

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

Tender for Web-based real time meteorological lightning tracking, monitoring and alert management system subscription service for a region of 1000000 sq km centered at SDSC SHAR (13.73351o N, 80.23471o E) for a period of one year

Bids to be submitted online

Tender No.: VSSC/PURCHASE UNIT-IV (MVIT)/VS202400129301 dated 27-03-2024

A. Tender Details

Tender No : **VSSC/PURCHASE UNIT-IV (MVIT)/VS202400129301**

Tender Date : **27-03-2024**

Tender Classification: **SERVICES**

Purchase Entity : **PURCHASE UNIT-IV (MVIT)**

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

Web-based real time meteorological lightning tracking, monitoring and alert management system subscription service for a region of 1000000 sq km centered at SDSC SHAR (13.73351o N, 80.23471o E) for a period of one year

Please quote as per the following terms and conditions before the due date. Clarifications, if any shall be sought before the clarification date mentioned below. Last minute clarification on tender/extension of due date of tender will not be entertained.

Quotation/Open Authorization shall be submitted online [only] complying the specified schedule with technical specifications, including datasheets, pamphlets, catalogues etc.

If a vendor is not able to submit bid against this tender due to any reason, such vendor is requested to post their REGRET message in the e-procurement portal with clear reasons or email to spso_mvrit_pur@vssc.gov.in. Non-submission of bids without regrets will be viewed seriously.

A.1 Tender Schedule

Bid Submission Start Date : **27-03-2024 16:20**

Bid Clarification Due Date : **15-04-2024 14:20**

Bid Submission Due Date : **30-04-2024 14:20**

Bid Opening Date : **30-04-2024 15:00**

B. Tender Attachments

NA

Instructions To Vendors

1. PROFORMA FOR INSTRUCTIONS TO TENDERERS AND TERMS & CONDITIONS OF TENDER (IG)

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/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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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 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.

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. **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.

7. 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.

8. **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)

9. 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.

10. Preference will be given to those tenders offering supplies from ready stocks and on the basis of FOR destination/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 variation/s.

12. 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.

13. 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.

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 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.

15. TERMS & 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 25% 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 Contractor's 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. 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.

3. Offers submitted without accepting our Tender conditions especially LD PBG Warranty and SD clauses shall be summarily rejected.

Note: "In line with Notification No. 01/2017-Central Tax (Rate) dated 28-06-2017, as amended by Notification No. 06/2018-Central Tax (Rate) dated 25-01-2018 and Notification No. 24/2018 Central Tax (Rate) dated 31-12-2018 and corresponding SGST Rate Notifications, GST rate for the goods at Sl. No. 243 B: "Scientific and technical instruments, apparatus, equipment, accessories, parts, components, spares, tools, mock up and modules, raw material and consumable required for Launch Vehicles and Satellites and Payloads" is 2.5% CGST and 2.5% SGST. IGST is charged at 5 % in terms of Notification No. 01/2017-IGST dated 28-06-2017 as amended by Notification No. 07/2018 IGST dated 25-01-2018 and Notification No. 25/2018 IGST dated 31-12-2018, necessary IGST/CGST/SGST concession certificate shall be issued".

4. Please furnish the following

- a. Copy of valid manufacturing license of the agency certificate
- b. copy of latest filed tax returns
- c. Details of registration number, PAN Card, GST, TIN, NSIC, MSME registration etc.
- d. The addresses registered site works, workshop, etc.
- e. Sub contracting details with address if permissible.

C. Bid Templates

C.1 Technical Bid - Web-based real time meteorological lightning tracking, monitoring and alert management system subscription service for a region of 1000000 sq km centered at SDSC SHAR (13.73351o N, 80.23471o E) for a period of one year

1. Lightning Detector Subscription of Web based real time Lightning Monitoring System centered at SHAR (13.73351 N, 80.23471 E) [Detailed specifications attached]

Document : Required Specifications in detail from Party

Common Specifications (Applicable for all items)

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Lightning detection, tracking, monitoring and alert management system subscription service.	Web-based real time	Yes / No / Explain		
2	Centred at	SHAR (13.73351 N, 80.23471 E)	Yes / No / Explain		
3	Subscription area	10,00,000 Sq Km	Yes / No / Explain		
4	Subscription period	ONE year	Yes / No / Explain		
5	Type of lightning display	•Cloud-to-cloud •Cloud-to-ground •Positive stroke, negative stroke	Yes / No / Explain		
6	Alarm Radius (from SHAR)	•8 km – Caution (innermost) Ring •24 km – information (middle) ring •48 km – alert (outer) ring	Yes / No / Explain		
7	No. of user IDs & Passwords	10 Nos or more	Yes / No / Explain		
8	Alert Notification	ASCII – Table & alert sound	Yes / No / Explain		
9	Update frequency	30 seconds or better	Yes / No / Explain		

10	Replay of previous lightning occurrences	150 hours or more (represented by color-coded time).	Yes / No / Explain		
11	Archive of alert notification	30 days history	Yes / No / Explain		
12	Mode of access	Desktop or mobile device using any modern web browser from any location with internet access	Yes / No / Explain		

Supporting Documents required from Vendor

1. Supplier must provide a demo username and password/ screenshots for the web based subscription if demanded from VSSC. The demo subscription for the required region should be for at least for a period of one month

2. The supplier must give detailed technical catalogue

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	The bidders shall submit a detailed item wise compliance statement with remarks to each specifications/ requirement in the tender document along with original brochure of their proposed system.	Yes / No / Explain	
2	The party should start the subscription within one month from the date of release of the Purchase Order.	Yes / No / Explain	
3	The supplier must provide a demo username and password/ screenshots for the web based subscription if demanded from VSSC. The demo subscription for the required region should be for at least for a period of one month for validation purposes.	Yes / No / Explain	
4	The supplier must give detailed technical catalogue. Offers with no technical catalogue are liable to be rejected.	Yes / No / Explain	
5	Security Deposit: In the event of placement of order, (if the value exceeds lakhs)you should submit Security Deposit at 3% of the order value of the P.O. The Security Deposit shall valid for a period of 60 days beyond the date of completion and acceptance of P.O/Contract. The Security Deposit will be discharged without any interest after completion and acceptance of the Contractual obligations.	Yes / No / Explain	
6	Performance Bank Guarantee: PBG shall be @ 3%. The said percentage reconsideration shall be based on guidelines issued by Govt of India, from time to time.	Yes / No / Explain	
7	Quote Validity: Minimum 90 days	Yes / No / Explain	
8	Delivery Period	Yes / No / Explain	
9	Liquidated Damages(L/D clause @ 0.5% subject to maximum 10% of the order value is applicable beyond the promised delivery schedule.)	Yes / No / Explain	
10	Dellvery Term (FOR, VSSC):	Yes / No / Explain	

11	Warranty	Yes / No / Explain	
12	Payment :	Yes / No / Explain	
13	Taxes and other costs, if any	Yes / No / Explain	
14	FORCE MAJEURE	Yes / No / Explain	
15	Any other terms	Yes / No / Explain	

C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
1	Lightning Detector Subscription of Web based real time Lightning Monitoring System centered at SHAR (13.73351 N, 80.23471 E) [Detailed specifications attached]	1.00 Years		-		

Common charges (Applicable for all items)

Freight charge	
P&F Charges	