

**GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
LIQUID PROPULSION SYSTEMS CENTRE, VALIAMALA (LPSC)
THIRUVANANTHAPURAM**

**Tender for Augmentation for existing perimeter UTM for high
availability (HA)**

Bids to be submitted online

Tender No.: LPSC/LVF/LP202300052901 dated 26-03-2024

A. Tender Details

| | |
|------------------------|---|
| Tender No : | LPSC/LVF/LP202300052901 |
| Tender Date : | 26-03-2024 |
| Tender Classification: | GOODS |
| Purchase Entity : | LVF |
| Centre : | LIQUID PROPULSION SYSTEMS CENTRE, VALIAMALA (LPSC) |

Augmentation for existing perimeter UTM for high availability (HA)

For and on behalf of the President of India, the Head, Purchase & Stores, Liquid Propulsion Systems Centre (LPSC), Valiamala, Thiruvananthapuram invites tenders through e-procurement mode;

Prospective vendors interested in participating in the tendering process need to get registered in the portal. Offers submitted through our online portal only will be considered and no other means will be considered. Detailed instruction, pre-requisites and illustrative tutorials for bid enrollment, preparation etc are available in the portal. A help desk is also functioning to assist the vendors whose contact details are available in the portal.

This being a two part tender, Technical and Price Part are opened separately, the tenders should not attach any documents containing Pricing information along with Technical Bid. Normally we do not open PART-II (Commercial Offer), if PART-I (Technical Offer) does not meet with our technical specification requirements.

A.1 Tender Schedule

| | |
|------------------------------|-------------------------|
| Bid Submission Start Date : | 26-03-2024 11:05 |
| Bid Clarification Due Date : | 02-04-2024 10:00 |
| Bid Submission Due Date : | 23-04-2024 14:00 |
| Bid Opening Date : | 23-04-2024 14:30 |
| Price Bid Opening Date : | 14-05-2024 14:30 |

B. Tender Attachments

NA

Instructions To Vendors

1. INSTRUCTIONS TO TENDERERS AND TERMS & CONDITIONS OF TENDER

1. Instruction to Foreign Suppliers:-

a) Payment term shall be SIGHT DRAFT / 80% by irrevocable Letter of Credit and balance 20% by wire transfer after receipt & acceptance of the ordered item. Please confirm acceptance in your offer. If you insist for L/C, and all bank charges shall be to your account. Confirm acceptance.

b) We are eligible for Customs Duty Concession vide Notification No. 050/2017 539 A-CUSTOMS DTD. 30.06.2017 and necessary Customs Duty Concession Certificate will be provided on request.

c) Please specify whether any export clearance is required in case of an order on you.

d) Warranty/Guarantee applicable for the item shall be mentioned in your offer.

e) Special Certification for packing Material : as per Plant Quarantine (Regulation of Control into India) Order 2003, Articles packed with packing material of plant origin viz., hay, straw, wood shavings, wood chips, saw dust, wood waste, wooden pallets, Dunn age Mats, wooden packages, coir pith, pear or sphagnum moss etc., will be allowed entry by Customs only with a Phytosanitary Certificate. In case if a Purchase Order, if you propose to us any of the above material for packing such a certificate issued by your local Plant Quarantine Authority shall be furnished.

f) Confirm whether any Export License is required and for which End User Certificate is to be provided by us, in case of an Order on you. (Enclose format for EUC, if applicable)

g) Either Indian Agent on behalf of the foreign principles or the foreign principal directly can quote against this order, but not both. In either case an Indian agent cannot represent more than one principal against the same tender.

h) High Sea Sales

In case any bidder is submitting their offer on High Sea Sale (HSS) basis, the Indian Trader shall submit the following documents mandatorily along with the offer. It will be the responsibility of the Party to clear the items from Customs and deliver to us on FOR LPSC, Valiamala basis. Customs Duty Concession Certificate will be provided at the time of clearance against request.

- The Import Export Code of the Indian Trader.

- Bank Authorisation Code of the Indian Trader.
- GSTIN of the Indian Trader.

2. Applicable Law:-

The Contractor shall be interpreted, construed and governed by the Law of India.

3. Bank Details :-

a)For Indian Suppliers :- The offer should contain Bank details viz., Bankers Name, Address, Phone No. & Mail id, Bank Account No., IFSC code, PAN No., GST No., etc.

b)For Foreign Suppliers :- The offer should contain Bank details viz., Bankers Name, Address, Phone No. & Mail id, Bank Account No., SWIFT Code, IBAN No.etc.

4. Contractors Default Liability :-

The purchaser may upon written notice of default to the Contractor terminate the Contract in whole or in part in circumstances detailed hereunder:

a) If in the judgement of the Purchaser the Contractor fails to make delivery of Stores within the time specified in the Contract/agreement or within the period for which extension has been granted by the Purchaser to the Contractor.

b) If in the judgment of the Purchaser the Contractor fails to comply with any of the other provisions of this Contract.

5. Counter Terms and Conditions of suppliers :-

Where counter terms and conditions / printed or cyclostyled conditions has been offered by the Supplier, the same shall not be deemed to have been accepted by the Purchaser unless specific written acceptance thereof is obtained.

6. DELIVERY AND LIQUIDATED DAMAGES (LD) :-

(a)The time for and the date of delivery of the stores stipulated in the Purchase Order shall be deemed to be the essence of the Contract and delivery must be completed on or before the specified dates.

(b)If the ordered items are not supplied within the delivery schedule, LD shall be levied from your bill @ 0.5% per week for the undelivered items subject to a maximum of 10% of the order value for the delayed period.

7. Delivery Period :-

The time for and the date / period of delivery of the stores stipulated in the Tender / Purchase Order shall be deemed to be the essence of the contract and delivery must be completed on or before the specified dates.

8. Delivery Term :-

- a) For Import supplies :- FOB / FCA
- b) For Indigenous supplies :- Ex-Works / FOR LPSC

9. Extension of Time :-

If the completion of supply of Stores is delayed due to reason of FORCE MAJEURE such as acts of God, acts of public enemy, acts of Government, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes etc., the Contractor shall give notice within 21 days to the Purchaser in writing of his claim for an extension of time. The Purchaser on receipt of such notice after verification, if necessary, may agree to extend the Contract delivery date as may be reasonable but without prejudice to the other terms and conditions of the Contract.

10. g) Special conditions against Indian Agents submitting quotations in Foreign Currency :-

- (i) Foreign Principals proforma invoice indicating the commission payable to the Indian Agent with GST, if any and nature of after sales service to be rendered by the Indian Agent.
- (ii) Copy of Agency Agreement with the Foreign Principal, precise relationship between them and their mutual interest in the business.
- (iii) Either the Indian Agent on behalf of the Foreign Principal or the Foreign Principal directly could bid in a tender but not both. Further, in case where an agent participates in a tender on behalf of one Principal, he should not be allowed to quote on behalf of another Principal in the same tender for the same item.

11. 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 or for a period as specified in the tender document 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 as to whether the nature of the defects requires renewal or replacement, shall be final, conclusive and binding on the Contractor.

f)All the replacement stores shall also be guaranteed for a period of 12 months from the date of arrival of the stores at purchaser's site.

12. Indemnity:-

The Contractor shall warrant and be deemed to have warranted that all stores supplied against this Contract are free and clean of Infringement of any Patent, Copy right or Trade mark and shall at all times indemnify the Purchaser against all claims which may be made in respect of stores for infringement of any right protected by patent, registration of design or trade mark, and shall take all risk of accident or damage which may cause a failure of the supply from whatever cause arising and the entire responsibility for the sufficiency of all the means used by him for the fulfilment of the Contract.

13. Language and Measures :-

All documents pertaining to the Contract including specification, schedule, notice, correspondence, operating and maintenance instructions, drawings or any other writings shall be written in English Language. The metric system of measurement shall be used exclusively in the Contract.

14. Mode of Despatch :-

a)For supplies BY ROAD / BY RAIL:-

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.

The Contractor will be held responsible for any demurrage / wharfage paid due to non-receipt of documents in time.

b)For Supplies BY AIR / BY SEA (As per the instructions in Purchase Order)

One set of Non-negotiable copies of despatch documents should be sent by mail immediately after shipment to us without fail for our verification and tracing the consignment.

Originals should be negotiated, through bank. Apart from the despatch documents negotiated through Bank, a copy of the following documents shall also be air mailed to the purchaser within seven days

from the date of shipment by sea and within 3 days in case of air consignment

Commercial Bill of Lading/Air Way Bill

Commercial Invoice describing the stores delivered, quantity, unit rate and their total value, in triplicate. The invoice should indicate the discounts, if, any, and Agency Commission separately.

Packing List showing individual dimensions and weight of packages.

Test Certificate

Country of Origin Certificate in duplicate

Declaration by the Seller that the contents in each case are not less than those entered in the invoices and the quality of the stores are guaranteed as per the specifications asked for by the Purchaser.

For Sea Consignments, ordered items shall be shipped through Indian Flagged Vessels only.

Partshipment Not Allowed. Transshipment Allowed. Transshipment of equipment shall not be permitted except with the written permission of the Purchaser

15. Offer Validity :-

a) For Single Part Tender - Quotation should be valid for 90 days from the date of opening of the tender or any other period as specified in the tender.

b) For Two Part Tender - Quotation should be valid for 120 days from the date of opening of the tender or any other period as specified in the tender.

Note :- Offer with validity lesser than that specified is liable for exclusion from the procurement process

16. Packing Forwarding & Insurance:

(a) For Indigenous supplies: The Contractor will be held responsible for the stores being sufficiently and properly packed for transport by Rail / Road 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.

(b) For Import supplies: The contractor wherever applicable shall pack and crate all stores for Sea / Air shipment as applicable in a manner suitable for export to a tropical humid climate, in accordance with Internationally accepted export practices and in such a manner so as to protect it from damage and deterioration in transit by Rail / Road & Sea for space qualified stores. The Contractor shall be held responsible for all damages due to improper packing. The Contractor shall ensure that each box / unit of shipment is legible and properly marked for correct identification. The failure to comply with this requirement shall make the Contractor liable for additional expenses involved.

(c) Insurance : 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.

17. Payment :-

For Indigenous supplies :- 100% payment shall be made through RTGS within 30 days of receipt and acceptance of the item at our site against submission of PBG.

For Import supplies :-

(a)SIGHT DRAFT

(b)80% payment by Letter of Credit and balance 20% by Wire Transfer after receipt and acceptance of the ordered item against submission of PBG.

Note :- Bank Charges including the charges towards advising / amendment commissions should be in respective accounts.

18. Performance Bank Guarantee (PBG) :-

To fulfill guarantee conditions outlined in clause 12(a) to (e) above, the Contractor shall, at the option of the purchaser, furnish a Bank Guarantee (as prescribed by the purchaser) from a Bank (from a bank of international repute in case of foreign vendor) approved by the purchaser for an amount equivalent to 3% of the value of the Contract along with first shipment documents. On the performance and completion of the Contract in all respects, the Bank Guarantee will be returned to the Contractor without any interest.

19. Price :

a)Price should be firm and fixed and should be on the basis of FOR, LPSC / delivery at site. The Purchaser will not pay separately for transit insurance, and the risk and cost during transit shall be exclusively the responsibility of the Contractor and the purchaser shall pay only for such stores as are actually received in good condition in accordance with the Contract.

b)Tenders 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.

c)Prices are required to be quoted according to the units indicated in the tender. When quotations are given in terms of units other than those specified in the tender form, relationship between the two systems of unit must be furnished.

d)The FOB/FCA value, the C & F value for import by Sea freight / Air freight up to and for air parcel post up to LPSC, Thiruvananthapuram should be separately indicated.

e)Agency Commission, if any, should be clearly indicated in the quote. The amount of commission included in the price and payable to the Indian Agent of the Contractor shall be paid directly to the Indian Agents by the Purchaser in equivalent Indian Rupees on the basis of an Invoice from him applying T.T. buying rate of exchange ruling on the date of placement of the Purchase Order and which shall not be subject to any further exchange variations. This payment will be released to the Indian Agent after the Customs Clearance, receipt, installation & commissioning (wherever necessary) and acceptance of the goods/equipment by us. The Contractor shall invoice only for the net amount payable to him, after deducting the amount of Agency Commission included in the invoice which would be paid to the Indian Agents directly by the Purchaser. However, the Contractor's invoice should separately reflect the amount of commission payable to his Indian Agent with applicable GST, if any.

f)Name and Address of the Indian Agent should be mentioned in the offer

20. Quantity (QTY) and Unit of Measure (UOM)

Quote should be as per the quantity and unit of measure mentioned the tender. If dimensional details are available, the same should also be indicated in your offer.

21. Resolution of Disputes:-

Any dispute, disagreement or question arising out of or relating to or in consequence of the contract or to its fulfillment, or the validity of enforcement thereof which cannot be settled mutually, or the settlement of which is not herein specifically provided for, shall within 30 (thirty) days from the date either party informs the other in writing that such dispute or disagreement exists be referred to arbitration by the sole arbitrator.

The Arbitrator shall be appointed As per the Indian Arbitration and Conciliation Act 1996 and proceedings will be conducted in Trivandrum. The Arbitration proceedings shall be conducted in accordance with and subject to the Arbitration and Conciliation Act 1996 (Act 26 of 1996) as amended from time to time and the decision of the Arbitrator shall be final and binding on the parties thereto. Each party shall bear its own cost of preparing and presenting its case. The cost of Arbitration including the fees and expenses of the Arbitrator shall be shared equally by the parties unless the award provides otherwise.

Subject to provisions of this clause, the courts at Kerala shall have exclusive jurisdiction.

Performance under this Contract shall, however continue during Arbitration proceeding and no payment due or payable by the parties hereto shall be withheld unless any such payment is/or forms a part of the subject matter of the Arbitration proceedings.

22. Security Deposit (SD) :- Applicable for order value above INR 5 L.

On acceptance of the order, 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 3 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 15(b) hereof and/or to recover from the Contractor, damages arising from such cancellation.

23. Specifications:-

a)Stores offered should strictly conform to Purchasers 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. Wherever options are called for in our specifications, the tenderer should address all such options.

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

non-acceptance of tender, the tenderer will have to remove the samples at his own expense.

24. Taxes :-

a) For Indigenous supplies, GST intended to be claimed, should be distinctly shown separately in the tender. The applicable GST / IGST shall be clearly mentioned in your offer along with HSN code of the offered items.

b) For Import supplies, the FOB / FCA and C&F prices quoted should be inclusive of all taxes, levies, duties arising in the tenderers country along with HSN code of the offered items.

25. Training:-

The Contractor shall, if required by the Purchaser, provide facilities for the practical training of Purchasers engineering / technical personnel from India and for the active association on the manufacturing processes throughout the manufacturing period of the Contract / Stores, number of such personnel to be mutually agreed upon.

C. Bid Templates

C.1 Technical Bid - Augmentation for existing perimeter UTM for high availability (HA)

1. UTM

Item specifications for UTM

| SI No | Specification | Value | Compliance | Offered Specification | Remark |
|-------|---|---|--------------------|-----------------------|--------|
| 1 | Form Factor (RU) | 1U/2U | Yes / No / Explain | | |
| 2 | Physical Attributes | Firewall should be Hardware, appliance based and should support stateful packet inspection technology | Yes / No / Explain | | |
| 3 | NAT | yes | Yes / No / Explain | | |
| 4 | User Identity | yes | Yes / No / Explain | | |
| 5 | IPS | yes | Yes / No / Explain | | |
| 6 | Category based Web Filtering / URL Filtering with options to whitelist exemptions | yes | Yes / No / Explain | | |
| 7 | Application Control | yes | Yes / No / Explain | | |
| 8 | Email Filtering/Anti-Spam | yes | Yes / No / Explain | | |
| 9 | Antivirus | yes | Yes / No / Explain | | |
| 10 | Web Application Firewall | yes | Yes / No / Explain | | |
| 11 | DNS filter | yes | Yes / No / Explain | | |
| 12 | SSL and IPsec VPNs | yes | Yes / No / Explain | | |

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|----|--|-----|--------------------|--|--|
| 13 | Access rules creation and listing with respect to Zones and interfaces | yes | Yes / No / Explain | | |
| 14 | Search Access rules using filters for IP addresses, rule names | yes | Yes / No / Explain | | |
| 15 | IPS solution should have capability to protect against Denial of Service (DOS) attacks.Should have flexibility to configure both IPv4 and IPv6 Rate based DOS protection with threshold settings against TCP Syn flood, TCP/UDP/ port scan, ICMP sweep, TCP/UDP/ SCTP/ICMP session flooding.Threshold settings must be customizable for different sources, destinations & services | yes | Yes / No / Explain | | |
| 16 | APT (Advance Persistent Threat protection/ ATP-Advanced Threat Protection) with Anti Malware Protection C& C attacks, IoC Intelligence | yes | Yes / No / Explain | | |
| 17 | Zero Day Threat Protection .The solution should have capability to integrate with ON Premise Sandbox solution for File analysis and APT database update | yes | Yes / No / Explain | | |
| 18 | Block malicious IPs, malicious domains via customizable external network feeds | yes | Yes / No / Explain | | |
| 19 | Block malicious hashes via customizable external network feeds | yes | Yes / No / Explain | | |

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|----|---|-----|--------------------|--|--|
| 20 | Option to quarantine the IP address detected in an IPS/ Antivirus attack for a specific duration | yes | Yes / No / Explain | | |
| 21 | Support for both real time(flow based) and batch/proxy mode (no part of the downloaded file is passed to the browser until the entire file has been downloaded and scanned.) scanning at the same time in various rules | yes | Yes / No / Explain | | |
| 22 | In batch mode of Anti virus scanning (proxy based scanning) , option to prevent timeout during file upload to Internal web servers by allowing small bytes of data to passthrough from the client | yes | Yes / No / Explain | | |
| 23 | Safe Search Enforcement to Prevent potentially inappropriate content | yes | Yes / No / Explain | | |
| 24 | Support API configuration for 3rd party integration, The API has option to add, update, or delete configurations. The API should have option to read policies for IPS, Web filter, Application filter etc | yes | Yes / No / Explain | | |
| 25 | Geo IP Protection | yes | Yes / No / Explain | | |
| 26 | Support for full ssl inspection on clients and servers with options for ssl offloading for servers | yes | Yes / No / Explain | | |
| 27 | Proxy support | yes | Yes / No / Explain | | |
| 28 | IPv6 support with dual stack and NAT64 | yes | Yes / No / Explain | | |

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|----|---|-----|--------------------|--|--|
| 29 | Logging , with analysis of raw logs with filter and search support | yes | Yes / No / Explain | | |
| 30 | Interface/ Local traffic logging | yes | Yes / No / Explain | | |
| 31 | Interface/ Local traffic logging forwarding to syslog | yes | Yes / No / Explain | | |
| 32 | DNS server / DNS Proxy functionality to be enabled on UTM interfaces as required | yes | Yes / No / Explain | | |
| 33 | DNS query/response logs from access traffic and interface traffic | yes | Yes / No / Explain | | |
| 34 | DNS query/response logs from access traffic and interface traffic forwarding to syslog | yes | Yes / No / Explain | | |
| 35 | Syslog server support for all types of logs including the above mentioned log types | yes | Yes / No / Explain | | |
| 36 | Should be able to create multiple profiles for Email Filtering and should be able to apply all of them to various UTM policies at the same time | yes | Yes / No / Explain | | |
| 37 | Should be able to create multiple profiles for IPS and should be able to apply all of them to various UTM policies at the same time | yes | Yes / No / Explain | | |
| 38 | Should be able to create multiple profiles for Antivirus and should be able to apply all of them to various UTM policies at the same time | yes | Yes / No / Explain | | |

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| 39 | Should be able to create multiple profiles for web filtering and should be able to apply all of them to various UTM policies at the same time. | yes | Yes / No / Explain | | |
| 40 | Virtualization (Virtual Firewall, Minimum 5 Virtual Firewall license should be provided. | yes | Yes / No / Explain | | |
| 41 | Virtualization must be for every feature including IPS , Application control, Antivirus/Anti-malware , URL filtering , SSL inspection , SSL VPN , IPsec VPN , Traffic shaping and user authentication | yes | Yes / No / Explain | | |
| 42 | Should be able to create multiple security zones for available interfaces | yes | Yes / No / Explain | | |
| 43 | Should be able to manage the UTM (with or without HA) through web interface itself without additional management software | yes | Yes / No / Explain | | |
| 44 | License for the Firewall with all features mentioned above for min 3 years. | yes | Yes / No / Explain | | |
| 45 | License for any other hardware & software as part of the solution for min 3 years. | yes | Yes / No / Explain | | |
| 46 | All Licensing should be per device and not user/IP based (should support unlimited users. | yes | Yes / No / Explain | | |

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|----|---|---|--------------------|--|--|
| 47 | All solutions hardware/software provided should not be having EndOfSale/EndOfSupport/EndOfLife announced within next 5 Years. Certification from OEM has to be submitted along with the technical bid. | yes | Yes / No / Explain | | |
| 48 | Traffic handled | TCP, UDP, HTTP, SMTP | Yes / No / Explain | | |
| 49 | Link failover/load balancing | Support WAN link failover – Failover over of Multiple ISP links or Load balance | Yes / No / Explain | | |
| 50 | VPN | Support for IPSEC and SSL VPN, with DES, 3DES, AES, MD5, SHA-1 and SHA-2IKE, Manual Key | Yes / No / Explain | | |
| 51 | Static routing, RIP, OSPF,BGP for IPv4 Network | yes | Yes / No / Explain | | |
| 52 | Static routing, RIP, OSPF,BGP for IPv6 Network | yes | Yes / No / Explain | | |
| 53 | SD-WAN, SD-WAN capabilities like link performance metrics including latency, jitter, and packet loss; re-routing of traffic based on WAN link performance; application routing over preferred ISP links for IPv4 and IPv6 Network | yes | Yes / No / Explain | | |
| 54 | Authentication and User management | Active Directory, RADIUS, LDAP etc | Yes / No / Explain | | |
| 55 | Throughput with all features enabled (NGFW throughput)(Under Test Condition)(proof from OEM authorised websites should be available) | 10 Gbps or above | Yes / No / Explain | | |
| 56 | Firewall throughput | 100 Gbps or Above | Yes / No / Explain | | |

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|----|--|--------------------------------------|--------------------|--|--|
| 57 | IPS throughput(proof from OEM authorised websites should be available) | 10 Gbps or above | Yes / No / Explain | | |
| 58 | NGFW Throughput with IPS and Application Control enabled, based on Enterprise Traffic Mix. (proof from OEM authorised websites should be available) | 10 Gbps or above | Yes / No / Explain | | |
| 59 | Threat Protection Throughput with IPS and Application Control and Malware protection enabled, based on Enterprise Traffic Mix.(proof from OEM authorised websites should be available) | 10 Gbps or above | Yes / No / Explain | | |
| 60 | Application Control throughput with 64 Kbytes HTTP traffic.(proof from OEM authorised websites should be available) | 25 Gbps or above | Yes / No / Explain | | |
| 61 | IPsec VPN Throughput based on 512-byte UDP packets(proof from OEM authorised websites should be available) | 40 Gbps or above | Yes / No / Explain | | |
| 62 | SSL VPN Throughput(proof from OEM authorised websites should be available) | 4 Gbps or above | Yes / No / Explain | | |
| 63 | SSL Inspection Throughput (proof from OEM authorised websites should be available) | 7 Gbps or Above | Yes / No / Explain | | |
| 64 | Concurrent Session/Concurrent Connection | 8 M or more | Yes / No / Explain | | |
| 65 | New session/Connection per second | 500K or more | Yes / No / Explain | | |
| 66 | VLAN Support | 1024 or more | Yes / No / Explain | | |
| 67 | Number of GE Copper interface | Minimum 10 X 1Gbps Copper interfaces | Yes / No / Explain | | |

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|----|--|--|--------------------|--|--|
| 68 | Number of 10G SFP+ interface | Minimum 8 X 10 Gbps SFP+ . should include short range transcevers | Yes / No / Explain | | |
| 69 | High Availability Support | Yes | Yes / No / Explain | | |
| 70 | High Availability licence from day 1 | Yes | Yes / No / Explain | | |
| 71 | Additional Ports required in case of HA Cluster | Yes, additional ports have to be provided for HA cluster other than the specified ports | Yes / No / Explain | | |
| 72 | Traffic Shaping, QoS and Bandwidth management | Proposed solution must ensure bandwidth guarantee, limit, and priority interactions and support the traffic priority - high/medium/low based on admin configuration. | Yes / No / Explain | | |
| 73 | Additional ports | Appliance should support minimum 1x USB port and one console and one management port | Yes / No / Explain | | |
| 74 | Type of Processor | x86 Multicore or ASIC | Yes / No / Explain | | |
| 75 | Type of Storage Disk | SSD, In case of damage, original hard disk is to be replaced. The original ssd/harddisk shall not be returned to the supplier. | Yes / No / Explain | | |
| 76 | Storage Capacity (GB) | Minimum 200 GB SSD | Yes / No / Explain | | |
| 77 | Memory | 16 GB or more | Yes / No / Explain | | |
| 78 | Power Supplies | Dual | Yes / No / Explain | | |
| 79 | Hot Swappable redundant Power Supply | yes | Yes / No / Explain | | |
| 80 | Number of Ipsec VPN Peers supported (Site to Site) | 2000 or better | Yes / No / Explain | | |
| 81 | Number of Ipsec VPN Peers supported (Client to Site) | 3000 or better | Yes / No / Explain | | |

| | | | | | |
|----|--|--|--------------------|--|--|
| 82 | Number of SSL VPN Peers supported (Client to Site) | 5000 or better | Yes / No / Explain | | |
| 83 | NGIPS Signature supported | 5000 or more | Yes / No / Explain | | |
| 84 | Security Intelligence | IP, URL, Domain | Yes / No / Explain | | |
| 85 | Certification | Common Criteria EAL 4 certified | Yes / No / Explain | | |
| 86 | Operating temperature | 0 -40 degrees or better | Yes / No / Explain | | |
| 87 | IPv6 Ready from day 1 | Yes | Yes / No / Explain | | |
| 88 | On Site OEM Warranty (Year) | 3 yr onsite comprehensive warranty. During the warranty period, upgradation of Firmware, patches, Bug Fixing, Antiviruses signature updates etc. along with 24X 7 service support has to be ensured by the supplier. If the IPS / AV / signatures doesn't support the current OS / hardware, the supplier has to provide equivalent/higher model hardware from the same OEM with no service break as per LPSC requirements at no extra cost with warranty (of the replaced appliance) valid till contract period | Yes / No / Explain | | |

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|----|-----------------------------------|---|--------------------|--|--|
| 89 | ISO Certification for Vendor /OEM | The vendor/ OEM must attain ISO 9001:2000 certification that covers scope of the Quality Management System which includes the design, development and manufacturing of network security products and the delivery of associated security services and support | Yes / No / Explain | | |
| 90 | Service Support | Vendor must offer 24x7 service support that includes Comprehensive Support from TAC. | Yes / No / Explain | | |

Document : Compliance_Matrix

Common Specifications (Applicable for all items)

| SI No | Specification | Value | Compliance | Offered Specification | Remark |
|-------|--|-------|--------------------|-----------------------|--------|
| 1 | As part of Techno Commercial Evaluation, Supplier has to demonstrate a sample item at LPSC Valiamala, if requested, and if the item doesn't meet the specifications, the item will be rejected. A confirmation for this demonstration has to be included in the technical offer. | yes | Yes / No / Explain | | |

Supporting Documents required from Vendor

1. Manufacturer Authorization Form (MAF) from OEM

2. Compliance matrix document

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

| Sl. No. | Description | Compliance | Vendor Terms |
|---------|--|--------------------|--------------|
| 1 | Delivery period . two months from the date of purchase, Installation period: one month from the date of acceptance | Yes / No / Explain | |
| 2 | As per the Rule 144(xi) of General Financial Rule ,2017, any bidder from a country which shares a land border with India will be eligible to bid in any procurement whether of goods, services (including consultancy service and non-consultancy services) or works (including turnkey projects) only if the bidder is registered with the competent authority ie., Department for Promotion of Industry and Internal Trade (DPIIT). Hence, Vendors or Agents of a Vendor (Indian or others) from a country sharing border with India shall submit copy of valid registration made with Department for Promotion of Industry and Internal Trade (DPIIT), Government of India along with the tender mandatorily, without which the offer will be treated as invalid. | Yes / No / Explain | |
| 3 | Whether applicable GST percentage mentioned in your offer. | Yes / No / Explain | |
| 4 | ISRO is eligible for Customs Duty Concession vide Notification No.12/2012-Customs dated 17.03.2012. and Notification No. 50/2017-customs dtd 30.06.2017 [We will provide Customs Duty Concession Certificate for bought out items being imported for manufacturing the ordered items (List of items to be imported with quantities to be enclosed along with offer) OR for Orders placed on Foreign Vendors OR for High Sea Sale orders.] | Yes / No / Explain | |
| 5 | Installation Charges, if any, (If mentioned as EXTRA OR INCLUDED in your quote, please mention the percentage in Remarks Column). | Yes / No / Explain | |

| | | | |
|----|---|--------------------|--|
| 6 | <p>Delivery Term :- FOR : LPSC, VALIAMALA In case of Foreign orders, FOB or FCA.</p> <p>If "NO" specify the exact delivery term with relevant details in remarks column</p> | Yes / No / Explain | |
| 7 | <p>Delivery Period (Delivery period . two months from the date of purchase, Installation period: one month from the date of acceptance)</p> | Yes / No / Explain | |
| 8 | <p>Payment Term :- (a)100% payment shall be made through RTGS within 30 days of receipt and acceptance of the item at our site. (b)In case of Foreign orders, Payment term shall be SIGHT DRAFT / 80% BY IRREVOCABLE LETTER OF CREDIT AND BALANCE 20% BY WIRE TRANSFER AFTER RECEIPT & ACCEPTANCE OF THE ORDERED ITEM.</p> | Yes / No / Explain | |
| 9 | <p>Liquidated Damages (LD) :- If the ordered items are not supplied within the delivery schedule, LD shall be levied from your bill @ 0.5% per week for the undelivered items subject to a maximum of 10% of the order value for the delayed period.</p> | Yes / No / Explain | |
| 10 | <p>Warranty :- Warranty for the offered item shall be from the date of installation/acceptance of the item at our site for a minimum period of one years or as specified in the tender document.</p> | Yes / No / Explain | |
| 11 | <p>Security Deposit (SD) :- (only for order value above Rs.5 Lakh) You have to furnish a Bank Guarantee for 3% of the order value (from a bank of international repute in case of foreign vendors) within 10 days of receipt of Order towards the faithful execution of the order valid till the completion of the scope of work as per order plus sixty days. (This will be returned to you immediately on execution of the order satisfactorily as per order terms. In case of non-performance / poor performance, the amount will be forfeited).</p> | Yes / No / Explain | |

| | | | |
|----|---|--------------------|--|
| 12 | Performance Bank Guarantee (PBG) :- You have to submit a PBG from a Nationalised / Scheduled Bank (from a bank of international repute incase of foreign vendors) for 3% of the order value towards the performance of the system at the time of supply valid till the completion of warranty period plus 60 days as per the format provided by the Department. OR 3% OF THE ORDER VALUE SHALL BE WITH HELD TILL THE COMPLETION OF WARRANTY PERIOD PLUS 60 DAYS. | Yes / No / Explain | |
| 13 | In case, if parties are unable to provide two separate BGs, i.e., one for SD and one for PBG, they can submit a combined BG for SD & PBG within 10 days of receipt of order for 3% of order value valid till the completion of total contractual obligation (i.e., supply period plus warranty period plus 60 days) as per the format provided by the Department. | Yes / No / Explain | |
| 14 | P&F charges , if any (If mentioned as Extra or included in your quote, please mention the percentage in Remarks column) | Yes / No / Explain | |
| 15 | Freight charges , if any (If mentioned as Extra or included in your quote, please mention the percentage in Remarks column) | Yes / No / Explain | |
| 16 | Insurance : Being a Govt. of India Dept., Insurance is not required at our cost. Please ensure the safe delivery of the ordered item with proper AIR/SEA/ROAD worthy packing. | Yes / No / Explain | |
| 17 | Validity of offer : Offer validity should be 120 days from the date of opening of tenders. (For TWO PART) | Yes / No / Explain | |
| 18 | Bank Details: Bank name, Branch address, Account No. IFSC Code | Yes / No / Explain | |
| 19 | Purchase order to be placed on whom (Please mention the Address, Phone No. & Email id) | Yes / No / Explain | |

C.3 Price Bid

| Sl. No. | Item | Quantity | Unit Price | Currency | Total Price | Other Costs, if any | Remark |
|---------|------|----------|------------|----------|-------------|---------------------|--------|
|---------|------|----------|------------|----------|-------------|---------------------|--------|

| | | | | | | | |
|---|-----|-----------|--|---|--|--|--|
| 1 | UTM | 1.00 Nos. | | - | | | |
|---|-----|-----------|--|---|--|--|--|

Common charges (Applicable for all items)

| | |
|---|--|
| Additional Costs, if any | |
| Additional Costs, if any (Value) | |