

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

Tender for Precision Time Protocols Routers on Turnkey Basis

Bids to be submitted online

Tender No.: ISTRAC/ISTRAC PURCHASE/TR202500004601 dated 16-05-2025

A. Tender Details

Tender No :	ISTRAC/ISTRAC PURCHASE/TR202500004601
Tender Date :	16-05-2025
Tender Classification:	GOODS
Purchase Entity :	ISTRAC PURCHASE
Centre :	ISRO TELEMETRY TRACKING & COMMAND NETWORK (ISTRAC)

Routers for Mission Support

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 nowhere else. If price is mentioned anywhere other than Price Bid (including Bill of Material), your offer will not be considered. 2) Please provide your compliance separately for (a) Performance Bank Guarantee clause (b) Liquidated Damages clause (c) Security Deposit clause and (d) Submission of Certificate of Undertaking (e) Make In India Clause 3) GeM Availability Report and Past Transaction Summary - Report ID : GEM/GARPTS/05052025/4OHGR5G8OAH3, dated 05-05-2025.

A.1 Tender Schedule

Bid Submission Start Date :	16-05-2025 14:30
Bid Clarification Due Date :	09-06-2025 17:00
Bid Submission Due Date :	30-06-2025 14:00
Bid Opening Date :	30-06-2025 14:30
Price Bid Opening Date :	31-07-2025 15:00

B. Tender Attachments

NA

Instructions To Vendors

1. 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 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.

2. 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 contracting:

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 from 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.

3. 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.

4. 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.

5. 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.

C. Bid Templates

C.1 Technical Bid - Precision Time Protocols Routers on Turnkey Basis

1. Precision Time Protocol Routers for Data Centre

Item specifications for Precision Time Protocol Routers for Data Centre

SI No	Specification	Value	Compliance	Offered Specification	Remark
1	Precision Time Protocol Router-Requirements-1	Vendor shall quote for Make in India Precision Time Protocol routers. Vendor shall submit the audited local content certificate for validation. The offered routing device must have minimum Class-II local content or as notified by nodal ministry at the time of release of the tender.	Yes / No / Explain		
2	Precision Time Protocol Router-Requirements-2	The PTP routers shall be deployed in the datacentre. Vendor shall quote for data centre class routers with hot swappable redundant power supply.	Yes / No / Explain		
3	Precision Time Protocol Router-Requirements-3	The offered PTP Routers must be rack mountable and within 1U form factor due to constraints of space in the existing racks. The offered PTP Routers must be supplied with the required rackmount kits/brackets	Yes / No / Explain		

4	Precision Time Protocol Router-Requirements-4	The offered PTP Routers must have redundant AC power supply with hot swappable capability. All the required C13-C14 power cables shall be offered	Yes / No / Explain		
5	Precision Time Protocol Router-Requirements-5	The offered PTP Routers must have redundant modular fans	Yes / No / Explain		
6	Precision Time Protocol Router-Requirements-6	The offered PTP Routers must be dedicated appliance with either ASIC/FPGA based architecture or multicore architecture.	Yes / No / Explain		
7	Precision Time Protocol Router-Requirements-7	The PTP router must have a specialized OS designed exclusively for networking. The offers with general purpose linux platform such as debian, freeBSD etc with any open source software either natively or through docker/containers service is not acceptable.	Yes / No / Explain		
8	Precision Time Protocol Router-Requirements-8	The devices such as L3 switches with PTP compliance, if offered, shall not be acceptable. The offered hardware must be listed in OEM website as Routing Device only.	Yes / No / Explain		
9	Precision Time Protocol Router-Requirements-9	The vendor must supply the datasheet of the offered hardware. The datasheet must be listed on OEM website. The datasheet customized based on the tender specifications are not acceptable.	Yes / No / Explain		

10	Precision Time Protocol Router-Requirements-10	The offered PTP Routers must be security certified and hardened commercial off the shelves product. The required/applicable security testing or certification with documentary evidence must be provided for evaluation.	Yes / No / Explain		
11	Precision Time Protocol Router-Requirements-11	The offered PTP Routers OS must be security certified and all the required certifications shall be submitted with the offer. The offers without security certification or without VAPT report of the offered firmware/Router OS shall be rejected.	Yes / No / Explain		
12	Precision Time Protocol Router-Requirements-12	Vendor/OEM shall provide a purchase order reference not later than 18 months to substantiate that offered product or product series is not a new product and is commercial off the shelf product with deployment in different sectors. The offered PTP Routers or product series must have been supplied to either Central/State Government, PSU, CPSE or Large enterprises in last 18 Months.	Yes / No / Explain		
13	Precision Time Protocol Router-Requirements-13	The offered PTP Routers must have minimum 32GB of the RAM to handle the required data centre traffic without introducing any additional delays.	Yes / No / Explain		

14	Precision Time Protocol Router-Requirements-14	The offered PTP Routers must have minimum 100 GB of the local storage to hold the required network logs with highest verbosity for a minimum duration of 90 days in the local routers with an average traffic logs per day of 1GB for each router.	Yes / No / Explain		
15	Precision Time Protocol Router-Requirements-15	The offered PTP Routers must support sending all logs to multiple central syslog servers. At minimum, it is required that routers logs are sent to syslog servers in our Bangalore and Lucknow data centres.	Yes / No / Explain		
16	Precision Time Protocol Router-Requirements-16	The offered PTP Routers must have minimum 24 No's of 1/10G SFP+ ports and shall have capability to add additional 8 No's of 1G SFP ports in future.	Yes / No / Explain		

17	Precision Time Protocol Router-Requirements-17	The offered PTP Routers must be deployed to support data traffic from multiple isolated users. The network level isolation or multi-tenancy must be supported and offered in the router. At minimum VRF lite or any equivalent protocol must be supported. The router must support minimum 3 VRF's. If the offered PTP Routers does not support VRF or any equivalent multi-tenancy protocols/service, then in such cases vendor must offer 3 dedicated routers each with minimum 8 Nos of 1G copper and 8 No's of 10G SFP+ (including WAN ports) one for each of the 3 tenants	Yes / No / Explain		
18	Precision Time Protocol Router-Requirements-18	The offered PTP Routers must be scalable to support upto 2 No's of 100G uplink ports in the future.	Yes / No / Explain		
19	Precision Time Protocol Router-Requirements-19	Vendor shall offers 4 No of 1G Copper Transceivers with each routers along with 4 No's of 5M patch cords with each router	Yes / No / Explain		
20	Precision Time Protocol Router-Requirements-20	Vendor shall offer 4 No's of 1G SFP LX transceivers with 4 No's of 5M LC-LC Fiber optics cable with each router	Yes / No / Explain		
21	Precision Time Protocol Router-Requirements-21	Vendor shall offer 8 No's of 10G SFP+ LR transceivers with each router along with 8 No's of 5M LC-LC Fiber optics cable	Yes / No / Explain		

22	Precision Time Protocol Router-Requirements-22	The router must support minimum 10Gbps throughput with a scalability upto 50Gbps. If any license is required to support 10Gbps throughput from Day-1 that must be offered.	Yes / No / Explain		
23	Precision Time Protocol Router-Requirements-23	Vendor shall note that routers shall be required to communicate unicast/VPN routes via BGP protocol. The offered PTP Routers must support BGP protocol and all required licenses to be offered	Yes / No / Explain		
24	Precision Time Protocol Router-Requirements-24	The sub-second faster route convergence is planned using BFD protocol, vendor shall offer routers with BFD protocol support or any other equivalent protocol that supports fast convergence of routes obtained via BGP.	Yes / No / Explain		
25	Precision Time Protocol Router-Requirements-25	The offered PTP Routers shall be required to exchange routes to the internal network via OSPF. The router must be offered with OSPF protocol. All required licenses to be offered	Yes / No / Explain		
26	Precision Time Protocol Router-Requirements-26	The offered PTP Routers is required to be deployed for multicast data from remote stations to the data centre. The offered PTP Routers must support multicast routing protocols such as PIM. Any other multicast routing protocol for IPv4 traffic is also acceptable.	Yes / No / Explain		

27	Precision Time Protocol Router-Requirements-27	Vendor shall quote router with PTP protocol support. The offered PTP Routers must support IEEE 1588-2008 PTP T-GM, T-BC, T-TSC	Yes / No / Explain		
28	Precision Time Protocol Router-Requirements-28	The offered PTP Routers must support G.8275.1, G.8275.2	Yes / No / Explain		
29	Precision Time Protocol Router-Requirements-29	The offered PTP Routers must support SyncE protocol for time dissemination over Ethernet	Yes / No / Explain		
30	Precision Time Protocol Router-Requirements-30	The offered PTP Routers must support 1PPS and 10MHz input for utilizing external reference clock.	Yes / No / Explain		
31	Precision Time Protocol Router-Requirements-31	The offered shall support jumbo frames on all the ports	Yes / No / Explain		
32	Precision Time Protocol Router-Requirements-32	The offered PTP Routers must support creation of VLAN, Sub-Interfaces and assignment of VRF on sub-interfaces	Yes / No / Explain		
33	Precision Time Protocol Router-Requirements-33	The offered PTP Routers must support spanning tree protocol including STP and MSTP.	Yes / No / Explain		
34	Precision Time Protocol Router-Requirements-34	The offered PTP Routers must support Link Aggregation using LAG and LACP	Yes / No / Explain		

35	Precision Time Protocol Router-Requirements-35	The offered PTP Routers must support WAN link monitoring and load balancing. It is required that multiple WAN links shall be terminated on the router, the router must be able to route traffic based on different criteria's to different WAN link. In general router must be able to load balance the traffic on both the WAN Link using ECMP or equivalent protocols.	Yes / No / Explain		
36	Precision Time Protocol Router-Requirements-36	The offered PTP Routers must support creation of GRE or equivalent tunnels to encapsulate the identified traffic. The tunnels thus configured must support BGP, PIM on the tunnel interface. The routers with IPSEC tunnels with support of BGP and PIM over such tunnels is also acceptable.	Yes / No / Explain		
37	Precision Time Protocol Router-Requirements-37	The offered PTP Routers must support traffic engineering and shall allow routing traffic based on different classification criteria. At minimum router must support Qos configuration based on different types of traffic, shall support multilevel Queuing and WRED protocols.	Yes / No / Explain		
38	Precision Time Protocol Router-Requirements-38	The offered PTP Routers must support IGMP v2/v3 and IPv6 Multicast routing.	Yes / No / Explain		

39	Precision Time Protocol Router-Requirements-39	The router must support access of router over SSH and directly through dedicated management/console interface	Yes / No / Explain		
40	Precision Time Protocol Router-Requirements-40	The router must support hardware timestamping. PTP protocols must be capable of utilizing hardware timestamping.	Yes / No / Explain		
41	Precision Time Protocol Router-Requirements-41	The offered PTP Routers must have ROHS6 compliance or any other equivalent compliance as applicable to MII routers. If offered routers are exempted from any of such compliances due to regulations or gazette notification issued by nodal ministry. The exemption notification must be attached with the offer for validation and applicability.	Yes / No / Explain		

42	Precision Time Protocol Router-Requirements-42	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.	Yes / No / Explain		
43	Precision Time Protocol Router-Requirements-43	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	Yes / No / Explain		
44	Precision Time Protocol Router-Requirements-44	The routers shall be offered with a comprehensive warranty of 5 years with 2 hours technical response time and next business day replacement	Yes / No / Explain		

45	Precision Time Protocol Router-Requirements-45	During warranty period, if it is required to replace the hardware in the data centre due to any hardware failure, vendor shall depute a suitable engineer for the replacement activity at no extra cost to the ISTRAC. All logistics, transport, travel, insurance or any other charges has to be borne by the vendor.	Yes / No / Explain		
46	Precision Time Protocol Router-Requirements-46	Routers shall be offered with suitable management appliance or software for centralized management, configuration management and compliance. The offered software or hardware solution must be certified by router OEM .	Yes / No / Explain		
47	Precision Time Protocol Router-Requirements-47	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		

48	Precision Time Protocol Router-Requirements-48	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		
49	Precision Time Protocol Router-Requirements-49	Vendor must provide an authorization letter from OEM to participate in this Bid. In case 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		
50	Precision Time Protocol Router-Requirements-50	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		
51	Precision Time Protocol Router-Requirements-51	During warranty replacements, memory cards, hard drives or any other storage media devices shall not be returned.	Yes / No / Explain		

52	Precision Time Protocol Router-Requirements-52	The PTP Routers shall be deployed in both the datacentre in Bangalore and Lucknow. Vendor shall be responsible for deployment in both the routers	Yes / No / Explain		
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2. Precision Time Protocol Routers for Edge Locations

Item specifications for Precision Time Protocol Routers for Edge Locations

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	Precision Time Protocol Edge Routers-Requirements-1	Vendor shall quote for Make in India Precision Time Protocol Edge routers. Vendor shall submit the audited local content certificate for validation. The offered Precision Time Protocol Edge Routers must be minimum Class-II or as notified by the nodal ministry at the time of release of the tender.	Yes / No / Explain		

2	Precision Time Protocol Edge Routers-Requirements-2	<p>The PTP Edge routers shall be deployed in the remote locations as well in the datacentre.</p> <p>Router(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. The deployment details and serial numbers shall be shared to OEM after deployment to provide direct support in all such locations</p>	Yes / No / Explain		
3	Precision Time Protocol Edge Routers-Requirements-3	<p>The offered Precision Time Protocol Edge Routers must be rack mountable and within 1U form factor due to constraints of space in the existing racks. The offered Precision Time Protocol Edge Routers must be supplied with the required rackmount kits/brackets</p>	Yes / No / Explain		
4	Precision Time Protocol Edge Routers-Requirements-4	<p>The offered Precision Time Protocol Edge Routers must have redundant AC power supply All the required C13-C14 power cables shall be offered</p>	Yes / No / Explain		

5	Precision Time Protocol Edge Routers-Requirements-5	The offered Precision Time Protocol Edge Routers must have redundant fans	Yes / No / Explain		
6	Precision Time Protocol Edge Routers-Requirements-6	The offered Precision Time Protocol Edge Routers must be dedicated appliance with either ASIC/FPGA based architecture or multicore architecture.	Yes / No / Explain		
7	Precision Time Protocol Edge Routers-Requirements-7	The PTP Edge router must have a specialized OS designed exclusively for networking. The offers with general purpose linux platform such as debian, freeBSD etc with any open source software either natively or through docker/containers service is not acceptable.	Yes / No / Explain		
8	Precision Time Protocol Edge Routers-Requirements-8	The devices such as L3 switches with PTP compliance, if offered, shall not be acceptable. The offered hardware must be listed in OEM website as Routing Device only.	Yes / No / Explain		
9	Precision Time Protocol Edge Routers-Requirements-9	The vendor must supply the datasheet of the offered hardware. The datasheet must be listed on OEM website. The datasheet customized based on the tender specifications are not acceptable.	Yes / No / Explain		

10	Precision Time Protocol Edge Routers-Requirements-10	The offered Precision Time Protocol Edge Routers must be security certified and hardened commercial off the shelves product. The required/applicable security testing or certification with documentary evidence must be provided for evaluation.	Yes / No / Explain		
11	Precision Time Protocol Edge Routers-Requirements-11	The offered Precision Time Protocol Edge Routers OS must be security certified and all the required certifications shall be submitted with the offer. The offers without security certification or without VAPT report of the offered firmware/Router OS shall be rejected.	Yes / No / Explain		
12	Precision Time Protocol Edge Routers-Requirements-12	The offered Precision Time Protocol Edge Routers must have minimum 10 GB of the local storage to hold the required network logs with highest verbosity for a minimum duration of 90 days in the local routers with an average traffic logs per day of 100MB	Yes / No / Explain		
13	Precision Time Protocol Edge Routers-Requirements-13	The offered Precision Time Protocol Edge Routers must support sending all logs to multiple central syslog servers. At minimum, it is required that routers logs are sent to syslog servers in our Bangalore and Lucknow data centres.	Yes / No / Explain		

14	Precision Time Protocol Edge Routers-Requirements-14	The offered Precision Time Protocol Edge Routers must have minimum 4 No's of 1/10G SFP+ ports, 4 No's of 1G Copper ports and 4 Nos of 1G Fiber ports.	Yes / No / Explain		
15	Precision Time Protocol Edge Routers-Requirements-15	The offered Precision Time Protocol Edge Routers must be deployed to support data traffic from multiple isolated users. The network level isolation or multi-tenancy must be supported and offered in the router. At minimum VRF lite or any equivalent protocol must be supported. The router must support minimum 3 VRF's. If the offered Precision Time Protocol Edge Routers does not support VRF or any equivalent multi-tenancy protocols/service, then in such cases vendor must offer dedicated routers each with minimum 4 Nos of 1G copper and 4 No's of 10G SFP+ (including WAN ports) for each of the 3 tenants	Yes / No / Explain		
16	Precision Time Protocol Edge Routers-Requirements-16	The offered Precision Time Protocol Edge Routers must be scalable to support additional 4 No's of 1/10G SFP+ ports and additional 4 No's of 1G SFP ports	Yes / No / Explain		
17	Precision Time Protocol Edge Routers-Requirements-17	Vendor shall offer 4 No's of 5M patch cords with each router	Yes / No / Explain		

18	Precision Time Protocol Edge Routers-Requirements-18	Vendor shall offer 4 No's of 1G SFP LX transceivers with 4 No's of 5M LC-LC Fiber optics cable with each router	Yes / No / Explain		
19	Precision Time Protocol Edge Routers-Requirements-19	Vendor shall offer 4 No's of 10G SFP+ LR transceivers with each router along with 4 No's of 5M LC-LC Fiber optics cable	Yes / No / Explain		
20	Precision Time Protocol Edge Routers-Requirements-20	The router must support minimum 10Gbps throughput with a scalability upto 50Gbps. If any license is required to support 10Gbps throughput from Day-1 that must be offered.	Yes / No / Explain		
21	Precision Time Protocol Edge Routers-Requirements-21	Vendor shall note that routers shall be required to communicate unicast/VPN routes via BGP protocol. The offered Precision Time Protocol Edge Routers must support BGP protocol and all required licenses to be offered	Yes / No / Explain		
22	Precision Time Protocol Edge Routers-Requirements-22	The faster route convergence is planned using BFD protocol, vendor shall offer routers with BFD protocol support or any other equivalent protocol that supports fast convergence of routes obtained via BGP	Yes / No / Explain		
23	Precision Time Protocol Edge Routers-Requirements-23	The offered Precision Time Protocol Edge Routers shall be required to exchange routes to the internal network via OSPF. The router must be offered with OSPF protocol. All required licenses to be offered	Yes / No / Explain		

24	Precision Time Protocol Edge Routers-Requirements-24	The offered Precision Time Protocol Edge Routers is required to be deployed for multicast data from remote stations to the data centre. The offered Precision Time Protocol Edge Routers must support multicast routing protocols such as PIM. Any other multicast routing protocol for IPv4 traffic is also acceptable.	Yes / No / Explain		
25	Precision Time Protocol Edge Routers-Requirements-25	Vendor shall quote router with PTP protocol support. The offered Precision Time Protocol Edge Routers must support IEEE 1588-2008 PTP T-GM, T-BC, T-TSC	Yes / No / Explain		
26	Precision Time Protocol Edge Routers-Requirements-26	The offered Precision Time Protocol Edge Routers must support G.8275.1, G.8275.2	Yes / No / Explain		
27	Precision Time Protocol Edge Routers-Requirements-27	The offered Precision Time Protocol Edge Routers must support SyncE protocol for time dissemination over Ethernet	Yes / No / Explain		
28	Precision Time Protocol Edge Routers-Requirements-28	The offered Precision Time Protocol Edge Routers must support 1PPS and 10MHz input for utilizing external reference clock.	Yes / No / Explain		
29	Precision Time Protocol Edge Routers-Requirements-29	The offered shall support jumbo frames on all the ports	Yes / No / Explain		

30	Precision Time Protocol Edge Routers-Requirements-30	The offered Precision Time Protocol Edge Routers must support creation of VLAN, Sub-Interfaces and assignment of VRF on sub-interfaces	Yes / No / Explain		
31	Precision Time Protocol Edge Routers-Requirements-31	The offered Precision Time Protocol Edge Routers must support spanning tree protocol including STP and MSTP.	Yes / No / Explain		
32	Precision Time Protocol Edge Routers-Requirements-32	The offered Precision Time Protocol Edge Routers must support Link Aggregation using LAG and LACP	Yes / No / Explain		
33	Precision Time Protocol Edge Routers-Requirements-33	The offered Precision Time Protocol Edge Routers must support WAN link monitoring and load balancing. It is required that multiple WAN links shall be terminated on the router, the router must be able to route traffic based on different criteria's to different WAN link. In general router must be able to load balance the traffic on both the WAN Link using ECMP or equivalent protocols.	Yes / No / Explain		

34	Precision Time Protocol Edge Routers-Requirements-34	The offered Precision Time Protocol Edge Routers must support creation of GRE or equivalent tunnels to encapsulate the identified traffic. The tunnels thus configured must support BGP, PIM on the tunnel interface. The routers with IPSEC tunnels with support of BGP and PIM over such tunnels is also acceptable.	Yes / No / Explain		
35	Precision Time Protocol Edge Routers-Requirements-35	The offered Precision Time Protocol Edge Routers must support traffic engineering and shall allow routing traffic based on different classification criteria. At minimum router must support Qos configuration based on different types of traffic, shall support multilevel Queuing and WRED protocols.	Yes / No / Explain		
36	Precision Time Protocol Edge Routers-Requirements-36	The offered Precision Time Protocol Edge Routers must support IGMP v2/v3 and IPv6 Multicast routing.	Yes / No / Explain		
37	Precision Time Protocol Edge Routers-Requirements-37	The router must support access of router over SSH and directly through dedicated management/console interface	Yes / No / Explain		
38	Precision Time Protocol Edge Routers-Requirements-38	The router must support hardware timestamping. PTP protocols must be capable of utilizing hardware timestamping.	Yes / No / Explain		

39	Precision Time Protocol Edge Routers-Requirements-39	The offered Precision Time Protocol Edge Routers must have ROHS6 compliance or any other equivalent compliance as applicable to MII routers. If offered Precision Time Protocol Edge Routers are exempted from any of such compliances due to regulations or gazette notification issued by nodal ministry. The exemption notification must be attached with the offer for validation and applicability.	Yes / No / Explain		
40	Precision Time Protocol Edge Routers-Requirements-40	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.	Yes / No / Explain		

41	Precision Time Protocol Edge Routers-Requirements-41	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	Yes / No / Explain		
42	Precision Time Protocol Edge Routers-Requirements-42	The routers shall be offered with a comprehensive warranty of 5 years with 2 hours technical response time and next business day replacement	Yes / No / Explain		
43	Precision Time Protocol Edge Routers-Requirements-43	During warranty period, if it is required to replace the hardware in the data centre or remote locations due to any hardware failure, vendor shall depute a suitable engineer for the replacement activity at no extra cost to the ISTRAC. All logistics, transport, travel, insurance or any other charges has to be borne by the vendor.	Yes / No / Explain		

44	Precision Time Protocol Edge Routers-Requirements-44	Routers shall be offered with suitable management appliance or software for centralized management, configuration management and compliance. The offered software or hardware solution must be certified by router OEM .	Yes / No / Explain		
45	Precision Time Protocol Edge Routers-Requirements-45	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		
46	Precision Time Protocol Edge Routers-Requirements-46	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		

47	Precision Time Protocol Edge Routers-Requirements-47	Vendor must provide an authorization letter from OEM to participate in this Bid. In case 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		
48	Precision Time Protocol Edge Routers-Requirements-48	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		
49	Precision Time Protocol Edge Routers-Requirements-49	During warranty replacements, memory cards, hard drives or any other storage media devices shall not be returned.	Yes / No / Explain		

3. Network Management Systems with Hardware : Network Management Solution for Precision Time Protocol Routers with Servers

Item specifications for Network Management Systems with Hardware : Network Management Solution for Precision Time Protocol Routers with Servers

Sl No	Specification	Value	Compliance	Offered Specification	Remark
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1	NMS-Requirements-1	Vendor shall quote for redundant servers for each of the two data centres with the following configuration and mandatory Class-I compliance. The specifications below are for one of the data centre, same quantity must be offered for another data centre.	Yes / No / Explain		
2	NMS-Requirements-2	Vendor shall quote for 2 No's of servers for each data centre with not more than 1U form factors due to constraint of rack space in the data centre. The offers with form factor greater than 1U are not accepted.	Yes / No / Explain		
3	NMS-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 NMS 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	NMS-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 cores.	Yes / No / Explain		

5	NMS-Requirements-5	If vendor chooses to offer 4th generation Intel processor or equivalent AMD processor, vendor must ensure that minimum 16 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	NMS-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	NMS-Requirements-7	Vendor shall quote for servers with support for hyperthreading for the all the physical cores.	Yes / No / Explain		
8	NMS-Requirements-8	The offered processor must allow on demand support for operating at higher than base frequency.	Yes / No / Explain		
9	NMS-Requirements-9	Minimum 30MB L3 Cache	Yes / No / Explain		

10	NMS-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	NMS-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	NMS-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	NMS-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	NMS-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	NMS-Requirements-15	Vendor shall quote for additional 12 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	NMS-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	NMS-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	NMS-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	NMS-Requirements-19	Vendor shall quote servers with 1 No's of Display/VGA Port.	Yes / No / Explain		
20	NMS-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	NMS-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	NMS-Requirements-22	Server should have dedicated Management port of atleast 1G.	Yes / No / Explain		
23	NMS-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	NMS-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	NMS-Requirements-25	Server shall be configured with redundant cooling fans.	Yes / No / Explain		
26	NMS-Requirements-26	Offered servers must be registered with BIS	Yes / No / Explain		
27	NMS-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	NMS-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	NMS-Requirements-29	Failed HDD shall not be returned back during warranty replacement	Yes / No / Explain		

30	NMS-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	NMS-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	NMS-Requirements-32	Vendor shall quote for servers with UEFI Secure Boot support and TPM 2.0 or an equivalent compliance	Yes / No / Explain		

33	NMS-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	NMS-Requirements-34	Vendor shall supply integrated NMS & centralized management software with the following features. Vendor shall ensure to quote licenses for deployment in two different locations in HA/Redundant mode with a support of 300 Devices for each of the deployment independently.	Yes / No / Explain		
35	NMS-Requirements-35	The management software must be accessible via a web-based interface and ideally with no need for additional client software	Yes / No / Explain		
36	NMS-Requirements-36	The management software must be a deployed on VM. All OS License for the VM shall be provided by ISTRAC	Yes / No / Explain		
37	NMS-Requirements-37	The management software must provide a highly customizable dashboard.	Yes / No / Explain		
38	NMS-Requirements-38	The management software shall allow automatic scanning of network devices via multiple protocols	Yes / No / Explain		

39	NMS-Requirements-39	The management software shall provide device availability, Qos Parameters such as Jitter, Latency, packet loss	Yes / No / Explain		
40	NMS-Requirements-40	The software shall have a capability to monitor the link performance and shall be able to report both primary and secondary links.	Yes / No / Explain		
41	NMS-Requirements-41	The software shall provide an overview of the health of the router including hardware, power, fans status. The offered solution must also support configuration man	Yes / No / Explain		
42	NMS-Requirements-42	The software shall be able to monitor the IP SLA and other tracking parameters linked with the routers	Yes / No / Explain		
43	NMS-Requirements-43	The software shall be capable of inventory management and configuration management. All offered router configuration backup must be achievable through the centralized software	Yes / No / Explain		
44	NMS-Requirements-44	Should support REST API for monitoring and config programmability	Yes / No / Explain		
45	NMS-Requirements-45	The management software must provide multiple report output types or formats, such as PDF, HTML, and CSV.	Yes / No / Explain		
46	NMS-Requirements-46	The management software must support multiple mechanisms for issuing alerts (e.g., SNMP, e-mail, SYSLOG).	Yes / No / Explain		

47	NMS-Requirements-47	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		
48	NMS-Requirements-48	The management software support running on-demand and scheduled reports	Yes / No / Explain		
49	NMS-Requirements-49	The software shall have a capability for monitoring the traffic flow if configured in the routers.	Yes / No / Explain		
50	NMS-Requirements-50	The offered solution must be commercial off the shelf (COTS) software and shall be self-customizable through the configuration changes and not through any new development.	Yes / No / Explain		
51	NMS-Requirements-51	The offered software shall be vendor agnostic and shall be able to integrate routers, switches of different OEM	Yes / No / Explain		
52	NMS-Requirements-52	The offered software shall be able to support upto 300 devices from the day-1	Yes / No / Explain		
53	NMS-Requirements-53	The offered software shall support multi-tenancy from the day-1 and minimum 5 tenants must be supported	Yes / No / Explain		
54	NMS-Requirements-54	Software shall provide a comprehensive view of assets and shall detect the type of devices connected to the network either directly or through the connected systems	Yes / No / Explain		

55	NMS-Requirements-55	Software shall provide a mechanism to create multiple thresholds for each parameter. Granular level configuration and control shall be possible.	Yes / No / Explain		
56	NMS-Requirements-56	Software shall be able to integrate with 3rd party LDAP	Yes / No / Explain		
57	NMS-Requirements-57	Software shall be able to automatically discover topology using SNMP/ARP or any other detection mechanisms	Yes / No / Explain		
58	NMS-Requirements-58	Software shall allow user to add devices in the topology using UI	Yes / No / Explain		
59	NMS-Requirements-59	Software shall allow user to configure SLA based on primary and secondary link as bundle instead of individual links. Downtime must be calculated based on outage of both the links	Yes / No / Explain		
60	NMS-Requirements-60	Software shall importing templates and MIB for various network devices and shall provide ready to use templates for network devices	Yes / No / Explain		
61	NMS-Requirements-61	Software shall be able to integrate with Syslog servers	Yes / No / Explain		
62	NMS-Requirements-62	Software shall allow to send reports via SMTP.	Yes / No / Explain		

63	NMS-Requirements-63	Software shall be configurable in HA mode and if HA Mode is not directly supported, the software shall support deployment in redundant hardware with data synchronization between the nodes such that in case of any hardware failure, software shall continue to operate.	Yes / No / Explain		
64	NMS-Requirements-64	The offered NMS solution must work without any need of connectivity to any public cloud	Yes / No / Explain		
65	NMS-Requirements-65	The vendor shall provide complete services for the solutions under the scope as per RFP including supply, installation, implementation, integration, management, maintenance, support, audit compliance and knowledge transfer for a period of 5 years	Yes / No / Explain		
66	NMS-Requirements-66	Vendor shall be responsible for customising the dashboard screens as per ISTRAC requirements during the first Year of the deployment and every version upgrade if new features are introduced by OEM	Yes / No / Explain		
67	NMS-Requirements-67	Vendor to provide a comprehensive training on the usage, troubleshooting, deployment to 5 Nos of ISTRAC engineers as part of the deliverable.	Yes / No / Explain		

68	NMS-Requirement-68	The offered NMS solution must be 100% MII and must provide end to end monitoring with FCAPS functionality and centralized dashboard	Yes / No / Explain		
69	NMS-Requirements-69	Vendor shall quote for 2 No's of dedicated management systems for carrying out configuration, monitoring of all the offered routers and devices. At minimum, the offered device must have minimum 512GB SSD, 16GB RAM and minimum 14 inch Display with 1G wired connectivity either directly or through USB adapter. The management devices must be explicitly mentioned in the complete bill of material	Yes / No / Explain		
70	NMS-Requirements-70	The offered Management system must be offered with latest operating systems, office license (Windows/Linux) and must be licensed for 5 years	Yes / No / Explain		

4. INSTALLATION CHARGES

Item specifications for INSTALLATION CHARGES

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	Installation charges are inclusive of all transport, logistics, insurance, handling, commissioning, acceptance, training or any other charges required to complete the acceptance of the hardware	One time	Yes / No / Explain		

Common Specifications (Applicable for all items)

Sl No	Specification	Value	Compliance	Offered Specification	Remark
1	General-Requirements-1	Vendor shall quote for Routers, Enterprise Class Network Monitoring Software along with redundant hardware to host NMS software on a Virtualized platform. All required Operating System, Virtualization, Enterprise support licenses to be quoted. The entire solution must be offered on a turnkey basis.	Yes / No / Explain		
2	General-Requirements-2	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. For all individual items local content must be specified.	Yes / No / Explain		
3	General-Requirements-3	Vendor shall quote for MII PTP Routers only. The routers without local content shall be rejected. The offered router must have minimum 20% local content or as notified by the nodal ministry at the time of release of the tender.	Yes / No / Explain		
4	General-Requirements-4	Vendor shall quote for MII compliant NMS software. The offered NMS software must be with 100% MII/Local content or as notified by the nodal ministry at the time of release of the tender.	Yes / No / Explain		

5	General-Requirements-5	Vendor shall quote for Servers along with required network switches for hosting NMS software in redundant configuration with MII compliance. The offered servers and switches must have minimum Class-1 compliance	Yes / No / Explain		
6	General-Requirements-6	Vendor shall quote for Data Centre PTP Routers and Edge Routers from the same OEM. The offers with routers from different OEM shall be rejected	Yes / No / Explain		
7	General-Requirements-7	Vendor shall provide unpriced bill of material . Bill of material should reflect all the deliverables including routers, servers, NMS, consumables	Yes / No / Explain		
8	General-Requirements-8	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		
9	General-Requirements-9	Vendor shall provide complete technical comparison statement (CST) of the offered product against ISTRAC specifications with supporting datasheet.	Yes / No / Explain		
10	General-Requirements-10	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		

11	General-Requirements-11	Vendor shall ensure all the items are delivered, inspected, installed and commissioned with required software and licenses in ISTRAC	Yes / No / Explain		
12	General-Requirements-12	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		
13	General-Requirements-13	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		
14	General-Requirements-14	Vendor must have one or more purchase order as a reference worth value more than 5 Cr each in last 1 year 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		

15	General-Requirements-15	The warranty shall be offered for all the items for a period of 5 years with 24 X 7 support with 2 Hours 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 choose to deploy a dedicated, certified and trained manpower resource(s) if required to meet the 2 hours response time for the entire warranty period. OEM part number for the support must be reflected in the OEM along with vendor part numbers for 2 hours response time. Vendor must clearly indicate if the dedicated resource will be required to meet the SLA and shall provide documentary evidence if otherwise.	Yes / No / Explain		
16	General-Requirements-16	The technical and commercial offer from the vendor must be complete in all aspects with due considerations of all taxes.	Yes / No / Explain		
17	General-Requirements-17	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		
18	General-Requirements-18	Vendor shall note that warranty shall start from the date of the acceptance of the product	Yes / No / Explain		
19	General-Requirements-19	Vendor is responsible for delivery, acceptance, installation, activation of subscriptions, warranty for all deliverables	Yes / No / Explain		

20	General-Requirements-20	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		
21	General-Requirements-21	Vendor shall be responsible for diagnostics, collecting logs from the data center routers and edge routers and sharing with the OEM	Yes / No / Explain		
22	General-Requirements-22	Vendor shall note that hard disk shall not be returned during warranty replacement.	Yes / No / Explain		
23	General-Requirements-23	At the time of installation and commissioning of the configuration if it is found that some additional hardware accessories or software items with licenses are required to complete the configuration to meet the operational requirement of the configuration which were not included in the vendor's original list of deliverables then vendor is required to supply such items to ensure the completeness of the configuration at no extra cost to ISTRAC. Vendor should ensure completeness of the list of deliverables in the offer to avoid such discovery during installation.	Yes / No / Explain		

24	General-Requirements-24	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.	Yes / No / Explain		
25	General-Requirements-25	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	Yes / No / Explain		

26	General-Requirements-26	ISTRAC reserves the rights to select highly reliable, durable and compliances with IT security as per GoI 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 GoI guidelines.	Yes / No / Explain		
27	General-Requirements-27	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		
28	General-Requirements-28	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		
29	General-Requirements-29	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		

30	General-Requirements-30	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		
31	General-Requirements-31	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		
32	General-Requirements-32	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		
33	Delivery-Term1	Vendor must ensure that complete installation, acceptance, deployment, customization, training must be completed within 30 weeks of the release of the purchase order.	Yes / No / Explain		

34	Delivery-Term2	Vendor must ensure that 50% of the overall lot shall be required to be delivered in Bangalore and remaining 50% to be delivered in Lucknow. The delivery is deemed completed only after the successful delivery and physical inspection of the delivered hardware in both the locations	Yes / No / Explain		
35	Delivery-Term3	Installation scope includes inspection of the delivered hardware, unpacking, acceptance, installation, deployment, configuration, activation of licenses of all the data centre routers in both Bangalore and Lucknow	Yes / No / Explain		
36	Delivery-Term4	Installation scope includes inspection of the delivered hardware, unpacking, acceptance, installation, configuration, activation of licenses of all the data centre routers in both Bangalore and Lucknow. The deployment of edge routers shall be taken care by ISTRAC in respective remote locations,	Yes / No / Explain		
37	Payment Terms1	Vendor shall note that 70% payment shall be made on delivery, inspection of complete hardware. No payment shall be done if the delivered consignment is incomplete. Vendor is responsible for inspection, acceptance of the delivered hardware in both the locations	Yes / No / Explain		

38	Payment Terms2	Vendor shall note that remaining 30% payment shall be made only after completion of acceptance, installation, configuration, deployment (wherever applicable), customization and training and fulfillment of all others vendor responsibilities as per tender terms and conditions and meeting all timelines	Yes / No / Explain		
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Supporting Documents required from Vendor

1. Supporting Documents

2. Other Documents

3. Commercial Bill of Material (Price Bid Related)

4. Technical Bill of Material

5. OEM DataSheets

6. Audited Local Content Certificate

7. Manufacturer Authorization Letter

8. Supporting technical documents-3

9. Supporting technical documents-2

10. Supporting technical documents-1

5 additional documents can be uploaded by the vendor

C.2 Commercial Terms / Bid

Sl. No.	Description	Compliance	Vendor Terms
1	50% of the total hardware and software in INC2 Lucknow	Yes / No / Explain	
2	50% of the total hardware and software in IDSN Bangalore	Yes / No / Explain	
3	Vendor shall note that 70% payment shall be made on delivery, inspection of complete hardware. No payment shall be done if the delivered consignment is incomplete. Vendor is responsible for inspection, acceptance of the delivered hardware in both the locations. Vendor shall note that remaining 30% payment shall be made only after completion of acceptance, installation, configuration, deployment (wherever applicable), customization and training and fulfillment of all others vendor responsibilities as per tender terms and conditions and meeting all timelines.	Yes / No / Explain	
4	Taxes and other costs, if any	Yes / No / Explain	
5	Delivery Period	Yes / No / Explain	
6	Delivery Term	Yes / No / Explain	
7	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	
8	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	
9	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	

10	<p>DELAY IN COMPLETION / LIQUIDATED DAMAGES : 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	
11	Warranty	Yes / No / Explain	
12	Validity	Yes / No / Explain	
13	<p>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.</p>	Yes / No / Explain	
14	<p>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.</p>	Yes / No / Explain	

15	<p>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.</p>	Yes / No / Explain	
16	<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	

17	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.	Yes / No / Explain	
18	Details of location (s) at which the local value addition is made	Yes / No / Explain	
19	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.	Yes / No / Explain	
20	GeM Seller ID: As per GoI 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	
21	Any other terms	Yes / No / Explain	
22	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	
23	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	
24	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	

25	d. Tenderers claiming MSME benefit shall furnish copy of UAM no. as uploaded on CPP portal to avail benefit	Yes / No / Explain	
26	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	
27	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	

28	<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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29	<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 & 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	
30	<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	Precision Time Protocol Routers for Data Centre	18.00 Nos.		-		
2	Precision Time Protocol Routers for Edge Locations	70.00 Nos.		-		

3	Network Management Systems with Hardware : Network Management Solution for Precision Time Protocol Routers with Servers	2.00 Nos.		-		
4	INSTALLATION CHARGES	1.00 Nos.		-		

Common charges (Applicable for all items)

P&F Charges	
Freight Charges	
Installation Charges	
Documentation & Handling Charges	
Other Charges (If any)	