

**GOVERNMENT OF INDIA  
DEPARTMENT OF SPACE  
ISRO TELEMETRY TRACKING & COMMAND NETWORK (ISTRAC)  
BANGALORE**

**Tender for Cyber Security Solution for Data Centre & Edge Locations**

**Bids to be submitted online**

**Tender No.: ISTRAC/ISTRAC PURCHASE/TR202400037901 dated 26-11-2024**

## A. Tender Details

Tender No :	<b>ISTRAC/ISTRAC PURCHASE/TR202400037901</b>
Tender Date :	<b>26-11-2024</b>
Tender Classification:	<b>GOODS</b>
Purchase Entity :	<b>ISTRAC PURCHASE</b>
Centre :	<b>ISRO TELEMETRY TRACKING &amp; COMMAND NETWORK (ISTRAC)</b>

## Cyber Security Solution for Data Centre & Edge Locations

Note: 1) This is a Dual Part Tender. Please submit your Offers separately for Technical and Price Bid under relevant Template. Please upload Price Bid under Price Bid only and no where else. If price is mentioned any where other than Price Bid, your offer will not be considered. 2) Please provide your compliance separately for (a) Performance Bank Guarantee clause (b) Liquidated Damages clause and Security Deposit clause.

### A.1 Tender Schedule

Bid Submission Start Date :	<b>26-11-2024 16:30</b>
Bid Clarification Due Date :	<b>23-12-2024 17:00</b>
Bid Submission Due Date :	<b>31-12-2024 14:00</b>
Bid Opening Date :	<b>31-12-2024 14:30</b>
Price Bid Opening Date :	<b>17-01-2025 12:02</b>

## **B. Tender Attachments**

NA

### **Instructions To Vendors**

#### **1. CERTIFICATE OF UNDERTAKING**

1. A certificate from the bidder shall be enclosed along with their quotation (Technical bid) as per the format enclosed.

2. An AGENT is a person employed to do any act for another, or to represent another in dealings with third person.

3. 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 is : DEPARTMENT FOR PROMOTION OF INDUSTRY AND INTERNAL TRADE (DPIIT)).

4. (b)Control shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholders agreements or voting agreements.

5. Bidder from a country which shares a land border with India for the purpose means:

(a)An entity incorporated, established or registered in such a country; or

(b)A subsidiary of an entity incorporated, established or registered in such a country; or

(c)An entity substantially controlled through entities incorporated, established or registered in a such a country; or

(d)An entity whose beneficial owner is situated in such a country; or

(e)An Indian (or other) agent of such an entity; or

(f)A natural person who is a citizen of such a country; or

(g)A consortium or joint venture where any member of the consortium or joint venture falls under any of the above.

6. **BIDDER** (including the term tenderer, consultant or service provider in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.

7. CERTIFICATE

8.

COMPANY NAME AND SEAL:

9. DESIGNATION:

10. Explanation:

(a) Controlling Ownership interest means ownership of or entitlement to more than twenty-five per cent of shares or capital or profits of the company;

11. GOVERNMENT OF INDIA

DEPARTMENT OF SPACE

ISTRAC, BENGALURU: 560 058.

12. iii) In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals.

13. (iii). I/We \_\_\_\_\_ hereby undertake that if the Certificate is found to be false at any given time ISRO/ISTRAC may treat this as a ground for immediate termination and further legal action in accordance with law can be initiated.

14. ii) In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership.

15. (ii). I/We hereby confirm that the country of origin of goods is \_\_\_\_\_

16. i) In case of a company or Limited Liability Partnership, the beneficial owner is a natural person(s), who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercises control through other means.

17. (i).I/WE\_\_\_\_\_read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India. I / We\_\_\_\_\_Certify that this bidder is not from such a country.

18. iv)Where no natural person is identified under (i) or (ii) or (iii) above, the beneficial owner is the relevant natural person who holds the position of senior managing official.

19. I / We\_\_\_\_\_Certify that this bidder is from such a country and registered with the Competent Authority (i.e. Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT). Copy of Registration Certificate is enclosed.

20. NAME:

21. OR\*

I/We \_\_\_\_\_ read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India.

22. Ref:Tender No\_\_\_\_\_ date\_\_\_\_\_

Our Quotation No.\_\_\_\_\_ date \_\_\_\_\_

23. REQUIREMENT OF REGISTRATION:

24. SIGNATURE:

25. ( \* Strike out whichever is not applicable).

26. Subject: Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs) 2017 - reg.

27. The beneficial owner for the purpose of (6) above will be as under:

28. (TO BE PRINTED ON THE LETTER HEAD OF THE VENDOR)

29. v)In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

## **2. INSTRUCTIONS TO TENDERERS FOR ONLINE SUBMISSION OF TENDERS THROUGH E-**

## **PROCUREMENT SYSTEM**

1. a) Bidders shall arrange themselves all resources, including Digital signature certificates and Internet Connections at their own cost, for participating in online tendering.
- b) Vendors can download the tender details and submit their offers online using their vendor accounts (obtained during registration) in our portal. Help demos for tender download and bidding processes are given on home page.
- c) The tender should be submitted online in the ISTRAC link before the due date and time as specified in the tender schedule in the portal.
- d) Vendors shall also take note of other Instructions to tenderers indicated in the tender documents.

### 2. Conditions for online submission of tenders:

- a) It is mandatory for interested parties to register as vendors in our e-procurement portal <https://eproc.vssc.gov.in/home.html> for participating in online eProcurement process of ISRO. Only registered vendors can submit their offers online in our eProcurement portal.
- b) Vendors who are already registered in the existing EGPS software of ISRO, please register by clicking the link in the email you would have already received from 'eproc@vssc.gov.in'. After registration, do the profile update by login to this portal.
- c) For new vendors, who are not registered in the existing EGPS software, vendor registration will be released along with the portal release. To register as vendors please refer to the help demos listed on the home page of the e-procurement link mentioned above. They may approach help desk (contact details provided on the home page) for any technical help for registration and subsequent process.
- d) OEM details should be added in your E-Procurement profile under Add Agent/Principal without fail.

3. ISTRAC shall not be responsible for failure of vendors in submitting bids online caused due to technical reasons at vendor end such as network or power failures, computer failure, internet-browser, mistakes / errors in filling the bids on line by vendor etc.

### 4. Procedure for seeking clarifications/help for the tender:

- a) All enquiries regarding the tenders and submission of offers shall be online and only through our eProcurement portal.
- b) Vendors may approach help desk e-mail id and phone number given on the home page for any technical help (e-mail: [eproc@vssc.gov.in](mailto:eproc@vssc.gov.in) and Phone: +91471 2565454/4574/2527/3753/3289).

5. Queries by vendors on technical problems on the last day of tender will not be binding on ISTRAC/ISRO for resolving/addressing. ISTRAC will not be responsible for non-submission of bids for those cases.

## **3. PROFORMA FOR INSTRUCTIONS TO TENDERERS AND TERMS & 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/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. 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.

3. ARBITRATION : All disputes, differences, claims and demands arising under or pursuant to or touching this agreement shall be referred to Arbitration of a sole Arbitrator to be appointed by the Director, ISTRAC, whose decision/award will be final and binding on both the parties. Such arbitration shall be held in Bangalore and shall be subject to and governed by the provisions of the Arbitration and Conciliation Act of 1996 or any statutory modification or re-enactment thereof. The language to be used in Arbitration is English only.

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 120 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. CUSTOMS DUTY : This office is eligible for Concessional Customs Duty @ 5.5% against Ministry of Finance, Department of Revenue, Government of India, vide Customs Notification No.51/96-Cus Dated 23-07-1996 (Sl.No.1) and amended under Notification No.93/96 dated 11th December 1996 and 24/2002 dated 01-03-2002

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/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. TAXES: GST is payable as per applicable rates.

9. 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) Warranty shall be for the period mentioned 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 the warranty period, 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 warranty 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 warranty 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)

10. If the IGST is applicable, the same will be reimbursed if it is reflected in Bill Of Entry. Proof shall be provided while claiming payment.

11. It is to be noted that either Customs Duty or GST is applicable ( any one)



12. JURISDICTION : The contract/ purchase order shall be governed by an interpreted and construed in accordance with the laws of India. The courts situated at Bangalore only shall have jurisdiction to deal with and decide any legal matter or dispute arising out of contract/ purchase order.

13. 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.

14. Please provide your compliance for Security Deposit, Performance Bank Guarantee and Liquidated Damages Clause.

15. 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.

16. 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.

17. 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.

18. 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.

19. SETTLEMENT OF DISPUTES : Except as otherwise specifically provided in the contract, all disputes concerning question of fact arising under the Contract shall be decided by the Purchaser

subject to a written appeal by the Contractor to the Purchaser whose decision shall be final to the parties hereto. Any disputes or differences including those considered as such by only one of the parties arising out of or in connection with the Contract shall be, to the extent possible, settled amicably between the parties. If amicable settlement cannot be reached, then all disputes shall be settled by arbitration.

## 20. TERMS & CONDITIONS OF TENDER

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

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

23. 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.

24. 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.

25. 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.

26. 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.

27. 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.

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

29. 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.

## 4. TENDER TERMS AND CONDITIONS

1. All information in Vendor Specified Terms shall be provided without fail to avoid unnecessary correspondence / delay in process. The same should reach before technical bid opening date and time without fail.
2. a) Order no: F.No.6/18/2019 PPD dated 23.07.2020 of Department of Expenditure), Ministry of Finance  
Under Public procurement division for the General Financial rule (GFRs).
3. As per Rule 144(xi) of General Financial Rules, 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 services and non consultancy services) or works (including turnkey projects) only if the bidder is registered with the Competent Authority (i.e., Department for Promotion of Industry and Internal Trade) in line with Order (Public Procurement No. 1, 2 and 3) dated 23/07/2020 and 24/07/2020 or any amendments thereon issued by the Public Procurement Division, Department of Expenditure, Ministry of Finance. Hence, Vendors or Agents of a Vendor (Indian or Others) from a country sharing border with India shall submit the copy of Valid Registration made with DPIIT along with the tender mandatorily, without which the offer will be treated as invalid.
4. A supplier who has been debarred by any procuring entity for violation of this order shall not be eligible  
for preference under this order for procurement by any other procuring entity for the duration of the debarment. The debarment for such other procuring entities shall take effect prospectively from the date on which it comes to the notice of other procurement entities, in the manner prescribed.
5. b) Class I local supplier means a supplier or service provider, whose goods, service or works offered for procurement, has local content equal to or more than 50%, as defined under order.
6. c) Class II local supplier means a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%, as defined under this Order.
7. d) Bidders offering imported products will fall under the category of Non-local suppliers. They cannot claim themselves as Class I Local suppliers/Class II Local suppliers by claiming the services such as transportation, insurance, installation, commissioning, training and after sales service support like AMC/CMC etc. as local value addition.
8. Delivery Terms: FOR ISTRAC
9. e) Verification of local content:
  - i) The Class I local supplier/ Class II local supplier at the time to tender, bidding or solicitation shall be

required to indicate percentage of local content and provide self certification that the item offered meets the local content requirement for Class I local supplier / Class II local supplier as the case may be. They shall also give details of the location(s) at which the local value addition is made.

10. GENERAL TERMS & CONDITIONS FOR BIDDERS: For this procurement, bids from Class I & class II Local Suppliers are admissible. hence provisions contained in Public Procurement (Preference to Make in India), Order 2017 issued by Department for Promotion of Industry and Internal Trade (DIPP), Ministry of Commerce & Industries vide letter No. P 45021/2/2017 PP(BE II) dated 04.06.2020 and subsequent amendment & directives shall be followed. Accordingly, offer will be evaluated & processed in conformation with above referred GOI order (Specially mentioned below). The bidder shall provide compliance and undertaking as per order and hereafter amendments:

11. If an agent submit bid on behalf of the principal/OEM, the same agent shall not submit a bid on behalf of another principal/OEM in this tender for the same item. If submitted, all offers will be liable for rejection.

12. iii) False declarations will be in breach of the code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules (GFR) for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the general Financial Rules along with such other actions as may be permissible under Law.

13. ii) In case bid value is in excess of Rs. 10 Cr., Class I local supplier/ Class II local supplier shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.

14. In case the bidders propose any other payment terms in deviation with the standard terms mentioned in the tender enquiry, it may be noted that applicable cash flow implications will be loaded on the prices quoted for commercial comparison of the offers. If advance payments are insisted by the bidders, interest at the rate of MCLR (Marginal Cost Linked Rate) as notified by State Bank of India from time to time shall be loaded on the prices for price comparison.

15. In this tender either the Indian agent on behalf of the principal/OEM or the principal /OEM itself can bid, but both cannot bid simultaneously for the same item. Indian agents while quoting on behalf of their principals shall provide necessary latest authorisation letter obtained from their principals/manufacturers.

16. Liquidated damages: If the vendor fails to deliver the items on or before the delivery date, or any extension thereafter purchaser shall recover from the vendor as liquidated damages a sum of 0.5% of

the contract price of the undelivered stores for each calendar week of delay. The total liquidated damages shall not exceed 10% of the contract price of the unit or units so delayed.

17. Model Certificate for Tenders:

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.

18. Model Certificates for Tenders for Work involving possibility of sub contacting:

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub contracting to contracting from such countries I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority and will not sub contract any work to a contract form such countries unless such contractor is registered with the Competent Authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered.

Provide Compliance for the above in Vendor Specified Commercial Terms.

19. NO EMD AND TENDER FEE.

20. Performance Bank Guarantee (PBG) to be furnished as a security for fulfilment of warranty obligations by the successful vendor after satisfactory execution of purchase order/Contract (3% of the value of the purchase order/Contract). Central SUs/PSE/Autonomous bodies are exempted from the production of Performance Bank Guarantee. Instead; an indemnity bond shall be furnished in lieu of PBG.

21. Product Scope: Class I local supplier/ Class II local supplier shall offer only standard and catalogued product for Equipment / Spares Cards / assemblies. If the above offered Equipment / Cards / Assemblies are under development / to be developed the bid will not be considered.

22. PUBLICITY: No publicity of any kind whatsoever in case of PURCHASE ORDER shall be given by the Supplier without prior permission of the Purchaser.

23. SECRECY: The technical information, drawings, specifications and other related documents, forming part of the CONTRACT, are the property of the Purchaser and shall not be used for any other purpose, except for execution of the CONTRACT. All rights, including rights in the event of grant of patent and registration of designs are reserved. The technical information, drawings, specifications, records and other documents shall not be copied, transcribed, traced or reproduced in any other form or otherwise in whole and/or duplicated, modified, divulged and/or disclosed to a third party nor misused in any other form whatsoever without Purchasers consent in writing except to the extent required for the execution of this CONTRACT. These technical informations, drawings, specifications

and other related documents shall be returned to the Purchaser with approved copies and duplicates, if any, immediately after they have been used for the agreed purpose.

24. Senior Purchase and Stores Officer, ISTRAC, reserves the right to accept or reject any/or all the tenders in part or full without assigning any reasons thereof.

25. Submit the bid on or before due date.

26. Successful vendor has to submit the security deposit. (3 % of the value of the purchase order). Central PSUs/PSE/Autonomous bodies shall be exempted from the payment of security deposit, and instead, an indemnity bond shall be secured from them.

27. VENDORS HAS TO REFLECT THE POINT NO (4), (5) AND (6) IN THEIR BID.

28. TAXES: GST is payable as per applicable rates.

29. Foreign OEMs/Agents quoting on behalf of Foreign OEMs are not permitted to quote. High Sea Sales quotes not permitted. The bids shall be in INR only.

**5. MAKE IN INDIA UNDERTAKING (VENDORS SHALL SUBMIT THE BELOW CERTIFICATE ON THEIR LETTER HEAD DULY SIGNED)**

1. The type of Class which the vendor belongs: Class-I or Class-II Local Suppliers as defined under DPIIT Order dtd 04/06/2020- Preference to Make in India Order-2017 Revision.( Class I local supplier means a supplier or service provider, whose goods, service or works offered for procurement, has local content equal to or more than 50% & Class II local supplier means a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%). NOTE: Bidders offering imported products will fall under the category of Non-local suppliers. They cannot claim themselves as Class I Local suppliers/Class II Local suppliers by claiming the services such as transportation, insurance, installation, commissioning, training and after sales service support like AMC/CMC etc. as local value addition.

2. Percentage of local content for the quoted item.

3. Details of location (s) at which the local value addition is made

4. Provide self-certification that the item (s) offered meets the local content requirement for Class-I/Class-II Local Suppliers as the case may be.

## C. Bid Templates

### C.1 Technical Bid - Cyber Security Solution for Data Centre & Edge Locations

#### 1. Data Centre Firewall

##### Item specifications for Data Centre Firewall

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	DC-FW-Requirements-1	Vendor shall quote for Data Centre Firewall(s) along with log analysis systems, centralized management devices, syslog servers with following specifications	Yes / No / Explain		
2	DC-FW-Requirements-2	The Firewall(s) shall be deployed in Bangalore and Lucknow. Vendor is responsible for deployment of the Firewall(s) and other components in both the data centre. Vendor shall provide the 42U rack with all required redundant power distribution (C13-C14 type) cables & units, 1U & 2U blanks, cable ties, rack accessories, exhaust fans or any other components required for the completion of the installation. The deployment of the all Firewall(s) and any other deliverables is the sole responsibility of the vendor. The required redundant UPS power supply to the racks shall be provided by ISTRAC	Yes / No / Explain		

3	DC-FW-Requirements-3	Each of the two data centre shall be deployed with 4 No's of hardware appliance based Firewall(s) with either ASIC based or muticore CPU based architecture with purpose built next generation Firewall(s) software/firmware, 2 No's of syslog servers, 1 No's of log analysis systems, 1 No's of centralized management systems. Vendor shall quote the hardware for both the data centre. The quantities reflected in the below specifications is for 1 data centre and similar quantity to be supplied in another data centre. In no case any of the hardware can be shared across the two data centre and must be independently supplied even if not explicitly mentioned	Yes / No / Explain		
4	DC-FW-Requirements-4	Vendor shall quote for the 4 no's data centre Firewall(s) for each of the two data centre(s) with the following detailed specifications	Yes / No / Explain		
5	DC-FW-Requirements-5	Vendor shall provide the make and model of the offered hardware. if no make and model is provided, the offer shall be rejected	Yes / No / Explain		



6	DC-FW-Requirements-6	Vendor shall mandatorily supply the data sheet of the offered Firewall(s) with URL of the published datasheet on the internet. The datasheet and the offered product must be hosted on the OEM website. Any other shared link is not acceptable.	Yes / No / Explain		
7	DC-FW-Requirements-7	Vendor must note that offered hardware must provide the next generation Firewall(s) capabilities and must not be software based Firewall(s) running on general purpose linux or any virtualized platform. The offered hardware based Firewall(s) must provide non-blocking architecture and wire-speed performance.	Yes / No / Explain		
8	DC-FW-Requirements-8	The offered Firewall(s) must be purpose built Firewall(s) with specialised Firewall(s) OS and not any linux systems with open-source/proprietary software. Vendor must provide the details of Firewall OS. The offered Firewall(s) must be a commercial Firewall with proven deployment in Government or any large enterprise in last 24 months.	Yes / No / Explain		

9	DC-FW-Requirements-9	The proposed Firewall(s) must incorporate both hardware and software-level security methods to safeguard against supply chain attacks, eavesdropping, and tampering of software running on the hardware. At a minimum, these security controls should include image signing, hardware-based secure boot, runtime defenses, encrypted storage.	Yes / No / Explain		
10	DC-FW-Requirements-10	The offered data centre Firewall(s) must be of an identical configuration. Mix and match of the multiple hardware devices to meet the functional requirement is not acceptable.	Yes / No / Explain		
11	DC-FW-Requirements-11	The offered data centre Firewall(s) are required to be connected via multiple WAN links to enable communication between the data centres and to provide connectivity with the remote location. The offered Firewall(s) must have at least 2 No's of 1G copper ports and 2 No's of 1/10G fiber ports for meeting this requirement	Yes / No / Explain		

12	DC-FW-Requirements-12	The offered data centre Firewall(s) required to connect to multiple remote locations via multiple connectivity gateways, service providers. The offered Firewall(s) must have minimum 4 No's of 1G coppers ports and 4 No's of 1/10G fiber ports for remote stations connectivity. This requirement is different from the WAN connectivity between the data centre and must be factored separately.	Yes / No / Explain		
13	DC-FW-Requirements-13	The offered data centre Firewall(s) must have either dedicated HA ports in redundant configuration or shall be able to configure any port(s) as HA port. Minimum 1 No's of 1/10G Fiber port and 1 No of 1G copper port must be reserved in the Firewall(s) for this requirement. The HA ports must be an exclusive ports and must not be used for any other requirements stated above.	Yes / No / Explain		
14	DC-FW-Requirements-14	The offered data centre Firewall(s) shall required to connect to multiple isolated servers farms behind the data centre Firewall(s)s. Minimum 6 No's of additional 1/10G fiber ports are required to be offered in the Firewall(s) to meet this functional requirement.	Yes / No / Explain		

15	DC-FW-Requirements-15	<p>The offered Firewall(s) must support clustering multiple Firewall(s) and shall allow up to 4 Firewall(s) in a single cluster. The required number of ports for the clustering must be factored. All the required connectivity such as L2/L3 switches to meet this requirement must be supplied by the vendor. Vendor must clearly indicate whether any additional switch(s) are required to meet this requirements and if required, switch must be supplied. If the offered Firewall(s) does not support clustering more than 2 Firewall(s) in the single cluster because of the different mode of implementation; In such cases, vendor shall implement 2 independent clusters with cluster of 2 Firewall(s) in each cluster and shall provide an additional 2 No's of 24 Port 10G SFP+ fiber switch with minimum 8 No's of SFP+ LR transceivers loaded in each switch for connecting the two clusters.</p>	Yes / No / Explain		
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16	DC-FW-Requirements-16	<p>Firewall(s) shall be deployed in different physical/geographical locations.</p> <p>Firewall(s) may be deployed in the active/active configuration or Active/passive configuration in each location depending on the network plan.</p> <p>All the modes must be supported from day 1 and all the required licenses for the same must be offered</p>	Yes / No / Explain		
17	DC-FW-Requirements-17	<p>Vendor shall note that there are multiple servers farms behind the Firewall(s) each with different levels of trusts and thus the offered Firewall(s) must support multi-tenancy and must support minimum 5 No's of tenants.</p> <p>Each tenant must have a dedicated physical ports, Firewall(s) policies and administrators. If multi-tenancy is not supported on the hardware, vendor may choose to offer 1 dedicated Firewall(s) per tenant. The dedicated Firewall(s) thus offered must match the overall performance requirements and interface requirements.</p>	Yes / No / Explain		

18	DC-FW-Requirements-18	<p>The offered Firewall(s) shall allow partitioning the physical ports of the Firewall(s) into virtual partitions and minimum 5 partitions must be supported on the firewall. Each partitions must have dedicated Firewall(s) ports, independent administrators and shall able to configure independent Firewall(s) rules. Virtual instances/partitions if required to communicate with each other must be supported through either physical shared port or virtual configuration</p>	Yes / No / Explain		
19	DC-FW-Requirements-19	<p>Firewall(s) must be reliable and high performance hardware with accelerated FPGA/ASIC hardware or multicore CPU architecture with 64 bit hardened OS. The offered hardware is required to provide similar performance even during peak load condition</p>	Yes / No / Explain		

20	DC-FW-Requirements-20	Vendor shall quote for next generation Firewall(s) (NGFW) with advance IPS/IDS, Gateway Antivirus, Data Leak Prevention, URL Filtering Capabilities, Application Control, Zero Day threat protection, OT subscription and Threat Intel subscription. All the functionalities should be operational from day 1 and shall be offered for the entire warranty duration. All the required licenses to be offered. If the third party threat subscription is provided, the subscription should be premium.	Yes / No / Explain		
21	DC-FW-Requirements-21	Vendor shall quote for Firewall(s) within 2U form factor only.	Yes / No / Explain		
22	DC-FW-Requirements-22	Firewall(s) shall be deployed in dark site in a mission critical environment and shall be part of the data centre network and is required to operate 24 X 7. The offered hardware shall have no single point of failure including local storage devices.	Yes / No / Explain		
23	DC-FW-Requirements-23	Firewall(s) shall be supplied with minimum 4 No's of 1G Copper transceivers along with 4 No's of 5m Cat6 patch cords	Yes / No / Explain		
24	DC-FW-Requirements-24	Firewall(s) shall be supplied with 4 No's of 1G SFP transceivers compatible with the offered Firewall(s). Vendor shall quote 4 No's of 5m Single mode fiber cables (LC-LC) along with the Firewall(s)	Yes / No / Explain		

25	DC-FW-Requirements-25	Firewall(s) must provide minimum 8 No's of 10G SFP+ LR transceivers. Vendor shall quote 8 No's of 5m Single mode fiber cables (LC-LC) along with each Firewall(s)	Yes / No / Explain		
26	DC-FW-Requirements-26	Firewall(s) must provide minimum 4 No's of 10G SFP+ SR transceivers along with 4 No's of 5m multimode fiber cables (LC-LC)	Yes / No / Explain		
27	DC-FW-Requirements-27	Firewall(s) shall be required to be deployed behind ISP routers and required to be connected to the multiple routers at the end locations. Also multiple WAN links from the end customer may also be required to be terminated into the Firewall(s). Firewall(s) shall be supplied with 2 No of 24 Ports + 4 X 1G SFP Layer-3 switch with redundant power supply with support of PIM, BGP and static routing protocols. The offered switch must be MII Class-1 switch with minimum 60% local content only. The switches shall be offered with same warranty as the offered Firewall(s).	Yes / No / Explain		



28	DC-FW-Requirements-28	<p>Firewall(s) shall be required to connect to the WAN router supplied by service provider onsite and the network routes are exchanged via OSPF and BGP. The offered Firewall(s) shall support eBGP and iBGP peering. If the offered Firewall(s) does not support BGP and OSPF, vendor may choose to offer 1 No's hardware based BGP supported router along with Firewall(s).</p>	Yes / No / Explain		
29	DC-FW-Requirements-29	<p>It is required to switch immediately between multiple ISP's link in case of failure. Routes are exchanged to Firewall(s) through BGP and thus BFD or equivalent protocol must be supported on Firewall(s) for faster detection and convergence.</p>	Yes / No / Explain		
30	DC-FW-Requirements-30	<p>Edge Firewall(s) shall be deployed in different locations and all the locations are required to be connected via secure VPN links to DC Firewall(s) and end customers also required to be connected via VPN. The offered Firewall(s) must support IPSEC site to site VPN and shall be offered with minimum 1000 VPN links. The aggregate performance with site to site VPN must be minimum 10 Gbps.</p>	Yes / No / Explain		

31	DC-FW-Requirements-31	The offered Firewall(s) must also support client to site VPN configuration using IPSEC and SSL/TLS with support for 1000 VPN tunnels	Yes / No / Explain		
32	DC-FW-Requirements-32	The offered Firewall(s) must allow or deny access to the Firewall(s) or systems/networks behind Firewall(s) from the specific country. Firewall(s) shall allow creation of such policies based on Geo-location. This is mandatory requirement to restrict access of remote Firewall(s) from the whitelisted IP and access of systems/network behind Firewall(s) from a group of selected countries.	Yes / No / Explain		
33	DC-FW-Requirements-33	Should support the capability to quarantine end point by integrating with other security solution like Network Admission Control	Yes / No / Explain		
34	DC-FW-Requirements-34	Firewall(s) shall be offered with secured hardware design and with TPM compliance.	Yes / No / Explain		

35	DC-FW-Requirements-36	Firewall(s) shall be configurable to support IPS/IDS configuration with heuristic analysis, signature based inspection, exploit-based signatures, vulnerability-based rules, protocol anomaly detection, and behavioural anomaly detection techniques. . All the licenses required for the activation of IPS/IDS features must be offered for the entire warranty period.	Yes / No / Explain		
36	DC-FW-Requirements-37	Should have the capability of passively gathering information about virtual machine traffic, network hosts and their activities, such as operating system, services, open ports, client applications, and vulnerabilities, to assist with multiple activities, such as intrusion event data correlation, elimination of false positives, and policy compliance. Capability can be provided either natively or by using an agent based solution. In case of agent based solution required hardware/software subscription must be included from day 1	Yes / No / Explain		
37	DC-FW-Requirements-38	Vendor shall quote for Firewall(s) with minimum 21Gbps stateful Firewall(s) throughput	Yes / No / Explain		

38	DC-FW-Requirements-39	Vendor shall quote Firewall(s) with minimum 21 Gbps of Firewall(s) performance even with AV, IPS enabled with packet size of 1024 Bytes minimum. If the Firewall(s) performance is calculated or provided based on lower packet size, then the performance of the Firewall(s) shall be deemed calculated by imposing a performance penalty of around 10% over and above the mathematical adjustment of the data packet to 1024 Bytes. if the performance numbers are defined for 1518 bytes, then they are downsized to 1024B mathematically without imposition of any penalty for the fair comparison	Yes / No / Explain		
39	DC-FW-Requirements-40	The offered Firewall(s) must have the detection engine that should support capability of detecting and preventing a wide variety of threats (e.g., network probes/reconnaissance, VoIP attacks, buffer overflows, P2P attacks, etc.).	Yes / No / Explain		
40	DC-FW-Requirements-41	Firewall(s) must provide a minimum throughput of 6 Gbps on TLS sessions with minimum AES256 encryption. This is required for secure & timely exchange of data over a TLS sessions between software at DC and edge locations.	Yes / No / Explain		

41	DC-FW-Requirements-42	Firewall(s) shall be configured for Site-site VPN for secure exchange, the minimum 8 Gbps throughput must be support. The offered Firewall(s) must support VPN offload.	Yes / No / Explain		
42	DC-FW-Requirements-43	Firewall(s) must support VPN load balancing, Application Visibility Control with support for minimum 6000+ application and URL Filtering with support for more than 100+ categories and 250M+ URL's	Yes / No / Explain		
43	DC-FW-Requirements-44	Firewall(s) must support minimum 4 Millions concurrent TCP connections with layer 7 Firewall(s) and Application Visibility enabled at any point of time.	Yes / No / Explain		
44	DC-FW-Requirements-45	Firewall(s) must support minimum 120,000 new sessions per second with Layer 7 Firewall(s) and Application Visibility AV enabled.	Yes / No / Explain		
45	DC-FW-Requirements-46	Firewall(s) shall be offered with support of Virtual router and forwarding instance and shall allow routing between virtual routing instances. Firewall(s) must support minimum 5 no's of virtual router and forwarding date.	Yes / No / Explain		
46	DC-FW-Requirements-47	Firewall(s) shall support both source based NAT and destination NAT with all combinations including NAT 44, NAT 66, NAT 64, NAT 66	Yes / No / Explain		
47	DC-FW-Requirements-48	Firewall(s) shall support 1:1, N:1, N:N NAT	Yes / No / Explain		

48	DC-FW-Requirements-49	Firewall(s) must support connecting multiple WAN links and shall be able to configure one link as primary and other links as backup/secondary links.	Yes / No / Explain		
49	DC-FW-Requirements-50	In case of primary WAN link failover, Firewall(s) must automatically re-route all sessions to secondary links.	Yes / No / Explain		
50	DC-FW-Requirements-51	Firewall(s) must support configuring multiple WAN links in load balanced, round-robin and weighted configuration	Yes / No / Explain		
51	DC-FW-Requirements-52	Solution should support Policy based routing based on parameter likes source port, destination address, destination port, protocol, applications, or a combination of these objects. Also PBR policy should rely on flexible metrics, such as round trip time, jitter, mean opinion score, and packet loss of the interfaces to identify the best routing path for its traffic	Yes / No / Explain		
52	DC-FW-Requirements-53	Firewall(s) port shall be connected to a dedicated datacentre network with each network further extended upto 64 subnets. All the inter-vlan traffic must be routed through Firewall(s) in such scenario and Firewall(s) must support upto maximum of 64 VLAN's per offered port(s)	Yes / No / Explain		

53	DC-FW-Requirements-54	Firewall(s) must allow multiple physical ports to be configured as hardware/software defined virtual switch and shall allow creation of VLAN on the switches.	Yes / No / Explain		
54	DC-FW-Requirements-55	Firewall(s) shall allow creation of Firewall(s) policies by defining source address and destination address in the Firewall(s) rule.	Yes / No / Explain		
55	DC-FW-Requirements-56	Vendor shall note that data centre traffic is received via multicast and Firewall(s) must support multicast protocols such as IGMP and PIM. Firewall(s) must allow configuring Firewall(s) rules based on multicast address and must be able to allow/disallow a specific Firewall(s) port(s)	Yes / No / Explain		
56	DC-FW-Requirements-57	Firewall(s) shall support load balancing of incoming UDP, TCP, HTTP, HTTPS sessions to multiple physical devices connected to the Firewall(s) or a dedicated server load balancer shall be offered with the Firewall(s).	Yes / No / Explain		
57	DC-FW-Requirements-58	Firewall(s) shall provide web url filtering based on DNS filtering, IP reputation, category base filtering, individual URL	Yes / No / Explain		
58	DC-FW-Requirements-59	Firewall(s) shall allow creation of custom category for defining exemptions or blocking in the Firewall(s)s.	Yes / No / Explain		

59	DC-FW-Requirements-60	Firewall(s) shall have a dedicated 1 No's of console port and 1 No's of RJ45 management port	Yes / No / Explain		
60	DC-FW-Requirements-61	Firewall(s) shall allow integrating with existing LDAP servers	Yes / No / Explain		
61	DC-FW-Requirements-62	Firewall(s) shall allow administration from web as well as using CLI	Yes / No / Explain		
62	DC-FW-Requirements-63	Firewall(s) shall allow restricting access of Firewall(s) from whitelisted IP	Yes / No / Explain		
63	DC-FW-Requirements-64	Firewall(s) shall allow creation of multiple administrator, global administrators, read only administrators and administrators with selected capabilities.	Yes / No / Explain		
64	DC-FW-Requirements-65	Vendor shall quote for Firewall(s) with hot swappable and field replaceable redundant power supply	Yes / No / Explain		
65	DC-FW-Requirements-66	Vendor shall quote for Firewall(s) with hot swappable and field replaceable redundant fans.	Yes / No / Explain		
66	DC-FW-Requirements-67	Vendor shall quote Firewall(s) that has been tested/proven to work upto 40-45 degree celcius	Yes / No / Explain		



67	DC-FW-Requirements-68	Vendor shall logs all the security events, traffic events, admin events and shall store all the logs in the local hard drive. The average traffic per day is approximately 600MB/day and peak upto 750MB/day and logs needs to be retained in the local disk for a minimum duration of 1000 days. The offered Firewall(s) shall be offered with minimum 2 disk in RAID-1 configuration. The offers with single disk shall be rejected.	Yes / No / Explain		
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68	DC-FW-Requirements-69	The Firewall(s) must support sending logs to remote syslog servers. It should be capable of sending logs to two different data centres, allowing configuration of at least two remote syslog servers. The solution should include a syslog server that can ingest logs related to IPS, malware, connections, VPN, sessions, etc., which can then be retrieved from the central management console during forensic analysis without the need to log into the syslog server. If the Firewall(s) does not support multiple syslog servers, the vendor must provide one synchronization server in each data center to synchronize the syslog's. The necessary connectivity between syslog servers will be provided by ISTRAC.	Yes / No / Explain		
69	DC-FW-Requirements-70	Firewall(s) shall be offered with 5 years 24 X 7 comprehensive warranty including hardware, software, subscriptions, licenses.	Yes / No / Explain		
70	DC-FW-Requirements-71	The warranty shall start from the date of the acceptance of the product	Yes / No / Explain		
71	DC-FW-Requirements-72	Any failed hard disk during warranty period shall not returned during warranty replacements.	Yes / No / Explain		

72	DC-FW-Requirements-73	Vendor shall quote Firewall(s) with redundant power supply and all the required cables to be offered	Yes / No / Explain		
73	DC-FW-Requirements-74	The Firewall(s) shall be offered with the required rackmount kit for the deployment.	Yes / No / Explain		
74	DC-FW-Requirements-75	Vendor shall provide the detailed bill of quantities along with the offer. The bill of quantities must clearly reflect the make, model, part no of the offered hardware, description of the part nos, quantities. The bill of material must include the warranty details, support details, transceivers, subscriptions, hardware, software, components or any other deliverable clearly	Yes / No / Explain		
75	DC-FW-Requirements-76	Vendor must note that offer without complete Bill of material/quantities or incomplete bill of material/quantities shall be rejected. It is the responsibility of the vendor that bill of material/quantities is duly attached with the offer without fail	Yes / No / Explain		

76	DC-FW-Requirements-77	Vendor must provide an authorization letter from OEM to participate in this Bid. In case no OEM authorization letter is not provided by the vendor or OEM authorization letter is provided with a date later than the bid opening date, the bid is deemed invalid and shall be automatically rejected without seeking any clarifications	Yes / No / Explain		
77	DC-FW-Requirements-78	Vendor must provide an authorization letter from OEM that offered hardware is not an obsolete hardware and shall be supported by OEM till entire period of the warranty period. If any time during warranty period, the offered hardware is not compatible with the latest firmware/software, vendor shall replace the hardware with equivalent or set of equivalent hardware with matching performance and interfaces at no extra cost to ISTRAC	Yes / No / Explain		

## 2. Edge Firewall for remote locations

### Item specifications for Edge Firewall

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	RemoteFW-Requirements-1	Vendor shall quote for 64 No's of remote station Firewall(s) with following specifications	Yes / No / Explain		

2	RemoteFW-Requirements-2	Firewall(s) shall be deployed across different part of the country (Bangalore, Lucknow, Udaipur, Jodhpur, Gaggal, Pune, Bhopal, Shillong, Hassan, Mahendragiri, Portblair, Kavarrati, Ahmedabad, Faridabad, Bhubneswar, Kolkata, Hyderabad, Dehradun, Trivandrum). Vendor shall provide a support in all the locations.	Yes / No / Explain		
3	RemoteFW-Requirements-3	Firewall(s) shall also be deployed in Foreign locations such as Germany, France, South Africa, Newzealand, Australia, UAE, Italy, Japan, Netherlands. Vendor shall provide necessary technical support in all these locations.	Yes / No / Explain		
4	RemoteFW-Requirements-4	Vendor shall quote for 64 No's of Firewall(s) with a hardware based Firewall(s) appliance or set of hardware appliances to meet the following functional requirements. If the requirements are not met by a single hardware, vendor may choose to offer multiple hardware in Clustered configuration to meet the functional requirements. Vendor must note that offered hardware or a set of hardware must meet all the specifications.	Yes / No / Explain		
5	RemoteFW-Requirements-5	Vendor must note that software based Firewall(s) is not acceptable.	Yes / No / Explain		

6	RemoteFW-Requirements-6	The offered Firewall(s) must allow or deny access to the Firewall(s) or systems/networks behind Firewall(s) from the specific country. Firewall(s) shall allow creation of such policies based on Geo-location. This is mandatory requirement to restrict access of remote Firewall(s) from the whitelisted IP and access of systems/network behind Firewall(s) from a group of selected countries.	Yes / No / Explain		
7	RemoteFW-Requirements-7	The offered Firewall(s) must be purpose built Firewall(s) with specialised Firewall(s) OS and not any linux systems with open-source/proprietary software. Vendor must provide the details of Firewall(s) OS.	Yes / No / Explain		
8	RemoteFW-Requirements-8	Firewall(s) must be reliable and high performance hardware with accelerated FPGA/ASIC hardware or multicore CPU architecture with 64 bit hardened OS. The offered hardware is required to provide similar performance even during peak load condition	Yes / No / Explain		

9	RemoteFW-Requirements-9	Vendor shall quote for next generation Firewall(s) (NGFW) with advance IPS/IDS, Gateway Antivirus, Data Leak Prevention, URL Filtering Capabilities, Application Control, OT Security, Threat Intel subscription. All the functionalities should be operational from day 1 and shall be offered for the entire warranty duration. All the required licenses to be offered.	Yes / No / Explain		
10	RemoteFW-Requirements-10	Vendor shall quote for Firewall(s) within 1U form factor only due to the constraint of available rack space	Yes / No / Explain		
11	RemoteFW-Requirements-11	Firewall(s) shall be deployed in dark site in a mission critical environment and shall be part of the data centre network and is required to operate 24 X 7. The offered hardware shall have no single point of failure.	Yes / No / Explain		
12	RemoteFW-Requirements-12	Vendor shall note that each remote station Firewall(s) must connect to data centre Firewall(s) via redundant communication links and minimum 2 No's of 1G copper and 2 No's of 1/10G SFP fiber ports must be offered for meeting this functional requirement	Yes / No / Explain		

13	RemoteFW-Requirements-13	Vendor shall note that each remote station has multiple isolated networks behind Firewall(s)s which needs to be deployed on dedicated physical ports for complete isolation and hence minimum 4 No's of additional 1G copper ports and 4 No's of 1/10G Fiber ports must be offered over and above the other requirements	Yes / No / Explain		
14	RemoteFW-Requirements-14	Firewall(s) shall be supplied with 4 No's of 1G SFP transceivers, 4 No's of 10G Transceivrs compatible with the offered Firewall(s). Vendor shall quote 8 No's of 5m Single mode fiber cables (LC-LC) along with the Firewall(s)	Yes / No / Explain		
15	RemoteFW-Requirements-15	Vendor shall allow configuring 2 No's of ports for high availability configuration/heartbe at. The HA port must be dedicated physical port and shall be exclusively used for HA purpose without compromising the other functional requirements stated in the specifications	Yes / No / Explain		



16	RemoteFW-Requirements-16	<p>Firewall(s) shall be deployed in different physical/geographical locations.</p> <p>Firewall(s) may be deployed in the active/active configuration or Active/passive configuration in each location depending on the network plan.</p> <p>All the modes must be supported from day 1 and all the required licenses for the same must be offered</p>	Yes / No / Explain		
17	RemoteFW-Requirements-17	<p>Vendor shall quote for Firewall(s) with support to add in future 8 No's of 1/10 Fiber ports in the future. If the future expansion slots are not available in the offered firewall, vendor shall quote the hardware with the required additional ports without any transceivers.</p>	Yes / No / Explain		
18	RemoteFW-Requirements-18	<p>Firewall(s) shall be required to be deployed behind ISP routers and required to be connected to the multiple routers at the end locations. Also multiple WAN links from the end customer may also be required to be terminated into the Firewall(s).</p> <p>Firewall(s) shall be supplied with 1 No of Layer-3 switch with redundant power supply with support of PIM, BGP and static routing protocols. The offered switch must be MII Class-1 switch with 60% local content only.</p> <p>The switches shall be offered with same warranty as the offered Firewall(s).</p>	Yes / No / Explain		

19	RemoteFW-Requirements-19	<p>Firewall(s) shall be required to connect to the WAN router supplied by service provider onsite and the network routes are exchanged via OSPF and BGP.</p> <p>The offered Firewall(s) shall support eBGP and iBGP peering. If the offered Firewall(s) does not support BGP and OSPF, vendor may choose to offer 1 No's hardware based BGP supported router along with Firewall(s).</p>	Yes / No / Explain		
20	RemoteFW-Requirements-20	<p>It is required to switch immediately between multiple ISP's link in case of failure. Routes are exchanged to Firewall(s) through BGP and thus BFD or equivalent protocol must be supported on Firewall(s) for faster detection and convergence.</p>	Yes / No / Explain		
21	RemoteFW-Requirements-21	<p>Firewall(s) shall be deployed in different locations and all the locations are required to be connected via secure VPN links and end customers also required to be connected via VPN. The offered Firewall(s) must support IPSEC site to site VPN and shall be offered with minimum 1000 VPN links. The aggregate performance with site to site VPN must be minimum 5Gbps.</p>	Yes / No / Explain		
22	RemoteFW-Requirements-22	<p>The offered Firewall(s) must also support client to site VPN configuration using IPSEC.</p>	Yes / No / Explain		

23	RemoteFW-Requirements-23	Should support the capability to quarantine end point by integrating with other security solution like Network Admission Control	Yes / No / Explain		
24	RemoteFW-Requirements-24	Firewall(s) shall be offered with secured hardware design and with TPM compliance.	Yes / No / Explain		
25	RemoteFW-Requirements-25	Vendor shall quote Firewall(s) with support for IPS and IDS functionality, Should support more than 15,000+ (excluding custom signatures) IPS signatures or more. Should support capability to configure correlation rule where multiple rules/event can be combined together for better efficacy. The offered Firewall(s) must also provide anti-malware capability	Yes / No / Explain		
26	RemoteFW-Requirements-26	Firewall(s) shall be configurable to support IPS/IDS configuration with heuristic analysis, signature based inspection, exploit-based signatures, vulnerability-based rules, protocol anomaly detection, and behavioural anomaly detection techniques. . All the licenses required for the activation of IPS/IDS features must be offered for the entire warranty period.	Yes / No / Explain		

27	RemoteFW-Requirements-27	Should have the capability of passively gathering information about virtual machine traffic, network hosts and their activities, such as operating system, services, open ports, client applications, and vulnerabilities, to assist with multiple activities, such as intrusion event data correlation, elimination of false positives, and policy compliance. Capability can be provided either natively or by using an agent based solution. In case of agent based solution required hardware/software subscription must be included from day 1	Yes / No / Explain		
28	RemoteFW-Requirements-28	Vendor shall quote for Firewall(s) with minimum 10Gbps stateful Firewall(s) throughput	Yes / No / Explain		
29	RemoteFW-Requirements-29	Vendor shall quote Firewall(s) with minimum 10 Gbps of Firewall(s) performance even with AV, IPS enabled with packet size of 1024B minimum. If the Firewall(s) performance is calculated or provided based on lower packet size, then the performance of the Firewall(s) shall be deemed calculated by imposing a performance penalty of around 10% over and above the mathematical adjustment of the data packet to 1024 Bytes .	Yes / No / Explain		

30	RemoteFW-Requirements-30	The detection engine should support capability of detecting and preventing a wide variety of threats (e.g., network probes/reconnaissance, VoIP attacks, buffer overflows, P2P attacks, etc.).	Yes / No / Explain		
31	RemoteFW-Requirements-31	Firewall(s) must provide a minimum throughput of 3 Gbps on TLS sessions with minimum AES256 encryption. This is required for secure timely exchange of data	Yes / No / Explain		
32	RemoteFW-Requirements-32	Firewall(s) shall be configured for Site-site VPN for secure exchange, the minimum 5 Gbps throughput must be support. The offered Firewall(s) must support VPN offload.	Yes / No / Explain		
33	RemoteFW-Requirements-33	Firewall(s) must support VPN load balancing, Application Visibility Control with support for minimum 6000+ application and URL Filtering with support for more than 100+ categories and 250M+ URL's	Yes / No / Explain		
34	RemoteFW-Requirements-34	Firewall(s) must support minimum 1.5 Millions concurrent TCP connections with layer 7 Firewall(s) and Application Visibility enabled at any point of time.	Yes / No / Explain		
35	RemoteFW-Requirements-35	Firewall(s) must support minimum 90,000 new sessions per second with Layer 7 Firewall(s) and Application Visibility AV enabled.	Yes / No / Explain		

36	RemoteFW-Requirements-36	Firewall(s) shall be offered with support of Virtual router and forwarding instance and shall allow routing between virtual routing instances. Firewall(s) must support minimum 5 no's of virtual router and forwarding instances	Yes / No / Explain		
37	RemoteFW-Requirements-37	Firewall(s) shall support both source based NAT and destination NAT with all combinations including NAT 44, NAT 66, NAT 64, NAT 66	Yes / No / Explain		
38	RemoteFW-Requirements-38	Firewall(s) shall support 1:1, N:1, N:N NAT	Yes / No / Explain		
39	RemoteFW-Requirements-39	Firewall(s) must support connecting multiple WAN links and shall be able to configure one link as primary and other links as backup/secondary links.	Yes / No / Explain		
40	RemoteFW-Requirements-40	In case of primary WAN link failover, Firewall(s) must automatically re-route all sessions to secondary links.	Yes / No / Explain		
41	RemoteFW-Requirements-41	Firewall(s) must support configuring multiple WAN links in load balanced, round-robin and weighted configuration	Yes / No / Explain		

42	RemoteFW-Requirements-42	Solution should support Policy based routing based on parameter likes source port, destination address, destination port, protocol, applications, or a combination of these objects. Also PBR policy should rely on flexible metrics, such as round trip time, jitter, mean opinion score, and packet loss of the interfaces to identify the best routing path for its traffic	Yes / No / Explain		
43	RemoteFW-Requirements-43	Firewall(s) port shall be connected to a dedicated datacentre network with each network further extended upto 64 subnets. All the inter-vlan traffic must be routed through Firewall(s) in such scenario and Firewall(s) must support upto maximum of 64 VLAN's per offered port(s)	Yes / No / Explain		
44	RemoteFW-Requirements-44	Firewall(s) must allow multiple physical ports to be configured as hardware/software defined virtual switch and shall allow creation of VLAN on the switches.	Yes / No / Explain		
45	RemoteFW-Requirements-45	Firewall(s) shall allow creation of Firewall(s) policies by defining source address and destination address in the Firewall(s) rule.	Yes / No / Explain		

46	RemoteFW-Requirements-46	Vendor shall note that data centre traffic is received via multicast and Firewall(s) must support multicast protocols such as IGMP and PIM. Firewall(s) must allow configuring Firewall(s) rules based on multicast address and must be able to allow/disallow a specific Firewall(s) port(s)	Yes / No / Explain		
47	RemoteFW-Requirements-47	Firewall(s) shall support load balancing of incoming UDP, TCP, HTTP, HTTPS sessions to multiple physical devices connected to the Firewall(s) or a dedicated server load balancer shall be offered with the Firewall(s).	Yes / No / Explain		
48	RemoteFW-Requirements-48	Firewall(s) shall provide web url filtering based on DNS filtering, IP reputation, category base filtering, individual URL	Yes / No / Explain		
49	RemoteFW-Requirements-49	Firewall(s) shall allow creation of custom category for defining exemptions or blocking in the Firewall(s)s.	Yes / No / Explain		
50	RemoteFW-Requirements-50	Firewall(s) shall have a dedicated 1 No's of console port and 1 No's of RJ45 management port	Yes / No / Explain		
51	RemoteFW-Requirements-51	Firewall(s) shall allow integrating with existing LDAP servers	Yes / No / Explain		
52	RemoteFW-Requirements-52	Firewall(s) shall allow administration from web as well as using CLI	Yes / No / Explain		
53	RemoteFW-Requirements-53	Firewall(s) shall allow restricting access of Firewall(s) from whitelisted IP	Yes / No / Explain		



54	RemoteFW-Requirements-54	Firewall(s) shall allow creation of multiple administrator, global administrators, read only administrators and administrators with selected capabilities.	Yes / No / Explain		
55	RemoteFW-Requirements-55	Vendor shall quote for Firewall(s) with hot swappable and field replaceable redundant power supply	Yes / No / Explain		
56	RemoteFW-Requirements-56	Vendor shall quote for Firewall(s) with hot swappable and field replaceable redundant fans.	Yes / No / Explain		
57	RemoteFW-Requirements-57	Vendor shall quote Firewall(s) that shall work between 0 degree Celsius to 40 Degree Celsius in normal operating conditions	Yes / No / Explain		
58	RemoteFW-Requirements-58	Vendor shall logs all the security events, traffic events, admin events and shall store all the logs in the local hard drive. The average traffic per day is approximately 300MB/day and peak upto 450MB/day and logs needs to be retained in the local disk for a minimum duration of 1000 days. The offered Firewall(s) shall be offered with minimum 2 disk in RAID-1 configuration.	Yes / No / Explain		

59	RemoteFW-Requirements-59	<p>The Firewall(s) must support sending logs to remote syslog servers. It should be capable of sending logs to two different data centres, allowing configuration of at least two remote syslog servers. The solution should include a syslog server that can ingest logs related to IPS, malware, connections, VPN, sessions, etc., which can then be retrieved from the central management console during forensic analysis without the need to log into the syslog server. If the Firewall(s) does not support multiple syslog servers, the vendor must provide one synchronization server in each data center to synchronize the syslog's. The necessary connectivity between syslog servers will be provided by ISTRAC.</p>	Yes / No / Explain		
60	RemoteFW-Requirements-60	<p>Firewall(s) shall be offered with 5 years 24 X 7 comprehensive warranty including hardware, software, subscriptions, licenses</p>	Yes / No / Explain		

61	RemoteFW-Requirements-61	During any time during warranty, if the hardware is declared end of support or new firmware/software is not compatible with the old version of the hardware, vendor shall replace the hardware with a new latest hardware or a set of hardware with matching performance and interfaces at no extra cost to the ISTRAC	Yes / No / Explain		
62	RemoteFW-Requirements-62	Any failed hard disk during warranty period shall not returned during warranty replacements.	Yes / No / Explain		
63	RemoteFW-Requirements-63	Vendor shall quote Firewall(s) with redundant power supply and all the required cables to be offered	Yes / No / Explain		
64	RemoteFW-Requirements-64	The Firewall(s) shall be offered with the required rackmount kit for the deployment.	Yes / No / Explain		
65	RemoteFW-Requirements-65	Vendor shall provide the detailed bill of quantities along with the offer. The bill of quantities must clearly reflect the make, model, part no of the offered hardware, description of the part nos, quantities. The bill of material must include the warranty details, support details, transceivers, subscriptions, hardware, software, components or any other deliverable clearly	Yes / No / Explain		

66	RemoteFW-Requirements-66	Vendor must note that offer without complete Bill of material/quantities or incomplete bill of material/quantities shall be rejected. It is the responsibility of the vendor that bill of material/quantities is duly attached with the offer without fail	Yes / No / Explain		
67	RemoteFW-Requirements-67	Vendor must provide an authorization letter from OEM to participate in this Bid. In case no OEM authorization letter is not provided by the vendor or OEM authorization letter is provided with a date later than the bid opening date, the bid is deemed invalid and shall be automatically rejected without seeking any clarifications	Yes / No / Explain		
68	RemoteFW-Requirements-68	Vendor must provide an authorization letter from OEM that offered hardware is not an obsolete hardware and shall be supported by OEM till entire period of the warranty period. If any time during warranty period, the offered hardware is not compatible with the latest firmware/software, vendor shall replace the hardware with equivalent or set of equivalent hardware with matching performance and interfaces at no extra cost to ISTRAC	Yes / No / Explain		

### 3. Syslog Servers

#### Item specifications for Syslog Servers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Syslog-Requirements-1	Vendor shall quote for 2 No's of syslog servers for each data centre with the following configuration and mandatory Class-I compliance. This specifications below are for the one data center and same configuration must be deployed in both the data center	Yes / No / Explain		
2	Syslog-Requirements-2	Vendor shall quote for 2 Nos of servers with not more than 2U form factors due to constraint of rack space in the data centre. The offers with form factor greater than 2U are not accepted.	Yes / No / Explain		
3	Syslog-Requirements-3	Servers shall be offered with required rack mount hardware kit. Vendor shall be responsible for deployment of servers in the racks provided by ISTRAC. Vendor shall require to deploy servers in both the locations. The syslog software must be deployed as Linux VM . All the required virtualization software, redhat linux OS and other details must be offered by vendor.	Yes / No / Explain		
4	Syslog-Requirements-4	Vendor shall quote for 1 No's of Intel Xeon 5th Generation processor or an equivalent or better Intel/AMD processor with at least 16 physical cores per processor and minimum 2.0 GHz base clock or dual socket processor with total 16 physical cores.	Yes / No / Explain		

5	Syslog-Requirements-5	If vendor chooses to offer 4th generation Intel processor or equivalent AMD processor, vendor must ensure that minimum 24 cores per processor with minimum 2 GHz base clock must be offered . Vendor must provide OEM assurance on letter head that offered hardware is supported for the entire warranty period. The offers with 3rd generation Intel processor or equivalent AMD processor is not acceptable.	Yes / No / Explain		
6	Syslog-Requirements-6	Vendor must quote a server that supports virtualization and Intel VT-X & VT-d or equivalent instruction set from Intel/AMD must be configured	Yes / No / Explain		
7	Syslog-Requirements-7	Vendor shall quote for servers with support for hyperthreading for the all the physical cores.	Yes / No / Explain		
8	Syslog-Requirements-8	The offered processor must allow on demand support for operating at higher than base frequency.	Yes / No / Explain		
9	Syslog-Requirements-9	Minimum 30MB L3 Cache	Yes / No / Explain		

10	Syslog-Requirements-10	Vendor shall quote for 4 No's of 32GB DDR5 RAM with Minimum 4000 MT/s or better or aggregate 128GB DDR5 RAM per processor. If better memory configuration is offered, vendor must ensure that minimum 8 memory lanes are populated. The quoted processor also must support minimum 4000MT/s	Yes / No / Explain		
11	Syslog-Requirements-11	Vendor shall quote for server with a scalability support to add additional 128GB RAM for future scalability. The offers with DDR4 memory module are not acceptable	Yes / No / Explain		
12	Syslog-Requirements-12	Vendor shall quote servers with minimum 2No's of 480GB NVMe M.2 in RAID 1 configuration or better capacity drives for the installation of OS.	Yes / No / Explain		

13	Syslog-Requirements-13	<p>Servers shall be configured for deployment of in-house applications built on RHEL 8, Windows 2022 and Ubuntu 22 OS. Vendor shall quote RHEL, Windows, Ubuntu certified hardware only. Servers must be certified for all the required OS platforms. The quoted hardware must be listed on respective OS website list of certified hardware or certification from OS vendor to be submitted. The self certification from Server OEM is discouraged. If the OEM does not have a certification for the respective OS, it is the responsibility of the vendor to supply the demo hardware of the same configuration within 30 days of the request and demonstrate latest OS and drivers compatability. If demonstration is not done within stipulated time, the offer is deemed invalid.</p>	Yes / No / Explain		
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14	Syslog-Requirements-14	2 No's of 3.84TB 12G or more read intensive hot pluggable SAS SSD/NVMe or higher capacity SAS SSD drives with an equivalent or better capacity shall be quoted. Vendor must note that drives with SATA interface are not acceptable. If higher capacity drives are quoted, vendor must ensure that minimum 2 drives are populated and quoted.	Yes / No / Explain		
15	Syslog-Requirements-15	Vendor shall quote for additional 24 TB usable capacity in the server with minimum RAID-6 protection . The offered disk type should be of enterprise class or with very high reliability. The offer with SATA drives is not acceptable	Yes / No / Explain		
16	Syslog-Requirements-16	Vendor shall quote for high performance RAID controller with minimum 4GB Cache and BBU to allow drives to be configured in RAID 0,1, 5.6 and also it should support non-raid/JBOD/pass through mode whenever required.	Yes / No / Explain		
17	Syslog-Requirements-17	2 No's of dual port 1G/10G SFP+ LR or better network card with transceivers must be offered. . The vendor shall provide 4 No's of 5m single mode Fiber Patch cords with the server. If better network card is offered, vendor must ensure that minimum 2 No's of network cards are provisioned to avoid single point failure.	Yes / No / Explain		

18	Syslog-Requirements-18	Vendor shall quote for Servers with minimum 3 No's of USB ports. Vendor shall quote for USB Keyboard and mouse along with the servers.	Yes / No / Explain		
19	Syslog-Requirements-19	Vendor shall quote servers with 1 No's of Display/VGA Port.	Yes / No / Explain		
20	Syslog-Requirements-20	Hot Pluggable redundant power supply. Power supply with 90% or better efficiency, Power Supply rating: 220 volt/50 Hz. Vendor shall provide suitable power cables suitable to support full load conditions. Vendor must provide a compliance on OEM letter head that servers shall be continue to work even with single power source and does not require always dual power to provide any of the functionality.	Yes / No / Explain		
21	Syslog-Requirements-21	Server shall include IPMI 2.0 compliant management module. Management function shall be offered on out of band over Ethernet.	Yes / No / Explain		
22	Syslog-Requirements-22	Server should have dedicated Management port of atleast 1G.	Yes / No / Explain		
23	Syslog-Requirements-23	Vendor shall provide all required licenses for remote administration, power management, remote management, OS installation, server KVM display using management port.	Yes / No / Explain		

24	Syslog-Requirements-24	Vendor shall quote a remote management software for remote administration of all offered servers from a single console or system. Vendor shall quote for dedicated redundant systems for deployment of quoted remote management software. All the required license for centralized management must be offered. Remote Management Software shall support unified management suite that can monitor and manage all the servers from the Vendor deployed in the data center.	Yes / No / Explain		
25	Syslog-Requirements-25	Server shall be configured with redundant cooling fans.	Yes / No / Explain		
26	Syslog-Requirements-26	Offered servers must be registered with BIS	Yes / No / Explain		
27	Syslog-Requirements-27	Vendor shall provide a datasheet of the offered servers along with detailed bill of quantities. The offers without proper datasheet and BOQ shall not be acceptable.	Yes / No / Explain		
28	Syslog-Requirements-28	Vendor must ensure that supplied datasheet must be reflected on the website of the OEM and vendor shall provide a URL of the datasheet as well.	Yes / No / Explain		
29	Syslog-Requirements-29	Failed HDD shall not be returned back during warranty replacement	Yes / No / Explain		

30	Syslog-Requirements-30	Vendor is responsible for installation of systems in the racks provided by ISTRAC, acceptance of the product, OS installation, OS activation at ISTRAC sites. The required OS licenses shall be provided by ISTRAC. Vendor is responsible for proper deployment of servers in rack with rack mount kit, vendor shall neatly do the cabling, routing all cables with proper cable ties, labelling all cables. All the required labels, ties, etc shall be provided by vendor during the installation activity.	Yes / No / Explain		
31	Syslog-Requirements-31	Vendor shall quote server with (or equivalent compliance) Hardware root of trust Silicon Root of Trust cryptographically signed firmware. Support Lockdown of settings. Secure Erase of User Data/NAND TPM 2.0 Support for secure boot	Yes / No / Explain		
32	Syslog-Requirements-32	Vendor shall quote for servers with UEFI Secure Boot support and TPM 2.0 or an equivalent compliance	Yes / No / Explain		

33	Syslog-Requirements-33	Vendor shall provide Manufacture authorization letter from the OEM to participate in this bid. MAF should be signed by OEM and should clearly reflect the current Bid No, Name of the vendor and date of the issuance of the MAF. The offers submitted without MAF or with a MAF having date beyond the bid submission date shall not be accepted	Yes / No / Explain		
34	Syslog-Requirements-34	Vendor shall quote the hardware with 5 years comprehensive warranty with 24 X 7 support including parts, labor, logistics, transport, repair etc. Warranty shall start from the acceptance of the entire solution	Yes / No / Explain		

#### 4. Centralized Management Logging Software with Servers

##### Item specifications for Centralized Management Logging Software with Servers

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Management-Requirements-1	Vendor shall quote for centralized management software deployment in both the data centre in Bangalore and Lucknow to facilitate monitoring and management from both the locations. The software shall be required to be deployed in both the locations and must be independently working	Yes / No / Explain		

2	Management-Requirements-2	The management software must be accessible via a web-based interface and ideally with no need for additional client software	Yes / No / Explain		
3	Management-Requirements-3	The management software must be a VM based	Yes / No / Explain		
4	Management-Requirements-4	The management software must provide a highly customizable dashboard.	Yes / No / Explain		
5	Management-Requirements-5	The management software must domain multi-domain management	Yes / No / Explain		
6	Management-Requirements-6	The management software must provide centralized logging and reporting functionality	Yes / No / Explain		
7	Management-Requirements-7	The management software should support 100 Firewall(s) from day and should be scalable to support 200 Firewall(s)'s in future without any additional license.	Yes / No / Explain		
8	Management-Requirements-8	The management software must be capable of integrating third party vulnerability information into threat policy adjustment routines and automated tuning workflows	Yes / No / Explain		
9	Management-Requirements-9	The management software must be capable of role-based administration, enabling different sets of views and configuration capabilities for different administrators subsequent to their authentication.	Yes / No / Explain		

10	Management-Requirements-10	Should support troubleshooting techniques like Packet tracer and capture	Yes / No / Explain		
11	Management-Requirements-11	Should support REST API for monitoring and config programmability	Yes / No / Explain		
12	Management-Requirements-12	The management software must provide multiple report output types or formats, such as PDF, HTML, and CSV.	Yes / No / Explain		
13	Management-Requirements-13	Management software must include an integration mechanism on open standard protocol or APIs to obtain third party threat intelligence data from other devices e.g. NAC, WAF, SIEM etc. on malicious IPs, URLs and Domains and define & execute Firewall(s) policy to block those malicious attributes and list must get updated dynamically with latest data.	Yes / No / Explain		
14	Management-Requirements-14	The management software must support multiple mechanisms for issuing alerts (e.g., SNMP, e-mail, SYSLOG).	Yes / No / Explain		
15	Management-Requirements-15	The management software must provide built-in robust reporting capabilities, including a selection of pre-defined reports and the ability for complete customization and generation of new reports.	Yes / No / Explain		

16	Management-Requirements-16	The management software support running on-demand and scheduled reports	Yes / No / Explain		
17	Management-Requirements-17	The management software must risk reports like advanced malware, attacks and network	Yes / No / Explain		
18	Management-Requirements-18	The management software must include an integration mechanism, preferably in the form of open APIs and/or standard interfaces, to enable events and log data to be shared with external network and security management applications, such as Security Information and Event Managers (SIEMs), and log management tools.	Yes / No / Explain		
19	Management-Requirements-19	Solution shall allow mass deployment with blueprint support, zero touch provisioning	Yes / No / Explain		
20	Management-Requirements-20	Solution shall maintain revision history of all Firewall(s) policy changes made through a central software and shall allow admins to revert individually or in bulk	Yes / No / Explain		
21	Management-Requirements-21	Solution shall allow per policy lock or equivalent features to restrict changes in the policy	Yes / No / Explain		
22	Management-Requirements-23	Solution shall collecting logs from the all Firewall(s) and allow monitoring and troubleshooting links and shall allow coorelation of logs from multiple sources	Yes / No / Explain		



23	Management-Requirements-24	Solution shall allow updating firmware, definition updates of all proposed Firewall(s) from a single console. The proposed Firewall(s)s may not be connected directly to the internet and thus allow pushing securely	Yes / No / Explain		
24	Management-Requirements-25	Management solution should be able to Automate backups with streamlined software and security updates	Yes / No / Explain		
25	Management-Requirements-26	Monitoring and Visibility for device inventory, applications and LAN edge in a single pane.	Yes / No / Explain		
26	Management-Requirements-27	Solution shall have built in tests to automatically identify the connectivity and Lan related issues	Yes / No / Explain		
27	Management-Requirements-28	Automate workflows, correlation rules and configurations for the Firewall(s).	Yes / No / Explain		
28	Management-Requirements-29	Configures Firewall(s) access, application control, threat prevention, URL filtering, and advanced malware protection settings in a single policy	Yes / No / Explain		
29	Management-Requirements-30	Discovers users, applications, and a multitude of devices through passive analysis of network traffic	Yes / No / Explain		
30	Management-Requirements-31	Supports third-party vulnerability management integration, Threat Feed integration using STIX/TAXII	Yes / No / Explain		
31	Management-Requirements-32	5 years of OEM support on software to be provisioned from day 1.	Yes / No / Explain		

32	Logger-Requirements-1	Vendor shall quote for 1 No's of centralized Log Analysis & Aggregation Software in each of the two data centre in Bangalore and Lucknow to facilitate monitoring and management from both the locations. The deployment must be done in both the data centres.	Yes / No / Explain		
33	Logger-Requirements-2	The software must be accessible via a web-based interface and ideally with no need for additional client software	Yes / No / Explain		
34	Logger-Requirements-3	The software must be a VM based and shall allow ingesting approximately 64GB data per day calculated based on approximately 600MB data per remote firewalls and shall be scalable to go upto 100GB per day	Yes / No / Explain		
35	Logger-Requirements-4	Solution should have a capability of managing Advanced threat and vulnerability detection with event and log data correlation	Yes / No / Explain		
36	Logger-Requirements-5	Solution should provide reports and ready-to-use datasets, charts, and macros	Yes / No / Explain		
37	Logger-Requirements-6	Should be capable of providing Network and Security Operations Teams with real-time detection capabilities, centralized security analytics and end-to-end security	Yes / No / Explain		

38	Logger-Requirements-7	Solution should enable Security teams to monitor and manage alerts and event logs from the devices, with events processed and correlated in a format that analysts can easily understand	Yes / No / Explain		
39	Logger-Requirements-8	should provide automation driven analytics that empowers network security operations teams to complete a fast assessment of network devices, systems, and users, with correlated log data with threat intelligence for analysis of real-time and historical events	Yes / No / Explain		
40	Logger-Requirements-9	Solution should be capable of handling 64GB per day data with a minimum retention of 1000 days with no limit/capping on data volume. Also should support integration with syslog servers for archiving the logs	Yes / No / Explain		
41	Logger-Requirements-10	Solution must have capability to automatically collect, store, and analyze logs from all Next-Generation Firewall(s). It should be able to manage large volumes of logs and search for specific events using various search criteria and must have single-pane visibility and actionable to detect potential security threats and optimize the network for better performance.	Yes / No / Explain		

42	Logger-Requirements-11	solution must provide sophisticated event correlation across different types of log sources with an intuitive rule's editor	Yes / No / Explain		
43	Logger-Requirements-12	Solution should provide Therat intelligence integration to share real-time information on emerging threats and vulnerabilities. This should provide an accurate picture, helps scope risk across the attack surface, accelerates the detection of threats, and pinpoints where immediate response is required.	Yes / No / Explain		
44	Logger-Requirements-13	Management must provide security automation capability to reduce complexity with automation enabled via REST API, scripts, connectors, automation stitches.	Yes / No / Explain		
45	Logger-Requirements-14	Solution should provide Advanced Compliance Reporting by providing hundreds of pre-built regulation-specific reports & templates to make proving compliance easy	Yes / No / Explain		
46	Logger-Requirements-15	5 years of OEM support on software to be provisioned from day 1.	Yes / No / Explain		

47	CentralServers-Requirements-1	Vendor shall quote for minimum 3 No's of servers with virtualization support with the following configuration and mandatory Class-I compliance for each of the two data centre. This requirement is for the one data centre and same configuration must be deployed in both the data centre	Yes / No / Explain		
48	CentralServers-Requirements-2	Vendor shall quote for servers with not more than 2U form factors due to constraint of rack space in the data centre. The offers with form factor greater than 2U are not accepted.	Yes / No / Explain		
49	CentralServers-Requirements-3	Servers shall be offered with required rack mount hardware kit. Vendor shall be responsible for deployment of servers in the racks	Yes / No / Explain		
50	CentralServers-Requirements-4	Vendor shall quote for 2 No's of Intel Xeon 5th Generation processor or an equivalent or better Intel/AMD processor with at least 24 physical cores per processor and minimum 2.0 GHz base clock.	Yes / No / Explain		

51	CentralServers-Requirements-5	If vendor chooses to offer 4th generation Intel processor or equivalent AMD processor, vendor must ensure that minimum 32 cores per processor with minimum 2 GHz base clock must be offered . Vendor must provide OEM assurance on letter head that offered hardware is supported for the entire warranty period. The offers with 3rd generation Intel processor or equivalent AMD processor is not acceptable.	Yes / No / Explain		
52	CentralServers-Requirements-6	Vendor must quote a server that supports virtualization and Intel VT-X & VT-d or equivalent instruction set from Intel/AMD must be configured	Yes / No / Explain		
53	CentralServers-Requirements-7	Vendor shall quote for servers with support for hyperthreading for the all the physical cores.	Yes / No / Explain		
54	CentralServers-Requirements-8	The offered processor must allow on demand support for operating at higher than base frequency.	Yes / No / Explain		
55	CentralServers-Requirements-9	Minimum 30MB L3 Cache	Yes / No / Explain		
56	CentralServers-Requirements-10	Vendor shall quote for 8 No's of 16GB DDR5 RAM with Minimum 4000 MT/s or better per processor. If better memory configuration is offered, vendor must ensure that minimum 8 memory lanes are populated. The quoted processor also must support minimum 4000MT/s	Yes / No / Explain		

57	CentralServers-Requirements-11	Vendor shall quote for server with a scalability support to add additional 128GB RAM for future scalability. The offers with DDR4 memory module are not acceptable	Yes / No / Explain		
58	CentralServers-Requirements-12	Vendor shall quote servers with minimum 2No's of 480GB NVMe M.2 in RAID 1 configuration or better capacity drives for the installation of OS.	Yes / No / Explain		
59	CentralServers-Requirements-13	Servers shall be configured for deployment of in-house applications built on RHEL 8, Windows 2022 and Ubuntu 22 OS. Vendor shall quote RHEL, Windows, Ubuntu certified hardware only. Servers must be certified for all the required OS platforms. The quoted hardware must be listed on respective OS website list of certified hardware or certification from OS vendor to be submitted. The self certification from Server OEM is discouraged. If the OEM does not have a certification for the respective OS, it is the responsibility of the vendor to supply the demo hardware of the same configuration within 30 days of the request and demonstrate latest OS and drivers compatibility. If demonstration is not done within stipulated time, the offer is deemed invalid.	Yes / No / Explain		

60	CentralServers-Requirements-14	6 No's of 3.84TB 12G or more read intensive hot pluggable SAS SSD/NVMe or higher capacity SAS SSD drives with an equivalent or better capacity shall be quoted. Vendor must note that drives with SATA interface are not acceptable. If higher capacity drives are quoted, vendor must ensure that minimum 2 drives are populated and quoted.	Yes / No / Explain		
61	CentralServers-Requirements-15	Vendor shall quote for high performance RAID controller with minimum 4GB Cache and BBU to allow drives to be configured in RAID 0,1, 5,6 and also it should support non-raid/JBOD/pass through mode whenever required.	Yes / No / Explain		
62	CentralServers-Requirements-16	4 No's of dual port 10G/25G SFP28 or better network card along with SFP28 transceivers must be offered. . The vendor shall provide 4 No's of 5m Multimode fiber Patch cords with the server. If better network card is offered, vendor must ensure that minimum 2 No's of network cards are provisioned to avoid single point failure.	Yes / No / Explain		
63	CentralServers-Requirements-17	Vendor shall quote for Servers with minimum 3 No's of USB ports.Vendor shall quote for USB Keyboard and mouse along with the servers.	Yes / No / Explain		
64	CentralServers-Requirements-18	Vendor shall quote servers with 1 No's of Display Port.	Yes / No / Explain		



65	CentralServers-Requirements-19	Hot Pluggable redundant power supply. Power supply with 90% or better efficiency, Power Supply rating: 220 volt/50 Hz. Vendor shall provide suitable power cables suitable to support full load conditions. Vendor must provide a compliance on OEM letter head that servers shall be continue to work even with single power source and does not require always dual power to provide any of the functionality.	Yes / No / Explain		
66	CentralServers-Requirements-20	Server shall include IPMI 2.0 compliant management module. Management function shall be offered on out of band over Ethernet.	Yes / No / Explain		
67	CentralServers-Requirements-21	Server should have dedicated Management port of atleast 1G.	Yes / No / Explain		
68	CentralServers-Requirements-22	Vendor shall provide all required licenses for remote administration, power management, remote management, OS installation, server KVM display using management port.	Yes / No / Explain		

69	CentralServers-Requirements-23	Vendor shall quote a remote management software for remote administration of all offered servers from a single console or system. Vendor shall quote for dedicated redundant systems for deployment of quoted remote management software. All the required license for centralized management must be offered. Remote Management Software shall support unified management suite that can monitor and manage all the servers from the Vendor deployed in the data center.	Yes / No / Explain		
70	CentralServers-Requirements-24	Server shall be configured with redundant cooling fans.	Yes / No / Explain		
71	CentralServers-Requirements-25	Offered servers must be registered with BIS	Yes / No / Explain		
72	CentralServers-Requirements-26	Vendor shall provide a datasheet of the offered servers along with detailed bill of quantities. The offers without proper datasheet and BOQ shall not be acceptable.	Yes / No / Explain		
73	CentralServers-Requirements-27	Vendor must ensure that supplied datasheet must be reflected on the website of the OEM and vendor shall provide a URL of the datasheet as well.	Yes / No / Explain		
74	CentralServers-Requirements-28	Failed HDD shall not be returned back during warranty replacement	Yes / No / Explain		

75	CentralServers-Requirements-29	Vendor is responsible for installation of systems in the racks provided by ISTRAC, acceptance of the product, OS installation, OS activation at ISTRAC sites. The required OS licenses shall be provided by ISTRAC. Vendor is responsible for proper deployment of servers in rack with rack mount kit, vendor shall neatly do the cabling, routing all cables with proper cable ties, labelling all cables. All the required labels, ties, etc shall be provided by vendor during the installation activity.	Yes / No / Explain		
76	CentralServers-Requirements-30	Vendor shall quote server with (or equivalent compliance) Hardware root of trust Silicon Root of Trust cryptographically signed firmware. Support Lockdown of settings. Secure Erase of User Data/NAND TPM 2.0 Support for secure boot	Yes / No / Explain		
77	CentralServers-Requirements-31	Vendor shall quote for servers with UEFI Secure Boot support and TPM 2.0 or an equivalent compliance	Yes / No / Explain		

78	CentralServers-Requirements-32	Vendor shall quote for 4 No's of TOR switches for deployment of HCI. 2 TOR switches shall be deployed in Lucknow and 2 No's of TOR switches shall be deployed in Bangalore. Each TOR switches shall be with minimum 24 X 10/25G with each TOR switch having 6 X 10G SFP+ transceivers, 6 X 25G SFP28 transceivers, 6 X 1G Copper transceivers and 1 X 100G DAC Cables. The offered TOR switches must be mandatory MII compliant with minimum 60% local content.	Yes / No / Explain		
79	CentralServers-Requirements-33	Vendor shall provide Manufacture authorization letter from the OEM to participate in this bid. MAF should be signed by OEM and should clearly reflect the current Bid No, Name of the vendor and date of the issuance of the MAF. The offers submitted without MAF or with a MAF having date beyond the bid submission date shall not be accepted	Yes / No / Explain		

## 5. INSTALLATION CHARGES

### Item specifications for INSTALLATION CHARGES

SI No	Specification	Value	Compliance	Offered Specification	Remark
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1	Installation Scope	Installation include supply of racks, power distribution units, integration components and accessories for deployment of firewall in data centre	Yes / No / Explain		
2	Installation charges	Installation includes transport, handling, Installation, Commissioning & Training etc charges for the deliverables	Yes / No / Explain		
3	Training	Vendor shall impart training for 5 days for 4 engineers on the supplied hardware through a certified trained professional. The training must be completed within 1 year of deployment and acceptance of the solution.	Yes / No / Explain		

**Common Specifications (Applicable for all items)**

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	General-Requirements-1	Vendor shall quote for integrated cyber security solution with Next generation Firewall(s) , Monitoring, Management and Logging & Log Analysis systems. All the offered Firewall(s), management & monitoring software must be compatible with each other and preferably from the same OEM. Any components, devices, software which is required to meet the overall functional requirements must be supplied.	Yes / No / Explain		

2	General-Requirements-2	In case the offered management and log analysis system is from different OEM or based on an open source stack, the stack must be a supported enterprise version of the stack. Vendor must clearly indicate the licenses and support details of such open source products explicitly in bill of material. if the non-enterprise version is quoted, the bid shall be deemed as invalid and shall be rejected.	Yes / No / Explain		
3	General-Requirements-3	The offered solution shall have an overall MII compliance . The local content certificate shall be offered by the vendor and must be at least Class-II MII or as per Govt of India guidelines released as on tender release date.	Yes / No / Explain		
4	General-Requirements-4	Vendor shall note that Firewall(s) shall be deployed across 2 different class of networks with no or limited connectivity to each other. The offered management and logging devices must be independently offered for both the networks	Yes / No / Explain		
5	General-Requirements-5	Vendor shall note that Firewall(s) shall be deployed in multiple data centres as well as in edge locations. The devices offered must be able to communicate each other and must be manageable from the data centres.	Yes / No / Explain		

6	General-Requirements-6	<p>The detailed specifications of the various requirements of the cyber security solutions are detailed further in the bid. The overall solution is divided into two part, the first part includes requirements for the data centre which includes minimum 4 No's of Data Centre Firewall(s) in each of the two data centres, 1 No of log analysis systems (hardware or software or virtual) in each of the two data centres, 1 No's of centralized management device ((hardware or software or virtual) in each of the two data centres, 2 No's of syslog servers in each of the two data centres. The other part includes the requirement for the remote stations which comprises of total of 64 Firewall(s). The detailed specification of each of the component is defined in the relevant sections</p>	Yes / No / Explain		
7	General-Requirements-7	<p>The management, log analysis and syslog servers must be offered indepenedently for each of the data centre and must allow all logs to be available in both the data centre with an ability to analyze logs or manage the cyber security infrastructure from any of the data centre.</p>	Yes / No / Explain		
8	General-Requirements-8	<p>It is mandatory that data centre firewall(s) and edge firewall(s) are from same OEM. If the offered firewall(s) are from different OEM, that offer is rejected and no clarifications shall be asked</p>	Yes / No / Explain		

9	Vendor-Requirements-1	Vendor shall provide unpriced bill of material . Bill of material should reflect all the deliverables including Firewall(s)s, switches, servers, management and logging software licenses.	Yes / No / Explain		
10	Vendor-Requirements-2	Vendor shall provide on OEM letter head that offered product is back to back supported by OEM and is not an obsolete product for all the products. MAF is mandatory for all the products. The offer without MAF is rejected.	Yes / No / Explain		
11	Vendor-Requirements-3	Vendor shall provide complete technical comparison statement (CST) of the offered product against ISTRAC specifications with supporting datasheet.	Yes / No / Explain		
12	Vendor-Requirements-4	Vendor shall explicitly mention installation charges if any in the bill of material. In case of no installation charges, bill of material must reflect the installation charges with NIL value.	Yes / No / Explain		
13	Vendor-Requirements-5	Vendor shall ensure all the items are delivered, inspected, installed and commissioned with required software and licenses in ISTRAC	Yes / No / Explain		
14	Vendor-Requirements-6	Vendor must provide on confirmation on letter head that offered product OEM or the vendor itself has never been blacklisted or suspended by any of the Govt Organization or Central/State Institute in last 3 years.	Yes / No / Explain		



15	Vendor-Requirements-7	L1 offer shall be selected on the basis of total cost of the turnkey solution including taxes and not on the individual item basis. No partial orders shall be issued. Vendor must comply to all the requirements.	Yes / No / Explain		
16	Vendor-Requirements-8	Vendor or OEM of the offered solution needs to provide customer references from Govt. or private corporate where the offered cyber security product has been used successfully in last 1 year. The reference purchase order must be atleast 60% in value or numbers of the existing tender. The customer reference to whom the supply is in limited quantity is not acceptable.	Yes / No / Explain		
17	Vendor-Requirements-9	Vendor must have one or more purchase order as a reference worth value more than 5 Cr each in last two years on IT products in any Central Govt. Organization or Central PSUs or any large enterprise. Reference of the orders to be attached along with the offer for verification.	Yes / No / Explain		

18	Vendor-Requirements-10	<p>The warranty shall be offered for all the items for a period of 5 years with 24 X 7 support within 2 Hour response time even if it not explicitly mentioned in the individual item specifications. The warranty shall start from the date of acceptance of the product. Vendor may either deploy 10% additional spares for each category individually or shall deploy trained manpower resource(s) to ensure that all the offered hardware are in working condition through out the warranty period and all issues pertaining to the supplied hardware are handled within 2 hour. It is the sole responsibility of the vendor to meet this SLA requirement. Manpower if deployed must be deployed in the data center(s) only and all the required connectivity to the edge location firewall shall be provided for the maintenance. If required to visit the remote locations to resolve any technical issue or replacement of the hardware, vendor shall do that at no extra cost to ISTRAC during the entire warranty period. Vendor shall ensure the advance replacement of the hardware</p>	Yes / No / Explain		
19	Vendor-Requirements-11	<p>The technical and commercial offer from the vendor must be complete in all aspects with due considerations of all taxes.</p>	Yes / No / Explain		

20	Vendor-Requirements-12	Vendor shall provide a comprehensive bill of material for the entire solution and must provide on letter head the local content of the offered bill of material	Yes / No / Explain		
21	Vendor-Requirements-13	Vendor shall note that warranty shall start from the date of the acceptance of the product	Yes / No / Explain		
22	Vendor-Requirements-14	Vendor is responsible for delivery, acceptance, activation of subscriptions, warranty for Firewall(s)s, Servers, switches, software licenses etc.	Yes / No / Explain		
23	Vendor-Requirements-15	Vendor is responsible for assisting and resolving technical issues during warranty period. Engagement with OEM, troubleshooting, corrective maintenance, hardware replacement, hardware re-configuration in case of replacement is the sole responsibility of the vendor.	Yes / No / Explain		
24	Vendor-Requirements-16	Vendor shall quote for 2 No's of dedicated management system for monitoring all the Firewall(s) from the dedicated console. The offered management system shall have minimum 14" display.	Yes / No / Explain		

25	Vendor-Requirements-19	<p>ISTRAC reserves the right to seek the demonstration of the complete product or selected features of the offered product. Vendor must ensure that demonstration is completed within 4 weeks from the date of the request for the demonstration. The demo device(s) must be deployed in the ISTRAC premises and all the logistics, hardware, software, components required to complete the demonstration shall be borne/provided by the vendor. In case vendor is unable to complete the demonstration within 4 weeks, the offer from the vendor is deemed invalid and shall be rejected.</p>	Yes / No / Explain		
26	Vendor-Requirements-20	<p>In case of demonstration request is sent to the vendor, vendor must provide willingness to provide the demo unit within 7 calendar days. In case no communication is received from the vendor within 7 calendar days, it is deemed that vendor is not willing to participate in the demo and no further communication in this regard shall be sent. In such cases, the offer shall be rejected</p>	Yes / No / Explain		

27	Vendor-Requirements-21	ISTRAC reserves the rights to select highly reliable, durable and compliances with IT security as per Gol guidelines. ISTRAC will carry out the Proof of Concept (PoC) to ensure the compliances for all or selected specifications & features to select highly reliable, durable and compliances with IT security as per Gol guidelines.	Yes / No / Explain		
28	Vendor-Requirements-22	Vendor may note that it is mandatory for vendors to quote for all items. Without that the offer shall be considered incomplete and is liable for rejection. The offer without MAF for all the items is also considered as incomplete and will be rejected.	Yes / No / Explain		
29	Vendor-Requirements-23	Single purchase order / contract shall be awarded to the overall L1 vendor to deliver all the products, vendor must carry out complete the installation and integration and deliver support in turnkey basis.	Yes / No / Explain		
30	Vendor-Requirements-24	Vendor may note that any component which is a better / improved version of the specification may be offered. However the offered product shall be the latest or next generation hardware in the same product family as specified	Yes / No / Explain		

31	Vendor-Requirements-25	Vendor should indicate the part nos. of the deliverable items clearly. The make, model, part numbers & description of the items in the offer should match the part numbers & description of the items mentioned in the manufacturer's specification / data sheet sheets as well as in the offer.	Yes / No / Explain		
32	Vendor-Requirements-26	Vendor should carefully consider all the clauses in the specifications and should ensure that their offer is complete in all respects at the time of submission. Complete technical documentation justifying the compliance should be enclosed along with their offer. Offer which are incomplete are liable to be considered non-compliant.	Yes / No / Explain		
33	Vendor-Requirements-27	Vendor must note that installation and commissioning is sole responsibility of the vendor. All the required cable ties, labels, cable routing in the racks or any other integration requirements has to be borne by the vendor only.	Yes / No / Explain		
34	Vendor-Requirements-28	Vendor shall note that ISTRAC shall not make any payment against delivery. The payment will be made only against successful acceptance of the complete solution at ISTRAC. If any vendor request for payment against delivery, the offer will be considered not complied and shall be rejected for further evaluation	Yes / No / Explain		

## **Supporting Documents required from Vendor**

- 1. Supporting technical documents-1**
- 2. Supporting technical documents-5**
- 3. Supporting technical documents-3**
- 4. Supporting technical documents-4**
- 5. Commercial Bill of material (Price Bid Related)**
- 6. Supporting technical documents-2**
- 7. Turnover Certificate**
- 8. Local Content**
- 9. Technical CST**
- 10. Technical datasheet**
- 11. Technical Bill of Quantity**
- 12. Manufacturer authorization letter**

5 additional documents can be uploaded by the vendor

## C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	To be delivered in IDSN, Bangalore	Yes / No / Explain	
2	Payment Term (Our normal terms of payment is 100% within 30 days from the date of receipt and acceptance of the item at our site)	Yes / No / Explain	
3	Taxes and other costs, if any	Yes / No / Explain	
4	Delivery Period	Yes / No / Explain	
5	Delivery Term	Yes / No / Explain	
6	Security Deposit: FD or BG for 3% of PO value to be submitted after receipt of PO and valid till supply & acceptance.	Yes / No / Explain	
7	Performance Bank guarantee : BG for 3% of PO value to be submitted while claiming payment valid till end of warranty period with a claim period of 60 days.	Yes / No / Explain	
8	SD-cum-Warranty (PBG) (in lieu of SD & PBG as a single instrument): BG for 3% of PO value to be submitted after receipt of PO valid till end of warranty period with a claim period of 60 days.	Yes / No / Explain	
9	<p><b>DELAY IN COMPLETION / LIQUIDATED DAMAGES :</b> If the Contractor fails to deliver the stores within the time specified in the Contract or any extension thereof, the Purchaser shall recover from the Contractor as Liquidated Damages a sum of one-half of one per cent (0.5%) of the Contract price of the undelivered stores for each calendar week of delay. The total liquidated damages shall not exceed ten percent (10%) of the contract price of the unit or units so delayed. Stores will be deemed to have been delivered only when all their component parts are also delivered. If certain components are not delivered in time, the stores will be considered as delayed until such time as the missing parts are delivered.</p>	Yes / No / Explain	



10	Warranty	Yes / No / Explain	
11	Validity	Yes / No / Explain	
12	Name and Address of the company on whom purchase order to be placed (OEM if any should be added in your E-Procurement profile under Add Agent/Principal without fail). Address indicated here must be available in your profile as a Principal/Agent failing which PO will be placed on the e-procurement address available in the profile.	Yes / No / Explain	
13	Certificate of Undertaking: Any bidder from a country which shares a land border with India will be eligible to bid in any procurement whether of goods or services (including consultancy services and non consultancy services) or works (including turn-key projects) only if the bidder is registered with the Competent authority (i.e. DPIIT). Hence, it is mandatory to furnish Certificate of Undertaking as indicated in the tender document.	Yes / No / Explain	
14	Foreign vendors are not permitted to quote. 1. Only Class -I and Class-II Local suppliers as per make in India policy are eligible to participate in the bid. 2. The percentage of local content should be specifically mentioned in the offer, without which will be summarily rejected 3. Preference will be given to class-I Local Supplier and in their absence, class-II Local supplier will be considered.	Yes / No / Explain	

15	<p>This tender is restricted only to Class-I and Class-II Local Suppliers as defined under DPIIT Order dtd 04/06/2020- Preference to Make in India Order-2017 Revision. Non-Local Suppliers need not quote. Foreign OEMs/Agents quoting on behalf of Foreign OEMs are not permitted to quote. High Sea Sales Quotes not permitted. The bids shall be in INR only.</p> <p>Purchase preference to eligible vendors are applicable as per extant notifications issued by the Government of India.</p> <p>The Class-I/Class-II Local suppliers, at the time of submitting their offer, shall also indicate percentage of local content and provide self certification that the item (s) offered meets the local content requirement for Class-I/Class-II Local Suppliers as the case may be. They shall also give details of location (s) at which the local value addition is made.</p> <p>In cases if the item(s) offered exceed Rs. 10 Crores, the Class-I/Class-II Local Suppliers shall provide a Certificate from the statutory auditor or cost auditor of the company (in case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content. False Declarations will be in breach of the Code of Integrity under Rule 175 (1) (i) (h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.</p>	Yes / No / Explain	
16	<p>Percentage of local content for the quoted item. Details of break-up of local content shall be provided in terms of percentage. Please note that the value should not be mentioned.</p>	Yes / No / Explain	
17	<p>Details of location (s) at which the local value addition is made</p>	Yes / No / Explain	
18	<p>Foreign OEMs/Agents quoting on behalf of Foreign OEMs are not permitted to quote. High Sea Sales quotes not permitted. The bids shall be in INR only.</p>	Yes / No / Explain	

19	GeM Seller ID: As per Gol OM No. 6/9/2020-PPD dated 24.08.2020 and DO No. 170/CEO-GeM/2020, sellers providing Goods and Services to Central Government Organizations shall be registered on GeM and obtain a unique GeM registered ID. Hence please get registered in GeM and furnish your GeM Seller ID.	Yes / No / Explain	
20	Any other terms	Yes / No / Explain	
21	Micro and Small Enterprises [MSEs] a. In order to avail the benefits extended by Government of India to the Micro and Small Enterprises [MSEs] in respect of Goods and Services as per provision of the policy, MSEs registered with District Industries Centre [DIC] or Khadi and Village Industries Commission [KVIC] or Khadi and Village Industries Board [KVIB] or Coir Board or National Small Industries Commission [NSIC] or Directorate of Handicrafts and Handlooms or Udyog Aadhar Memorandum, or any other Body specified by Ministry of MSME have to submit a copy of Valid Certificate with self-attestation along with the Techno-commercial bid. No Certificate claiming exemption will be entertained after Tender due date.	Yes / No / Explain	
22	b. MSEs are entitled for [i] issue of Tender documents Free of Cost [ii] Exemption of Earnest Money Deposit [EMD]. However, Performance Security is mandatory for Goods and Services.	Yes / No / Explain	
23	c. If the MSE Tenderer[s] is/are SC/ST/Woman entrepreneur owned MSEs, specific mention for the same should be there in the valid certificate submitted by the tenderer.	Yes / No / Explain	
24	d. Tenderers claiming MSME benefit shall furnish copy of UAM no. as uploaded on CPP portal to avail benefit	Yes / No / Explain	

25	In case a bidder is an MSE, registered under NSIC or any other Government Agencies and would like to avail exemptions, offer should be accompanied with necessary registration certificate with declaration to consider their offer. Quotation received without such declaration and valid registration certificate will not be considered for exemptions under the Public Procurement Policy.	Yes / No / Explain	
26	Confirm whether you are a reseller or distributor if not mention the nature of business with the copy of valid registration certificate to substantiate the same.	Yes / No / Explain	

27	<p>Arbitration: Local suppliers: :In the event of any dispute/s, difference/s or claim/s arising out of or relating to the interpretation and application of the Contract, such dispute/s or difference/s or claim/s 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 dispute/s, then the unresolved dispute/s or difference/s or claim/s 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 Act 1996 together with amendments thereto or any modification thereof. 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 Tenderer during the pendency of arbitration proceedings, without prejudice to a final adjustment in the accordance with the decision of the Arbitrator unless otherwise directed in writing by the Purchaser 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. Adherence and acceptance to this Clause is Compulsory or otherwise the Tender will be rejected.</p>	Yes / No / Explain	
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28	<p>Arbitration with Overseas Supplier: In the event of any dispute or difference arising out of or in connection with this Purchase Order, such dispute or difference shall be settled amicably by mutual consultants or through the good offices of the respective parties. If such resolution is not possible, then the unresolved dispute or difference shall be referred to the Sole Arbitrator appointed in accordance with provisions of the ICADR Arbitration Rules, 1996 of the International Center for Alternative Dispute Resolution, New Delhi. The Arbitration shall be conducted in India in accordance with the Rules &amp; Procedures of the Arbitration and Conciliation Act of 1996 or any re-enactment or modification thereof. The expenses for the Arbitration shall be paid as may be determined by the Arbitrator. The Seat for Arbitration shall be Bengaluru. The applicable language for Arbitration shall be English only. Adherence and acceptance to this Clause is Compulsory or otherwise the Tender will be rejected.</p>	Yes / No / Explain	
29	<p>Arbitration with Public Sector Undertakings: In the event of any dispute or difference relating to the interpretation and application of the Contract, such dispute or difference shall be taken up by either party for resolution through AMRCD as mentioned in DPE OM No. 4 (1)/2013 - DPE (GM) /FTS 1835 dated 22.05.2018. And/or amended thereafter".</p>	Yes / No / Explain	

### C.3 Price Bid

Sl. No.	Item	Quantity	Unit Price	Currency	Total Price	Remark
1	Data Centre Firewall	8.00 Nos.		-		
2	Edge Firewall for remote locations	64.00 Nos.		-		
3	Syslog Servers	4.00 Nos.		-		
4	Centralized Management Logging Software with Servers	2.00 Nos.		-		

5	INSTALLATI ON CHARGES	1.00 Nos.		-		
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**Common charges (Applicable for all items)**

<b>P&amp;F Charges</b>	
<b>Freight Charges</b>	
<b>Installation Charges</b>	
<b>Documentation &amp; Handling Charges</b>	
<b>Other Charges (If any)</b>	