure gauges, vibration isolator) shall be of reputed international make (M/s Danfoss, Emerson, Bitzer, Castel, Wika etc.). Supplier shall provide the details of all the sub systems used for the chamber including data sheets.	Yes / No / Explain		
35	Wiring	The electrical and instrumentation panel shall be wired as per the international standards. All electrical cables shall be tagged with ID numbers and details mentioned in the maintenance manual. All circuit diagrams and details shall be provided.	Yes / No / Explain		

36	Supply voltage	The equipment shall work operate for a power supply of 415V AC $\pm 10\%$, 3 phase, 50Hz. MCB of 63 A will be provided on the rear side of the chamber as mentioned attached layout	Yes / No / Explain		
37	Electrical control panel	Electrical control panel shall be integrated with the chamber and shall be located on rear side of the chamber when viewed from front.	Yes / No / Explain		
38	Operating Panel	Colour display of minimum 7 inch touch panel enabled with easy menu-guided operations.	Yes / No / Explain		
39	Access panel	Access panel on all sides of the chamber shall not be of hinged type considering the space limitations. Access panel shall be removable type and access panels shall be provided with round insert panel lock.	Yes / No / Explain		
40	PLC controller	Standard PLC controller shall be used and shall have provision for temperature control and programming. The controller shall be capable of storing at least 50 programmes. Display panel and PLC controller shall be available in open market. (Non -proprietary).	Yes / No / Explain		

41	Parameters controlled by PLC	i. Temperature sensors.(Setpoint and attained values) ii. Status of compressor iii. Pressure sensors. iv. Valves. v. Heater. vi. Circulation Fan / Blower. vii. Over current / over temperature protection for all the above components.	Yes / No / Explain		
42	Number of control sensors	The system shall have two sensors for temperature control inside the chamber, which can be switched ON in the case of failure of one sensor.	Yes / No / Explain		
43	Type of temperature sensor	Party shall mention the type of temperature sensor being used in the chamber. PT 100 sensor, A-Class is preferred.	Yes / No / Explain		
44	Software	Software for PC based operation and remote control shall be provided. This software shall be license free software to enable adding multiple chambers in future. Support for the software including future updates etc should be provided free of cost. One extra copy of software (installable) shall be provided in case of meeting any exigency arising due to corruption of loaded software.	Yes / No / Explain		
45	Real time display	Digital and graphical plots of attained temperature and set point shall be displayed in the Display panel	Yes / No / Explain		

46	Data logging	Display panel should log as well as display full diagnostic logs of errors, warning, malfunctions etc of chamber components like heater, compressor, fan/blower, refrigeration components, valves, cooling water, intermittent power failure etc.	Yes / No / Explain		
47	Ethernet connectivity	Ethernet connectivity to personal computer shall be available with provision for remote operation.	Yes / No / Explain		
48	USB port	USB port and provision to download test data shall be provided.	Yes / No / Explain		
49	Automatic program resumption	Option for Automatic program resumption shall be available in case of power interruption. The program shall continue from the point of interruption when power comes back within 10 minutes. There shall be no loss of data (except for the power interruption period).	Yes / No / Explain		
50	Min/Max Software temperature limiter	There shall be provisions in the software for giving warning on display panel with an audible alarm to indicate the minimum / maximum set temperature limits are exceeded.	Yes / No / Explain		
51	Circuit breaker	Overload circuit breakers and earth leakage circuit breakers for the complete chamber shall be provided. Details of additional earthing if required shall be provided.	Yes / No / Explain		

52	Safety switches	Temperature switch for compressor, thermal safety switch for the fan motor, cooling water pressure switch (if chiller is used), High pressure, low pressure switches for refrigeration system.	Yes / No / Explain		
53	Independent safety temperature controller	Independent controller shall be provided for limiting the maximum temperature inside the chamber with automatic shutdown of chamber if set temperature is exceeded.	Yes / No / Explain		
54	Interlock for door	Safety interlock synchronized with the air circulation system shall be provided. Chamber shall be switched OFF automatically when the chamber door is opened.	Yes / No / Explain		
55	Alarm in case of fan/blower failure	In case of failure of the air circulation system (fan/blower) an alarm shall be initiated and the chamber shall be automatically switched OFF with adequate indication on the display panel.	Yes / No / Explain		
56	Protection against phase reversal	All mandatory safety devices like Phase reversal protection, single phasing protection, over current protection, short circuit protection etc. shall be provided.	Yes / No / Explain		
57	Noise limit	The acoustic noise level of the chamber shall be less than 80dB (A), measured at a distance of 1 metre from chamber door.	Yes / No / Explain		

Document : Compliance statement format

Document : Price bid format

Document : Site acceptance plan

Document : Thermal chamber Spec

Common Specifications (Applicable for all items)

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Warranty	Warranty for a period of twelve months from the date of commissioning and acceptance at site shall be provided.	Yes / No / Explain		
2	Requirements for vendors	Supplier shall have proven experience in supplying thermal chamber of similar configuration. The supplier should have supplied at least one number of similar thermal chamber to govt. / PSU/ private industry, and the system should have completed at least 12 months of trouble free operation.	Yes / No / Explain		
3	Reference list of installations	The supplier shall submit a reference list of installations for thermal chamber to govt. / PSU / private industry, giving the date of supply and contact details including telephone number, postal address and e-mail address and along with the quote.	Yes / No / Explain		

4	Compliance matrix	Table of compliance statement shall be filled giving exact numerical values along with the quote, without which the quote will not be considered. Merely stating "comply" is not sufficient unless backed by relevant technical data. In case of insufficient technical data the quote will be summarily rejected without seeking any clarifications. Specified technical data should be supported by product catalogs / datasheets / manuals /plots etc.	Yes / No / Explain		
5	Delivery period	Please note that the date of delivery of item in the quote shall be a realistic date OR stated delivery date by VSSC shall be compiled with. If party fails to supply the item within the date committed, liquidated damages as per Government guidelines will be deducted from the final payment.	Yes / No / Explain		
6	Calibration certificate	Traceable valid calibration certificate shall be provided. Factory calibration certificate required for two temperature values (-65°C and +170°C).	Yes / No / Explain		

7	Pre-delivery inspection	<p>Party shall be ready to offer the item for pre-delivery inspection. Supplier shall submit all documents including test reports, and test certificates with respect to design, materials, fabrication, testing etc for pre-delivery inspection at manufacturer's site. Satisfactory performance of all the systems shall be demonstrated as per the specifications. All functional features as per specifications have to be demonstrated as per PDI plan attached as annexure 1.</p>	Yes / No / Explain		
8	Packing, handling and transportation	<p>Thermal chamber shall be properly packed and transported to VSSC directly from work centre. All care shall be taken to prevent handling and transportation damages. No transshipment is allowed en-route. Supplier is responsible for the safe delivery and installation of the item at VSSC.</p>	Yes / No / Explain		

9	Scope of work	<p>In addition to design and realization of the chamber, supplier shall be responsible for dispatch, handling / unloading of chamber at VSSC site, installation and commissioning. Party shall be responsible for strict adherence of all the required safety precaution for the execution of the works and safety of personnel during installation of chamber at VSSC. Necessary PPE shall be used during work execution. Party shall be responsible for any loss or damage to property/personnel of VSSC due to negligence. Any materials/ fittings, tools and labour (unskilled / skilled) support required for installation will be under the scope of supplier.</p>	Yes / No / Explain		
10	Delivery Schedule	<p>(A) Submission of fabrication drawings, Fabrication process plan along with QC / QA plan within 1 month after receipt of PO. (B) Pre-delivery inspection (PDI) within 5 months from the date of approval of drawings. (C) Delivery to VSSC within 15 days from the date of completion of PDI. (D) Installation and commissioning within 3 weeks from the date of receipt of item on site and site readiness intimation from VSSC.</p>	Yes / No / Explain		
11	Scope of VSSC	<p>Required electrical power and Liquid nitrogen will be provided by VSSC for site acceptance tests at VSSC.</p>	Yes / No / Explain		

12	Acceptance tests	All specifications shall be demonstrated during PDI and at VSSC site as per acceptance plan (Annexure 1). 120 hours of continuous operation also shall be demonstrated at VSSC site.	Yes / No / Explain		
13	Documents to be supplied along with the chamber	Complete operating and maintenance manual (hard copy & soft copy) of the chamber shall be provided by the supplier. Copy of all the documents shall be in English.	Yes / No / Explain		
14	Training	Training shall be provided by the supplier to VSSC engineers and operators regarding installation, operation, maintenance and trouble shooting of the chamber at our site, free of cost.	Yes / No / Explain		

Supporting Documents required from Vendor

1. Detailed splitup of price as per attached format (Price Bid Related)
2. Table of compliance statement as per attached format along with sufficient technical data
3. Usermanual / data sheets indicating the technical specifications shall be attached along with the quote
4. Location of value addition, Self declaration of Local Content
5. Local content split up

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	Warranty: 1 year from the date of commissioning and acceptance	Yes / No / Explain	
2	This is a TWO-PART tender i.e. Techno-Commercial Bid (C1 & C2 of tender document) and Price Bid (C3 of tender document) 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. Tenderers are advised NOT TO UPLOAD any documents revealing the price in technical & Commercial bid other than area marked as price related documents	Yes / No / Explain	
3	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.	Yes / No / Explain	
4	The vendor has to compulsorily submit the compliance statement online otherwise their offer will not be considered for further evaluation. Before entering the compliance statement, vendors are advised to refer the detailed specification provided.	Yes / No / Explain	
5	The Technical Specification/ Drawing/ Product Catalogues/ Works Carried by vendor/ Make offered etc. as a PDF file without any financial details has to be uploaded online mode by the vendor.	Yes / No / Explain	

6	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.	Yes / No / Explain	
7	Foreign vendors are not permitted to quote 1. Only Class -I and Class-II Local suppliers as per make in India policy are eligible to participate in the bid. 2. The percentage of local content should be specifically mentioned in the offer, without which will be summarily rejected 3. Preference will be given to Class-I Local Supplier and in their absence, class-II Local supplier will be considered.	Yes / No / Explain	
8	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.	Yes / No / Explain	
9	Taxes and other costs, if any. VSSC is eligible for concessional rate of tax under SI.No.243B of Notification No.24/2018 Central Tax (Rate) dated 31.12.2018. & IGST in terms of Notf No.01/2017-IGST dt 28.06.2017 as amended by Notn No.07/2018- IGST dt 25.01.2018 and Notfn No.25/2018-IGST dt 31.12.2018.Applicable Rate is 5%. Necessary IGST/ CGST/ SGST concession certificate shall be issued by us. [Please Specify the rates with HSN Code].	Yes / No / Explain	
10	Delivery Terms [Normal delivery terms - FOR VSSC]	Yes / No / Explain	
11	Delivery Period [Please Specify the period required for each milestones separately, LD shall be applicable in case of delayed delivery].	Yes / No / Explain	
12	Mention the time required for s installation and training-LD shall be applicable.	Yes / No / Explain	

13	Payment [Within 30 days after receipt and acceptance of Item at our Stores].	Yes / No / Explain	
14	Liquidated Damages @ 0.5% per week subject to maximum of 10% of order value is applicable beyond the promised delivery schedule.	Yes / No / Explain	
15	Warranty [Minimum One year required.]	Yes / No / Explain	
16	Performance Bank Guarantee for 3% of order value valid 2 months beyond the Warranty Period to be provided.	Yes / No / Explain	
17	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. 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. No exemption is applicable for MSE vendors from submission of Security Deposit. In case PSU/Autonomous bodies/Central Government organizations, Indemnity Bond shall be accepted. Wherever SD and PBG are involved, the same can be submitted in consolidated SD cum PBG, valid till completion of warranty obligations under the contract. Necessary formats will be issued to the successful tenderer along with Purchase order.	Yes / No / Explain	
18	Country of Origin	Yes / No / Explain	
19	GeM Seller Unique ID	Yes / No / Explain	
20	Quote Validity: Minimum 180 days [for Two part Tender] from the date of Tender opening.	Yes / No / Explain	
21	PO ordering address in full with Contact Persons Name, E-mail id, Phone No. [also attach your Quotation in PDF format].	Yes / No / Explain	

22	As per the provisions of Office Memorandum No. F. No. 6/18/2019-PPD dtd. 23.07.2020 (i.e., Rule No. 144 (xi) of GFR) and its Amendments, issued by Department of Expenditure, Ministry of Finance. I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered.	Yes / No / Explain	
23	If any of the bidders submit any forged or false documents along with the Tender, such tenders will be summarily rejected and such bidders will be blacklisted for all future tenders.	Yes / No / Explain	
24	Any other terms.	Yes / No / Explain	

C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
1	THERMAL CHAMBER	1.00 Nos.		-		

Common charges (Applicable for all items)

Freight charge	
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