

**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 TERLS, VSSC (8.5301833 N, 76.869650 E) for a Period of ONE Year

Bids to be submitted online

Tender No.: VSSC/PURCHASE UNIT-IV (MVIT)/VS202400553301 dated 02-12-2024

A. Tender Details

Tender No : **VSSC/PURCHASE UNIT-IV (MVIT)/VS202400553301**

Tender Date : **02-12-2024**

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 TERLS, VSSC (8.5301833 N, 76.869650 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 : **02-12-2024 17:00**

Bid Clarification Due Date : **16-12-2024 14:00**

Bid Submission Due Date : **31-12-2024 14:00**

Bid Opening Date : **31-12-2024 14:15**

B. Tender Attachments

Technical Write-up/Drawings

Document : Specifications Required (to be visible to the bidders)

Instructions To Vendors

2. 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.

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.

(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.

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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.

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.

4. 1. Only Class-I and Class-II Local suppliers as per Make in India Policy are eligible to participate in the bid.

2. Foreign vendors are not permitted to quote.

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

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

5. GST No: Our Goods and Service Tax Registration No 32AAAGV0026J1ZL.

6. GSTIN Rate and HSN Code: Vendors registered under GST shall mention their GSTIN applicable rate and HSN code wherever necessary as per GST Law.

7. Delivery of the item should be made as per commercial terms attached in the tender.

8. Wherever supply, installation, commissioning & training is involved, the bidders shall clearly specify the delivery period for supply of items, time required for installation & commissioning etc.

9. Security Deposit (SD): SD will be applicable if the Purchase Order value is above Rs 5 lakhs. SD at the rate of 3 per cent of order value to be submitted in the form of Bank Guarantee valid till successful completion of PO or Contract if awarded.

10. Warranty / Guarantee & replacement: Our requirement of warranty / Guarantee is as given in the Commercial conditions for this tender.

11. Performance Bank Guarantee (PBG): PBG @ 3% of order value to be submitted in the form of Bank Guarantee from a Scheduled Bank, valid till successful completion of all contractual obligations, including the warranty period, in case PO/Contract is awarded.

12. Consolidated SD cum PBG: If both SD and PBG are applicable, a Consolidated SD cum PBG for 3% order value can be submitted in the form of Bank Guarantee from a Scheduled Bank, valid till successful completion of all contractual obligations, including the warranty period

13. Liquidated Damages Clause (LD): The delivery period should be realistic. The delivery period so quoted and mentioned in the order is the essence of the PO or Contract. In case of delay in delivery of

material as per the delivery schedule LD at 0.5 per cent per week or part thereof on the undelivered portion subject to a maximum of 10 per cent of the contract value shall be levied. Wherever installation and commissioning are also involved the supply will be deemed to have been completed only when the entire Stores is supplied, installed and accepted.

14.LD, SD / Warranty / PBG clauses are mandatory and offer without acceptance of these clauses will not be considered for evaluation.

15.Delivery terms: Our standard delivery term is FOR VSSC Trivandrum. In case any vendors offer delivery term of Ex-Works, Packing and Forwarding charges, if any, should be indicated separately either as a percentage of the quoted rate or as a lumpsum amount.

16.Payment Terms: Our standard payment term is 100 per cent within 30 days of receipt and acceptance of Stores at our site for indigenous orders and Sight Draft or Wire Transfer or Irrevocable LC (without confirmation) for foreign orders. The Bank charges shall be to respective Accounts.

17.All registered MSME vendors are requested to provide their Registration and Ownership details.

18.Vendors may please note that MSMEs are not exempted from the submission of Security Deposit.

19.Vendors shall provide the name address email ID and contact number of authorised official in order to contact in case of need.

20.If any vendor submits forged or false documents along with their bids, the offer of such vendors will be summarily rejected and such bidders will be blacklisted for all future tenders.

21.Tenders are not transferable and in case any vendor is not interested or able to submit their tenders such vendors may send their regret letter.

22.Wherein PFMS Number is not available, please provide IFSC Code Bank Details etc and upload Copy of Personalized cheque leaf in the name of the Purchase Vendor or NEFT Mandate form duly endorsed by the Bank of the Vendor.

23.Copy of latest filed tax returns

24.Details of registration Number, PAN Card, GST, TIN, NSIC, MSME registration etc.

25.The address of registered site works / workshop / etc.

26.Last minute clarification on tender will not be entertained.

27.PO will be placed on technically and commercially suitable lowest offer basis and VSSC reserves the right to split the order on L1 basis.

28.VSSC has the right to cancel the tender without assigning any reason thereof.

29.Our Bankers: State Bank of India, Thumba Branch, ISRO PO, Trivandrum 695022.

30.The POs shall be split among the vendors on respective L1 basis.

31.We are partially exempted from payment of IGST and eligible for paying IGST at 5per cent 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.

32.The percentage reconsideration shall be based on guidelines issued by Govt. of India, from time to time.

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 TERLS, VSSC (8.5301833 N, 76.869650 E) for a Period of ONE Year

1. Lightning Detector Subscription of Web based real time Lightning Monitoring System centered at TERLS, VSSC (8.5301833 N, 76.869650 E) [Detailed specifications attached]

Common Specifications (Applicable for all items)

Sl 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	Centre Co-ordinates	TERLS (8.5301833 N, 76.869650 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	<ul style="list-style-type: none"> •Cloud-to-cloud •Cloud-to-ground •Positive stroke, negative stroke 	Yes / No / Explain		
6	Alarm Radius (centred at TERLS)	<ul style="list-style-type: none"> •8 km – Caution (innermost) Ring •24 km – information (middle) ring •48 km – alert (outer) ring 	Yes / No / Explain		
7	Age of the lightning (display)	Colour coded symbols. 0 to 25 minutes, 5 minute increments 0 to 120 minutes, 15 and 30 minute increments	Yes / No / Explain		
8	Lightning Location Zoom/ Map	Cursor Zoom and Pan with dedicated zoom area selection.	Yes / No / Explain		

9	No. of user IDs and Passwords	10 Nos or more	Yes / No / Explain		
10	Alert Notification	ASCII – Table and Alert Sound	Yes / No / Explain		
11	Update Frequency	30 seconds or better	Yes / No / Explain		
12	Replay of Previous Lightning Occurrences	150 hours or more (represented by color-coded time).	Yes / No / Explain		
13	Archive of Alert Notification	30 days history	Yes / No / Explain		
14	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 party should start the online subscription within one month from the date of receipt of the Purchase Order.	Yes / No / Explain	
2	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	
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	Taxes and other costs, if any	Yes / No / Explain	
6	Payment term: (Our Defalut payment term: For indigenous orders: 100% within 30 days after receipt and acceptance of item at our site.	Yes / No / Explain	
7	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	
8	Delivery Term (FOR, VSSC):	Yes / No / Explain	
9	Security Deposit: In the event of placement of order, you should submit Security Deposit at 10% 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	
10	Quote Validity: Minimum 120 days	Yes / No / Explain	

11	Delivery Period	Yes / No / Explain	
12	Definitions: A supplier or service provider, whose goods, services or works offered for procurement, has local content : a) equal to 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	
13	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	
14	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	
15	Any other remarks	Yes / No / Explain	

C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
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1	Lightning Detector Subscription of Web based real time Lightning Monitoring System centered at TERLS, VSSC (8.5301833 N, 76.869650 E) [Detailed specifications attached]	1.00 Years		-		
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Common charges (Applicable for all items)

Freight charge	
P&F Charges	