

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

**Tender for Supply and installation of High Voltage Test Kit**

**Bids to be submitted online**

**Tender No.: VSSC/PURCHASE UNIT II (AVN)/VS202200151501 dated 30-12-2022**

## **A. Tender Details**

Tender No : **VSSC/PURCHASE UNIT II (AVN)/VS202200151501**

Tender Date : **30-12-2022**

Tender Classification: **GOODS**

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

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

## **Supply and installation of High Voltage Test Kit**

Supply and installation of High Voltage Test Kit

### **A.1 Tender Schedule**

Bid Submission Start Date : **05-01-2023 15:30**

Bid Clarification Due Date : **18-01-2023 15:00**

Bid Submission Due Date : **09-02-2023 14:00**

Bid Opening Date : **09-02-2023 15:00**

## **B. Tender Attachments**

NA

### **Instructions To Vendors**

#### **1. PROFORMA FOR INSTRUCTIONS TO TENDERERS AND TERMS AND CONDITIONS OF TENDER**

1. 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.
  - 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 and 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.
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2. 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.
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#### **3. 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 Contractors 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.

4. 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.

5. 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.

6. c 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.

7. 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 or 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.

#### 8. GUARANTEE AND 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

**9. PACKING FORWARDING AND 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.

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

**11. 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 variations.

## **12. REJECTED STORES**

Rejected stores will remain at destination at the Contractors 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 Contractors address at the Contractors entire risk and expense, freight being payable by the Contractor at actuals.

**13.** Sales Tax and or other duties or 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 and duties.

14. 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 three 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 repurchase 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.

#### 15. TERMS AND CONDITIONS OF TENDER

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

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

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

19. 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.

20. 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.

21. 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 Contractors successors, representative, heirs, executors and administrators unless excluded by the Contract.

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

23. 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.

2. Liquidated Damages : The Delivery Date mentioning in the Contract or Order will be the essence of the Contract. You shall strictly adhere to the delivery schedule mentioned in your quotation. Please confirm acceptance of LD clause and that you will strictly adhere to the delivery schedule.

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Arbitration: In the event of any disputes, differences or claims arising out of or relating to the interpretation and application of the Contract, such disputes or differences or claims shall be settled amicably by mutual consultations of the good Offices of the respective Parties and recognizing their mutual interests attempt to reach a solution satisfactory to both the parties. If such a resolution is not possible, within 30 days from the date of receipt of written notice of the existence of such disputes, then the unresolved disputes or differences or claims shall be referred to the Sole Arbitrator appointed by the Parties by mutual consent in accordance with the rules and procedures of Arbitration and Conciliation Amendment Act 2015 as amended from time to time. The arbitration shall be conducted in Bengaluru in the Arbitration and Conciliation Centre Bengaluru, Domestic and International, as per its rules and regulations. The expenses for the Arbitration shall be shared equally or as may be determined by the Arbitrator. The considered and written decision of the Arbitrator shall be final and binding between the Parties. The applicable language for Arbitration shall be English only. Work under the Contract shall be continued by the CONTRACTOR during the pendency of arbitration proceedings, without prejudice to a final adjustment in accordance with the decision of the Arbitrator unless otherwise directed in writing by the DEPARTMENT or unless the matter is such that the works cannot be possibly continued until the decision whether final or interim of the Arbitrator is obtained.

Force Majeure : Neither the Purchaser nor the Contractor shall be considered default of the performance of their obligations under this contract if such performance is prevented or delayed for any causes beyond the reasonable control of the parties to the contract affected, such as Acts of God, war, riots, civil commotion, illegal strikes, legal lockouts, epidemics, fire accidents, floods, earthquakes, proclamation or regulation or ordinance of any Government thereof, provided notice in writing of any such cause with necessary proof that the obligation under the contract is thereby affected or prevented or delayed, is given within 14 days from the happening of the event. As soon as the cause of force majeure has ceased to exist, the party whose ability to perform his obligation has been affected shall notify the other party of the actual delay that has occurred due to such force majeure conditions.

### **3. 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. 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.



## C. Bid Templates

### C.1 Technical Bid - Supply and installation of High Voltage Test Kit

#### 1. High voltage unit

##### Item specifications for High voltage unit

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Scope of Supply 1)High Withstand voltage tester – Qty. 1 Nos. 2)Power cable – Qty. 1 Nos. 3)Fuse- Qty. 3 Nos. 4)Hi potential output lead(20KV) -Alligator Clip- Qty. 1 Nos. 5)HiPot Return Lead-Alligator Clip(20KV)- Qty. 1 Nos. 6)USB cable for remote control- Qty. 1 Nos. 7)Interlock Disable key-Qty-1 Nos		-		
2	DC withstand voltage	20kV or better	Yes / No / Explain		
3	Input voltage	230V $\pm$ 15%	Yes / No / Explain		
4	Input Frequency	60Hz $\pm$ 5%	Yes / No / Explain		
5	Output rating(DC)	20kV/5mA	Yes / No / Explain		
6	Output Voltage Range	0-20kV or wider	Yes / No / Explain		
7	Voltage Accuracy	$\pm$ (1.5% of setting + 20V) or better	Yes / No / Explain		
8	Current Measurement Range	0-5000uA or wider	Yes / No / Explain		
9	Current Resolution	$\pm$ (2% of reading + 3 counts) or better	Yes / No / Explain		

10	Output Ripple	< 5% at Resistive Load	Yes / No / Explain		
11	Ramp Up Timer	0.4-999.9s or wider	Yes / No / Explain		
12	Ramp Down Timer	0, 1.0-999.9s or wider	Yes / No / Explain		
13	Dwell Timer	0, 0.1-999.9 unit (0 = continuous) or wider (unit :Hour, Minute or Second)	Yes / No / Explain		
14	Timer Resolution	0.1, unit: s, min or hr Or better	Yes / No / Explain		
15	Timer Accuracy	±(0.1% of setting+ 0.05s) or better	Yes / No / Explain		
16	Ramp High Current	ON/OFF	Yes / No / Explain		
17	Charge Low Current	0.0-350.0uA or wider	Yes / No / Explain		
18	Discharge Timer	≤ 200ms	Yes / No / Explain		
19	Maximum Capacitive Load	1.5μF or more for < 2kV, 0.28μF or more for 2kV-4kV, 0.18μF or more for 4kV-6kV, 0.15μF or more for 6KV-8kV, 0.15μF or more for 8KV-10kV, 0.12μF or more for 10KV-12kV, 0.12μF or more for 10KV-14kV	Yes / No / Explain		
20	Current Offset	0.0-200.0uA or Auto Set	Yes / No / Explain		
21	Arc Detection	Yes	Yes / No / Explain		
22	Remote Input Signal	Test, Reset, Memory, Interlock	Yes / No / Explain		
23	Remote Output Signal	Pass, Fail, Processing	Yes / No / Explain		
24	Cycle Test	0-9999 Times, (0 = continuous) or better	Yes / No / Explain		
25	Memory	50 memories or better	Yes / No / Explain		

26	Display	20 x 2 LCD with back light or better	Yes / No / Explain		
27	Interface	USB & RS232	Yes / No / Explain		
28	Op./Non-Op. Temp./Humidity	0 to 40°C/-40 to 75°C/20 to 80%RH	Yes / No / Explain		
29	Dimension (W x H x D), mm	450 x 150 x 450 or smaller	Yes / No / Explain		
30	Warranty	1 year or more	Yes / No / Explain		

### Supporting Documents required from Vendor

5 additional documents can be uploaded by the vendor

## C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	GST extra as applicable. Please quote applicable G.S.T rates with HSN code. Your GST Reg.No. and details shall be furnished in your quotation.	Yes / No / Explain	
2	Warranty [Minimum One year required]	Yes / No / Explain	
3	3% Performance Bank Guarantee valid two months beyond warranty period to be provided.	Yes / No / Explain	
4	Delivery Terms [Normal delivery terms - FOR Destination for Indigenous cases]	Yes / No / Explain	
5	Delivery Period [Specify Delivery Period . LD shall be applicable in case of delayed delivery	Yes / No / Explain	
6	Time required for supply and time required for installation at our site, shall be separately mentioned	Yes / No / Explain	
7	Payment [Within 30 days after receipt and acceptance for indigenous cases]	Yes / No / Explain	
8	Quote Validity: Minimum 90 days [for Single Part Tender] from the date of tender opening.	Yes / No / Explain	
9	Liquidated Damages at the rate of 0.5% per week subject to maximum of 10% of order value is applicable beyond the promised delivery schedule.	Yes / No / Explain	
10	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.	Yes / No / Explain	

11	<p>Foreign vendors are not permitted to quote.</p> <p>The following conditions shall be complied: A) Only Class I and Class II Local Suppliers as per Make in India Policy are eligible to participate in the bid. B) The percentage of local content should be specifically mentioned in the offer, without which it will be summarily rejected. C) Preference will be given to Class I Local supplier and in their absence, Class II Local Supplier will be considered</p>	Yes / No / Explain	
12	<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  (b) More than 20% but less than 50% - Class II Local Supplier  (c) Less than or equal to 20% - Non-Local Supplier</p> <p>Mention your category.</p>	Yes / No / Explain	
13	<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 the extent of Minimum local content in offered products / services and location and breakup / details of such value additions.</p>	Yes / No / Explain	
14	<p>Self-declaration on local content percentage and location of value addition: The Class I and II Local Supplier shall provide a Self-Declaration along with your bid in PDF format indicating the item offered meets the minimum local content as called for in the tender as mentioned above and provide the Percentage (%) of the local content along with the 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 Minimum Local Content (MLC) in the technical bid itself. Confirm attachment of Self declaration as stated above along with the offer.</p>	Yes / No / Explain	

15	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	
16	PO ordering address in full with Contact Persons Name, Email id, Phone No.	Yes / No / Explain	
17	Please attach the offer in the Pdf format also.	Yes / No / Explain	
18	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 all future tenders.	Yes / No / Explain	
19	Any other terms	Yes / No / Explain	

### C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
1	High voltage unit	1.00 Nos.		-		

### Common charges (Applicable for all items)

<b>Customs Duty</b>	
<b>IGST</b>	