



Invites Bids

for

**Selection of Service Provider(s) for providing
connectivity (MPLS VPN/ILL/P2P) services on rate
contract basis**

Tender Reference: NIT_027_TANFINETPoPs_SP

Tamil Nadu FibreNet Corporation Ltd
807, 5th floor, P.T lee Chengalvaraya Naicker Maaligai Anna Salai Chennai – 600 002
Phone: 044-28888230 / e-mail: tenders.tanfinet@tn.gov.in

Dated: 25.06.2026

Tamil Nadu FibreNet Corporation (TANFINET)



Invites Bidders

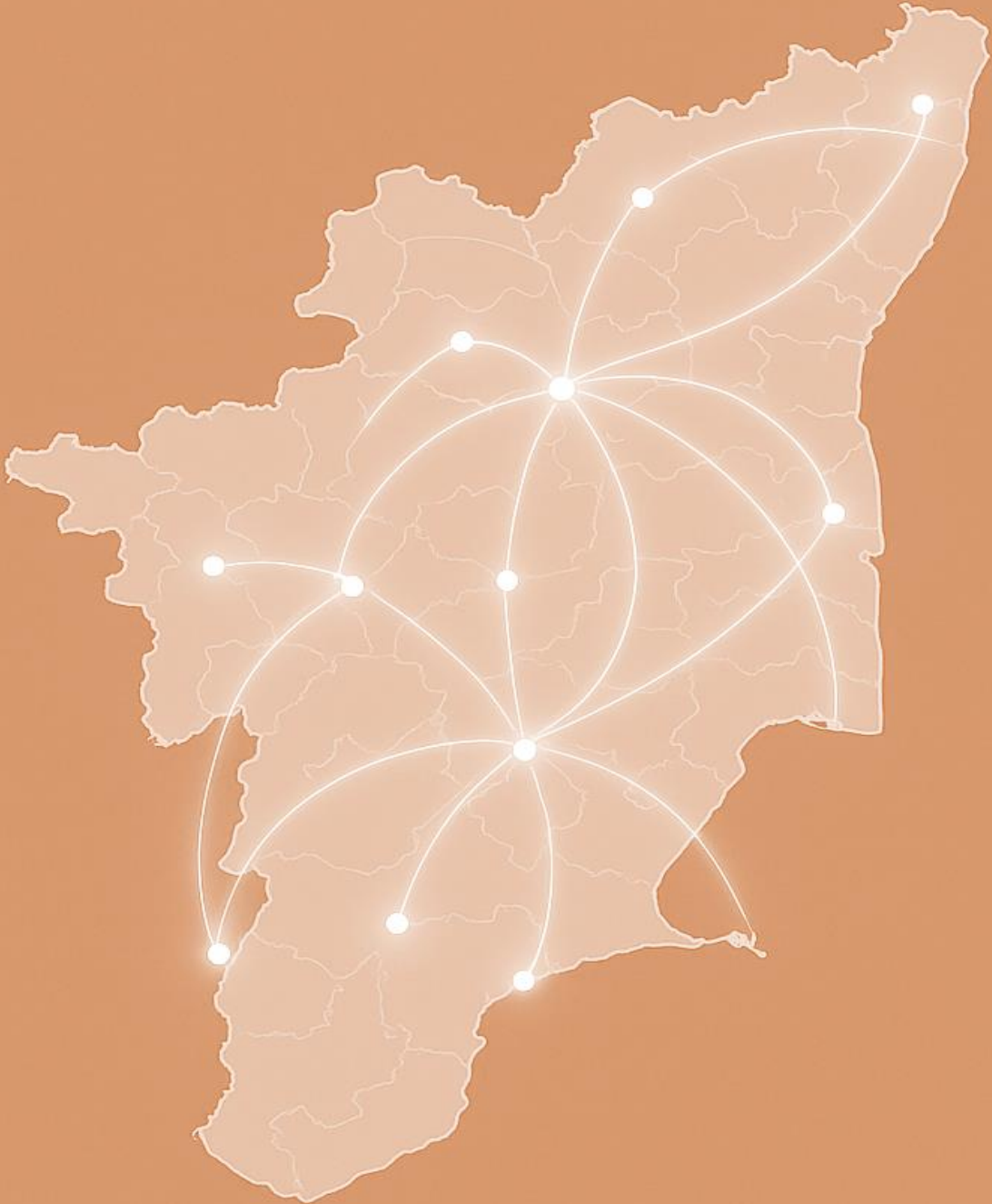
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Important Notice

This Tender process is governed by The Tamil Nadu Transparency in Tenders Act 1998 and The Tamil Nadu Transparency in Tenders Rules 2000 as amended from time to time.

In case of any conflict between the terms and conditions in the Tender document and the Tamil Nadu Transparency in Tenders Act 1998 and The Tamil Nadu Transparency in Tenders Rules 2000, the Act and Rules shall prevail.

As these services relate to Telecom sector hence it shall be bound by the Telecom Act of India and its regulatory authority's (viz. Telecom Regulatory Authority of India-TRAI) Policy, Rules, Implementation Guidelines and notifications that may be issued by the Authority from time-to-time.

Bidders need to abide the above-mentioned State and Central prevailing Acts, Policy & guidelines.

Interpretation

In this Tender unless a contrary intention is evident:

- a. The clause headings are for convenient reference only and may not be part of this Tender.
- b. Unless otherwise specified, a reference to a clause number is a reference to all of its sub-clauses
- c. Unless otherwise specified, a reference to a clause, sub-clause is a reference to a clause, sub-clause of this Tender including any amendments or modifications to the same from time to time
- d. A word in the singular includes the plural and a word in the plural includes the singular
- e. A word importing a gender includes any other gender
- f. A reference to a person includes a body corporate or a legal entity
- g. A reference to legislation includes legislation which is in effect during the period of contract
- h. Where a word or phrase is given a meaning, it includes the appropriate grammatical forms of that word or phrase which have corresponding meanings.
- i. In the event of an inconsistency between the terms of this Tender and the Bid, the Terms & Conditions hereof shall prevail.

Acronyms Used in the Tender

Acronyms used in the document	
AMC	Annual Maintenance Contract
BG	Bank Guarantee
DD	Demand Draft
DSC	Digital Signature Certificate
EMD	Earnest Money Deposit
GST	Goods and Services Tax (CGST, IGST & SGST)
ILL	Internet Leased Line
INR	Indian Rupees
IS	Indian Standard (BIS)
ISDN	Integrated Services Digital Network
ISO	International Organization for Standardization
IT	Information Technology
LD	Liquidated Damage
LOA	Letter of Acceptance
MPLS VPN	Multi-Protocol Label Switching Virtual Private Network
MSME	Micro, Small & Medium Enterprises
NLD	National Long Distance
OEM	Original Equipment Manufacturer
SD	Security Deposit
SLA	Service Level Agreement
SNR	Site Not Ready
SPOC	Single Point of Contact

Definition of Short Titles / Key Term used in the Tender Document

- a. **Act:** Act means The Tamil Nadu Transparency in Tenders Act 1998 as amended from time to time.
- b. **Rules:** Rules means The Tamil Nadu Transparency in Tenders Rules 2000 as amended from time to time.
- c. **Life Cycle:** The useful life of the Item required in the Tender including Warranty and Comprehensive Maintenance period.
- d. **Life Cycle Cost:** Life Cycle Cost means the total cost to be incurred by the End User towards the purchase of tendered item and also charges to be incurred by the End User towards maintenance of the same for the whole life of the items including Warranty and Comprehensive Maintenance period.
- e. **Day/Week/Month:** Means a Calendar Day/Calendar Week/Calendar month respectively
- f. **Bidder:** Bidder means the party who makes a formal offer in pursuance of the Tender floated
- g. **L1 Bidder:** Line item wise L1 Bidder is one who quotes the lowest rate for a Technically and Financially acceptable bid for each line item and declared as such by TANFINET
- h. **Successful Bidder:** Successful Bidder means the Bidder who becomes Successful through the Tender process and declared as such by TANFINET
- i. **Contractor:** Contractor means the Successful Bidder who signed the Contract Agreement
- j. **Purchaser:** Purchaser means the end user for whom the procurement is indicated through the tender.
- k. **Commissioning:** Commissioning means that the Successful Bidder should coordinate with the service provider (System Integrator / Network Integrator) and install the connectivity equipment at the site and provide the intended Bandwidth

(MPLS VPN/ILL) with end-to-end performance satisfactory to the purchaser.

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1 Notice Inviting Tender



Government of Tamil Nadu

TAMIL NADU FIBRENET CORPORATION LTD

807, 5th floor, P.T lee Chengalvaraya Naicker Maaligai

Anna Salai Chennai – 600 002

tanfinet.tn.gov.in | Phone: 044-28888230 | tenders.tanfinet@tn.gov.in



NOTICE INVITING TENDER

Tender No. NIT_TANFINET_027_TANFINETPoPs_SP

TANFINET invites tender for "Selection of Service Provider(s) for providing connectivity (MPLS VPN/ILL) services on rate contract basis". For complete details, please visit tanfinet.tn.gov.in or www.tntenders.gov.in. Pre-bid meeting: date 10.07.2026, time: 11.30 Last date for submission of e-bids: 29.07.2026, 03.00PM. For queries: tenders.tanfinet@tn.gov.in.

- MANAGING DIRECTOR

2 Introduction

Tamil Nadu FibreNet Corporation Ltd (TANFINET) is a Government of Tamil Nadu undertaking, functioning under the administrative control of the Information Technology & Digital Services Department, Government of Tamil Nadu. TANFINET Corporation is the State Implementing Agency (SIA) for executing BharatNet Phase II Project in Tamil Nadu. The project envisages connecting all Village and Block Panchayats in the State through Optical Fiber Cable (OFC) to provide connectivity with minimum capacity of 1Gbps. BharatNet project envisages providing an OFC infrastructure from Block headquarters to Gram panchayats and establishes S-NOC at Chennai.

Now, it is proposed to connect various Block headquarters across the State to S-NOC at Chennai to ensure that traffic flow happens from Block to S-NOC. Further, TANFINET proposes to have internet gateways at S-NOC, Chennai and Trichy, accordingly, TANFINET proposes to procure bandwidth services from ISP/TSP on Rate contract basis throughout Tamil Nadu for following:

PART-A - MPLS VPN (1:1) Connectivity over CSC through Fibre:

Multi-Protocol Label Switching Virtual Private Network (1:1) Connectivity over Carrier Supporting Carrier (CSC) through Fibre

PART-B - MPLS VPN (1:1) Connectivity over CSC through Fibre with bandwidth on demand :

Multi-Protocol Label Switching Virtual Private Network (1:1) Connectivity over Carrier Supporting Carrier (CSC) through Fibre with bandwidth on demand capability over and above the committed bandwidth capacity.

PART-C - MPLS VPN (1:1) Connectivity over CSC through Fibre with burstable bandwidth feature:

Multi-Protocol Label Switching Virtual Private Network (1:1) Connectivity over Carrier Supporting Carrier (CSC) through Fibre with

burstable bandwidth capability over and above the committed bandwidth capacity.

PART-D: ILL (1:1) Connectivity along with DDoS Protection Requirement:

Internet Leased Line (1:1) Connectivity through Fibre with DDoS Protection Requirement.

PART-E - MPLS VPN (1:1) Connectivity:

Multi-Protocol Label Switching Virtual Private Network (1:1) Connectivity

PART-F: ILL (1:1) Connectivity: Internet Leased Line (1:1) Connectivity

PART-G: P2P-LL Connectivity: Point to Point Leased Line connectivity with different bandwidth ranging from 2 Mbps to 10Gbps with distance from 5 km to 501 km.

PART-H: MPLS ON 4G / 5G: Multi-Protocol Label Switching Virtual Private Network (1:1) Connectivity through 4G / 5G Radio Access Network.

Applicability of Telecom Regulatory Authority of India (TRAI) Guidelines

TRAI Broadband Policy/ Guidelines will be applied as applicable.

3 Tender Schedule

1.	Tender Inviting Authority, Designation and Address	Managing Director, TANFINET Corporation No.807,5th Floor, P.T. Lee Chengalvaraya Naicker Maaligai, Anna Salai, Chennai-600002.
2.	A) Name of the Work	<p>Selection of Service Provider(s) for providing connectivity (MPLS VPN/ILL) services on rate contract basis.</p> <p><u>PART-A - MPLS VPN (1:1) Connectivity over CSC through Fibre:</u> Multi-Protocol Label Switching Virtual Private Network (1:1) Connectivity over Carrier Supporting Carrier (CSC) through Fibre</p> <p><u>PART-B - MPLS VPN (1:1) Connectivity over CSC through Fibre with bandwidth on demand:</u> Multi-Protocol Label Switching Virtual Private Network (1:1) Connectivity over Carrier Supporting Carrier (CSC) through Fibre with bandwidth on demand capability over and above the committed bandwidth capacity.</p> <p><u>PART-C - MPLS VPN (1:1) Connectivity over CSC through Fibre with burstable bandwidth feature:</u> Multi-Protocol Label Switching Virtual Private Network (1:1) Connectivity over Carrier Supporting Carrier (CSC) through Fibre with burstable bandwidth capability over and above the committed bandwidth capacity.</p>

		<p><u>PART-D:ILL (1:1) Connectivity along with DDoS Protection Requirement:</u> Connectivity through Fibre with DDoS Protection Requirement</p> <p><u>PART-E - MPLS VPN (1:1) Connectivity:</u> Multi-Protocol Label Switching Virtual Private Network (1:1) Connectivity</p> <p><u>PART-F: ILL (1:1) Connectivity:</u> Internet Leased Line (1:1) Connectivity</p> <p><u>Part-G: P2P LL Connectivity:</u> Point to Point Leased Line Connectivity</p> <p><u>Part-H: MPLS ON 4G / 5G: MPLS VPN (1:1) Connectivity through 4G / 5G Radio Access Network.</u></p>
3.	B) Tender reference	NIT_TANFINET_027_TANFINETPoPs_SP
	C) Installation/Place of work	Throughout Tamil Nadu (List of locations for Part A , B, C & D are annexed)
	Tender documents available place	Tender documents can be freely downloaded from https://tntenders.gov.in from 25.06.2026.
4.	Earnest Money Deposit (EMD)	The EMD Amount of Rs.5,00,000/- (Rupees Five Lakh only) for each part. The EMD Amount of Rs. 40,00,000/- (Rupees Forty Lakh Only) for all parts, should be paid electronically through e-tender portal. On-line Payment as per e-procurement Portal Procedure.
5.	Tender submission	Two Part Tender comprising of Technical Bid and Price Bid shall be submitted electronically through the e- Tender Portal https://tntenders.gov.in

7.	Bid signing	Bidder shall possess valid Class 3 - Signing and Encryption Digital Signature Certificates for signing the Bids
8.	Help manuals for e-Tender	Bidder may download the help documents and user manuals from https://tntenders.gov.in
9.	Date and Place of e-Portal Training and Pre-Bid Meeting	10.07.2026 @ 11.30AM the address mentioned in S.No (1) above.
10.	Due Date and Time of submission of Tender	29.07.2026 @ 03.00 PM at the URL mentioned in S. No (7) above.
11.	Date, Time and Place of opening of the Technical Bids	29.07.2026 @ 04.00 PM at the address mentioned in S. No (1) above.
12.	Date, Time and Place of opening of the Price Bids	Shall be intimated only to the Technically Qualified Bidders.
13.	Bid validity	Bid validity shall be 90 days



General Terms and Conditions

4 General Terms and Conditions of Tender

- a) Every effort has been made to provide comprehensive and accurate background information, requirements and specifications in this Tender.
- b) The Bidders are required to examine the instructions, terms and conditions and specifications given in the Tender.
- c) The Bidder shall be deemed to have been fully satisfied before Bidding so as to the correctness and sufficiency of its Bids for the Contract and Price quoted in the Bid to cover all obligations under this Tender.
- d) It shall be the responsibility of the Bidder that all factors have been investigated and considered while submitting the Bids and no claim whatsoever including those financial adjustments; time schedule to the Contract awarded under this Tender shall be entertained by TANFINET on account of failure by the Bidder.
- e) Failure to furnish all required information in every aspect shall be at the Bidder's risk and may result in the rejection of Bid.
- f) Bid with conditions other than those specified in the Tender document is liable to be summarily rejected. No modification by the Bidder in any of the conditions shall be permitted.
- g) No commitment of any kind, contractual or otherwise shall exist unless and until Letter of Acceptance is issued as per the terms and conditions of the tender.
- h) It shall be imperative for each Bidder(s) to familiarize itself with the prevailing legal situations for the execution of Contract. TANFINET shall not entertain any request for clarification from the Bidder regarding such legal aspects.
- i) It must be clearly understood that the Terms and Conditions, specifications are intended to be strictly enforced. No escalation of cost in the Tender by the Bidder shall be permitted throughout the period of Contract.

- j) The Contractor shall make knowledge transfer to the TANFINET representatives at TANFINET designated locations .
- k) The Contractor shall be fully and completely responsible to TANFINET and the End User for all the deliveries and deliverables.
- l) The Contractor and the OEM of the Item offered are jointly and severally responsible for the product specifications and its performance as required in the Tender document.
- m) Any Bidder who is blacklisted by TANFINET or any State or Central Government or its agencies shall not be eligible to bid for the Tenders of TANFINET. Bidder shall give an undertaking in this regard.
- n) In case Bidder conceals any fact that materially affects the tender, the bid will be summarily rejected
- o) In case any show cause notice has been issued by TANFINET for poor performance to any of the bidder, then TANFINET reserves the right to disqualify the bid submitted by such bidder.

4.1 Pre-Bid meeting

- a) Pre-Bid meeting shall be conducted as mentioned under Tender Schedule. Bidder can seek clarifications on the published Tender document during the Pre-Bid meeting.
- b) However, the Bidder shall have to ensure that their queries/clarifications are mailed to TANFINET in the prescribed format and only those queries/clarifications addressed by the mail shall alone be considered.
- c) No queries received within 48 hours before the scheduled tender opening time shall be entertained or responded. Bidder shall have no right to make any claims based on any query raised in this manner.

4.2 Clarifications and Queries to the Tender

- a) A prospective Bidder requiring any clarification in the Tender shall notify TANFINET through email (tenders.tanfinet@tn.gov.in and tanfinet@tn.gov.in) in the following format in a formatted, password-free, editable spreadsheet file only.

Tender Reference						
Name of Company					Mobile No.	
Contact Person					Email ID	
S. No	Page No.	Clause No.	Title of the Clause	Description of the Clauses as per Tender Document	Clarification / Amendment Sought	Reason for requesting the amendment

- b) The responses to the queries shall be notified in the website <https://tntenders.gov.in> by means of Addendum/Corrigendum to the Tender Document and shall form part of the Tender document.
- c) Inputs/Suggestions/Queries/Clarifications submitted by Bidder shall be given due consideration. However, it is not mandatory for TANFINET to accept or communicate the response to any of the Bidder' Inputs/suggestions/queries/clarifications.

4.3 Amendments to the Tender

- a) TANFINET may amend the Tender document as per requirements or wherever TANFINET feels that such amendments are absolutely necessary. Amendments also may be made in response to the queries by the prospective Bidder.
- b) Corrigendum, amendments and addendum if any shall be notified in <https://tntenders.gov.in>.
- c) The Bidder shall periodically check for the amendments or corrigendum or information in the websites till the closing date of the Tender. TANFINET shall not make any individual

communication to the bidders and shall in no way be responsible for any ignorance pleaded by the Bidder.

- d) No clarifications would be offered by TANFINET within 48 hours prior to the due date and time for opening of the Tender.
- e) TANFINET at its discretion may or may not extend the due date and time for the submission of Bids on account of amendments.
- f) TANFINET is not responsible for any misinterpretation of the provisions of this Tender document on account of the Bidder's failure to keep them updated of the Bid documents on changes announced in the website.

4.4 Language of the Bid

The Bid prepared by the Bidder as well as all correspondence and documents relating to the Bid shall be in English only. The supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate translation in English duly notarised, in which case, for all purposes of the Bid, the translation provided by the Bidder shall govern. Bids received without such translated copies are liable to be rejected.

4.5 Bid Currency

Price shall be quoted in Indian Rupees (INR) only and payment shall be made in Indian Rupees only.

4.6 Labor Laws Compliance

The Contractor shall be solely responsible for payment of remuneration to the employees employed for the performance of the obligations and to comply with the Rules and Regulations as laid down in Payment of Wages Act, 1936, Minimum Wages Act, 1948, Workmen's Compensation Act, 1923, Industrial Disputes Act, 1947, Employees State Insurance Act, 1948, Contract Labour (Regulation and Abolition) Act, 1952, Payment of Bonus Act, 1965, Employees Provident Funds and Miscellaneous Provisions Act, 1952, Shops and Establishment Act, Factories Act, 1948 and all the applicable Laws

from time to time. Any consequences arising due to non-compliance of the provisions as specified above shall be the sole responsibility of the Contractor. The relationship between the parties is on principal-to-principal basis and cannot be construed as partnership, agency, delegations or contract labour, etc.

4.7 Conflict of Interest

Bidder shall furnish an affirmative statement as to the absence of, actual or potential conflict of interest on the part of the Bidder due to prior, current, or proposed Contracts, engagements, or affiliations with other Organizations of the State Government. Additionally, such disclosure shall address any and all potential elements (time frame for service delivery, resource, financial or other) that would adversely impact the ability of the Bidder to complete the requirements as given in the Tender document. Declaration to this effect shall be submitted by the Bidder in the prescribed format given in the Tender document.

4.8 Letter of Authorization

Letter of Authorization or Power of Attorney from the Board of Directors / Competent authority shall be submitted in the Technical Bid, failing which the Bids shall be summarily rejected.

4.9 Tender Validity

The offer submitted by the Bidders should be valid for a minimum period of 90 days from the date of opening of the Tender.

4.10 Contacting Tender Authorities

- a) Bidder shall not make attempts to establish unsolicited and unauthorized contact with the Tender Accepting Authority, Tender Inviting Authority or Tender Scrutiny Committee after the opening of the Tender and prior to the notification of the Award.

- b) Any attempt by any Bidder to bring to bear extraneous pressures on the Tender Accepting Authority or Tender Scrutiny Committee shall be a sufficient reason to disqualify the Bidder.
- c) Notwithstanding anything mentioned above, the Authority may seek bonafide clarifications from Bidder relating to the Tenders submitted by them during the evaluation of Tenders. The bidder is bound to furnish the clarification sought by TANFINET and failure to do so may lead to summary rejection of the tender.

4.11 Bid Submission Process

- i. Tender document is uploaded in the e-Tender portal <https://tntenders.gov.in>. The prospective Bidder shall register themselves in the e-Tender Portal (<https://tntenders.gov.in>) and submit the Bids electronically through the e-Tender portal.
- ii. It is mandatory for the Bidder to possess a valid Class -3 Signing and Encryption Digital Signature Certificate in the name of the Tender submitting authority to complete the e-Tender Bid process as per the provisions of Government of India IT Act 2000 with latest amendments.
- iii. Digital Signature Certificates can be obtained from the authorized certifying agencies, details of which are available in the web site <https://tntenders.gov.in> under the link "Information about DSC".
- iv. The website has user manuals with detailed guidelines on enrolment and participation in the online Bidding process. The user manuals can be downloaded for ready reference.
- v. The Bidders are requested to download the e-Tender help manual and user manuals from the Portal for reference.
- vi. The registered Bidder can log into the e-Tender portal and download the Bid Forms and Tender document / Corrigendum as applicable and go through them carefully.
- vii. Bidder shall go through the Tender documents and get ready with all relevant documents in file extensions such as pdf/.xls/.rar formats

as indicated therein and then have them uploaded against each category. In the Technical Bid, the Bidder may attach an index page wherever necessary, in the beginning, which indicates the details of the files/documents that follow the index page against Technical Bid content indicated. This shall also support for quick reference while review.

- viii. While scanning the Bid documents to convert to .pdf, the Bidder shall scan the page in min of 65 dpi, to get a readable page after scanning and also the size of the document shall also be lesser. For pages in text, it is advised to use min. 65 dpi mode and for pages with images min. 100 dpi mode.
- ix. Bidder shall be ready with the Technical Bid and Price Bid in filled form well in advance to avoid last minute submission and once the bids are ready in all aspects, they may choose the freeze option to submit the Bid finally and thereafter they shall get a **Bid acknowledgement receipt** which is the final end, indicating the Successful submission of the Bid.
- x. The Technical and Price Bids shall be submitted separately using the Digital Signature Certificates.
- xi. Bidder can do the resubmission of the Bid any number of times, either Technical Bid or Price Bid or both till the closure of bid.
- xii. The Bids shall be submitted online not later than the date and time specified in the Tender Schedule or Corrigendum if published. e-Tender portal shall automatically lock the date and time exactly as specified in the tender.
- xiii. Even if the Bid submission is in half way through during the date and time, submission would not be possible. Hence the Bidder should be cautious to submit the Bids well in advance to avoid failures in the submission of their bids.

- xiv. TANFINET shall not be responsible for the failure of the Bidder to submit the Bids due to any reason including the tender portal related challenges.
- xv. For all Tender processing activities, the server time indicated at the top of the e- Portal, while doing Bid submission/Tender opening activities shall be final. The Local system time shall not be taken into account in such case.
- xvi. The e-Tender system shall issue a **Bid acknowledgement receipt** which is the final proof for the Successful Bid submission.
- xvii. Bidder may contact the Helpdesk at National Informatics Centre for support on the Tender portal.
- xviii. Bidder should examine all Instructions, Terms and Conditions and Technical specifications given in the Tender document. Failure to furnish information required by the Bid or submission of a Bid not substantially responsive in every aspect shall be at the Bidder risk and may result in rejection of Bids.
- xix. Any bid with conditions other than those specified in the Tender document is liable to be summarily rejected. No modification by the Bidder in any of the conditions shall be permitted.
- xx. The Bidder shall duly fill, sign and stamp on all pages of the Tender documents, all statements, certificates uploaded by them, owning responsibility for their correctness/authenticity. Not signing in any of the document may lead to rejection of the Bid.
- xxi. The Bid shall contain no inter-lineation, erasures or overwriting except as necessary to correct errors made by the Bidder in which case such corrections shall be counter signed by the Authorized person with date.

4.12 Submission of Hard Copy of Technical Bids

- a) The bidders are requested to handover a hardcopy of the tender document along with annexures scanned and uploaded by them on

the website (excluding price bid form) to TANFINET during bid opening, without fail.

- b) This is only for the sake of convenience of evaluation and shall not be treated as a tender document under TNITT Act or Rules.
- c) No bid shall be disqualified merely for non-submission of hard copy.
- d) In case of any discrepancy between hard copy and the scanned copy submitted in the e-tender portal, only the document/ data submitted in the online portal will be considered as valid.

4.13 Technical Bid Form

- a) The Technical Bid consists of the Bidder's responses to Technical Evaluation Criteria and other tender requirements and terms and conditions prescribed in the tender.
- b) Bidder has to upload the relevant documents in the format, as sought in the Tender against each Item. The Bidder has to verify each uploaded document and sign the same using the Digital Signature Certificate (DSC) before final submission of the bid.
- c) The Technical Bid Format shall not be changed or altered or tampered. If the Bid format is found to be tampered/altered, the Bids shall be summarily rejected.
- d) The Technical Bid documents shall not strictly contain any Price indications, failing which the Bids shall be summarily rejected.
- e) The Technical Bid format as given in the Tender shall be filled and signed using the DSC and the scanned copy in the prescribed format shall be submitted.
- f) The supporting documents and other documents shall be submitted as.pdf in the Technical Bid.
- g) All supporting documents uploaded as compliances to the bid evaluation criteria shall be without any password protection. In case if the password protected documents are uploaded the same shall not be considered for evaluation process.

4.14 Price Bid Form

- a) The Bidder shall submit a Price Bid cover letter in PDF in the format prescribed in the appendix 6.8 of this RFP.
- b) The Bidders are instructed to submit the Price Bid in the prescribed format only. Non-adherence may lead to rejection of the bid.
- c) The Price Bid Form called as the Bill of Quantity (BOQ) shall be in spread sheet format (.xls). The original BOQ shall be downloaded from the Tender site, filled in at the appropriate places indicated in offline and then it has to be uploaded with the same name against the Price Bid option. The BOQ has to be verified and then signed using the DSC before final submission.
- d) The Price Bid Form shall not be changed or altered or tampered. If the Bid form is tampered/altered, the Bids shall be summarily rejected.
- e) The Price Bid Form shall contain only price offers.
- f) The cost quoted by the Bidder shall include cost and expenses on all counts viz., cost of equipment, materials, tools, software, techniques, methodologies, manpower, supervision, administration, overheads, travel, lodging, boarding, in-station & out-station expenses, etc., and any other cost involved in the supply.
- g) The Bidder shall give the total Price with break-up details of all Levies, Taxes & duties, Surcharges, EPF, ESI, Packing, Forwarding, Freight and insurance, etc.
- h) Escalation of cost shall not be permitted during the said periods or during any period while providing services whether extended or not for reasons other than increase of duties / taxes payable to the Governments in India within the stipulated delivery period. The Bidder should particularly take note of this factor before submitting the Bids.

- i) The Price finalised after negotiations should be kept valid during the Contract period and in case of contract extensions, then terms of extension shall be mutually agreed by both parties w.r.t unit Price, timeline, specification, etc.

4.15 Expenditure towards preparing and submission of bids

The Bidder shall bear all costs associated with the Preparation, Submission bids along with Proof-of-Concept Solution demonstration of Bids including the cost for Sample evaluation and Demonstration. TANFINET/End User shall in no way be responsible or liable for the charges/costs incurred regardless of the conduct or outcome of the Bidding process.

4.16 Earnest Money Deposit (EMD)

- a) The Bid should be accompanied by an online submission of the Earnest Money Deposit (EMD) of amount specified in section 3 titled Tender Schedule of this RFP for those who are bidding. EMD shall be paid on-line as per the procedure of the e-Tender Portal (www.tntenders.gov.in).
- b) The EMD in any other form will not be accepted. The Earnest Money Deposit (EMD) of the unsuccessful bidders will be auto refunded without any interest to their bank account as per the procedure of the e-tender portal.
- c) Documentary proof of having deposited the EMD shall be submitted under Technical Bid.
- d) If the Successful Bidder fails to act according to the Tender conditions or backs out or fails to accept the LOA, after the Tender has been accepted, the EMD shall be forfeited by TANFINET.
- e) If the Successful Bidder fails to remit the Security Deposit, or sign the Contract the EMD remitted by them shall be forfeited by

TANFINET and the Tender submitted by the Bidder shall be held summarily rejected and considered as void.

- f) The Earnest Money Deposit (EMD) of the Successful Bidder shall be returned when the Successful Bidder furnishes the required Security Deposit and after confirmation of the genuineness of the Bank guarantee from the issuing Bank in case of Bank Guarantee.
- g) EMD of the unsuccessful Bidder shall be returned after Signing of Contract with the Successful Bidder. The EMD amount held by TANFINET, till it is refunded to the Successful Bidder/Unsuccessful Bidder shall not earn any interest thereof for any reason whatsoever.

4.17 Withdrawal of Bids

No Bidder shall be allowed to withdraw the Tenders after submitting the Bid. Any violation shall lead to forfeiture of EMD and such other consequences as may be provided.

4.18 Resubmission of Bids

A Bidder may submit a modified Bid before the last date for receipt of Bids. Provided that where more than one Bid is submitted by the same Bidder, the lowest eligible Price Bid shall be considered for evaluation.

4.19 Tender Bid Opening and Evaluation Process

4.19.1 Technical Bid Opening

- a) The Technical Bid shall be opened on the date and time as specified in the Tender schedule in the presence of that Bidder, who chooses to be present against production of an authorization letter from the Bidder.
- b) Maximum of two representatives for each Bidder would be allowed to attend the Tender opening.

- c) If the date of opening of the Bids happens to be holiday, the Tenders shall be opened on the next working day at the same time and at the same venue.

4.19.2 Preliminary Bid Scrutiny

Initial Bid scrutiny shall be conducted and incomplete details as given below but not limited to, shall be treated as non-responsive.

If Tenders are:

- not submitted in two parts as specified in the Tender
- received without the Letter of Authorization
- received without EMD amount
- found with suppression of information or incomplete information
- furnished with subjective and conditional offers.
- submitted without supporting documents in compliance with the Eligibility Criteria and Evaluation Criteria
- non-compliance of any of the clauses stipulated in the Tender
- lesser validity period

All responsive Bids shall be considered for further evaluation. The decision of TANFINET shall be final in this regard.

4.19.3 Technical Bid Evaluation

- a) Technical Bid evaluation shall be undertaken after the due date of submission of Bid.
- b) Tender Scrutiny Committee shall examine the Technical Bids against the Eligibility Criteria and Evaluation Criteria given in the Tender document.
- c) Evaluation shall be conducted based on the documents submitted by the Bidder. The Bids which did not meet the eligibility criteria and Evaluation Criteria shall be rejected and further evaluation shall not be carried out.
- d) TANFINET may waive any minor infirmity or non-conformity or irregularity of a substantially responsive Bid, which does not

- constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of the Bidder.
- e) For those Bidders who have already worked or working with TANFINET, their previous performance in TANFINET would also be one of the criteria for selection. If any unsatisfactory performances of the Bidders are found, their Bids may be rejected. Unsatisfactory performance is defined as
- a. Non responsiveness after getting the LOA or Purchase / Work Order
 - b. Delay in supply of the ordered Items etc.
 - c. Lack of communication about the delay in deliveries, Installation etc.
 - d. Poor support during the 3 year warranty period.
 - e. Delay in providing services citing reasons of support issues.
 - f. Poor Performance report from Purchaser.
 - g. Not executing the Contract.
 - h. Not submitting the Security Deposit in the stipulated time
- f) Decision of TANFINET is final and no dispute can be raised by any Bidder for rejection of their Bids and no claims on this account shall be entertained.
- g) The Bidders whose Bids meet the Eligibility Criteria and Technical specifications of the products will be called as Technically Qualified Bidders.

4.19.4 Clarifications by TANFINET

- a) When deemed necessary, TANFINET may seek bonafide clarifications on any aspect from the Bidder. However, that would not entitle the Bidder to change or cause any change in the substance of the Bid or Price quoted. No post Bid clarification at the initiative of the Bidder shall be entertained.
- b) If any of the documents required to be submitted along with the Technical Bid is found wanting, the offer is liable to be rejected at that stage. However, TANFINET at its discretion may call for any

clarification regarding the document within a stipulated time period. In case of non-compliance to such queries, the Bid shall be rejected without entertaining further correspondence in this regard.

- c) In case if the Bidder failed to comply with the requirements of TANFINET, such Bids may at the discretion of TANFINET, shall be rejected as Technically non-responsive.

4.19.5 Price Bid Evaluation

- a) The Price Bids of the Technically Qualified Bidders alone will be opened online for evaluation in the presence of the Technically Qualified Bidders who are present at TANFINET. The Price bid shall include all the expenses towards this tender. The Bidders or their authorized representatives will be allowed to take part in the Price Bid Opening.
- b) All the taxes indicated in the Price Bid will be taken for the Price Bid evaluation as per the Tamil Nadu Transparency in Tender Rules 2000 with latest amendments.
- c) No modification of any documents or any quotes shall be allowed at any stage.
- d) The Price Bid Evaluation shall include all Customs Duty and GST as part of the price. The taxes (GST) quoted by the bidders will be taken for the price bid evaluation. However, the GST rates quoted should comply with the statutory guidelines. The taxes (GST) will be paid as applicable at the time of billing.
- e) The prices will be evaluated as per the tender rules and the decision of TANFINET will be final. As this is a rate contract, the following method of price evaluation will be adopted.
- f) Each Part of the tender will be evaluated separately. The bidder may quote any one or two Parts or three or four or all parts, in full. Partial bid for any part is not allowed.

- g) L1 shall be evaluated part wise for parts A, B, C, E, G & H and line-item wise for part D & F. If the rates quoted by the L1 bidder exceeds that of other eligible bidders, the L1 bidder will be asked to adjust their price to match the lowest rate offered by the other eligible bidders against each line-item.
- h) The Tender Accepting Authority may reject a Tender or the Price offered by a Bidder for an item, if it has determined that the Price Bid/Price in combination with other constituent elements of the Tender is abnormally low or abnormally high in relation to the subject matter of the procurement and raises concerns with such authority as to the ability of the Bidder to perform the Contract.
- i) Negotiations shall be conducted with L1 Bidder for improvement in the scope, reduction in Price, enhancement of warranty and advancement of delivery schedule.
- j) TANFINET reserves the right to reject any or all of the Tenders received without assigning a reason.
- k) The decision of TANFINET is final.

4.19.6 Suppression of facts and misleading information

- a) During the Bid evaluation, if any suppression or misrepresentation or any of its kind, is brought to the notice of TANFINET, then TANFINET shall have the right to reject the Bid and if after selection, TANFINET would terminate the Contract without any compensation to the Contractor and the EMD/SD, as the case may be, shall be forfeited.
- b) Bidder shall note that any figures in the proof documents submitted by the Bidder for proving their eligibility is found suppressed or erased, TANFINET shall have the right to seek the correct facts and figures or reject such Bids.
- c) The Tender calls for full copies of documents to prove the Bidder's experience and capacity to undertake the project. It is up to the Bidder to submit the full copies of the proof documents to meet

out the criteria. Otherwise, TANFINET at its discretion may or may not consider such documents.

- d) TANFINET reserves the right to cancel the Tender and retender at its discretion. The decision of TANFINET is final in this regard.

4.19.7 Acceptance of Tender and Withdrawals

- a) TANFINET reserves the right to reject wholly or partly any or all the Tenders without assigning any reason, or relax or waive any of the conditions stipulated in the terms and conditions of Tender as deemed necessary in the best interest of TANFINET/End User.
- b) The Tender Accepting Authority may also reject all the Tenders for reasons such as change in Scope, Specification, lack of anticipated financial resources, court orders, calamities or any other unforeseen circumstances.
- c) After acceptance of the Tender by TANFINET, the Successful Bidder shall have no right to withdraw their Tender or claim higher Price and any violation shall lead to forfeiture of EMD/SD.

4.19.8 Letter of Acceptance (LoA)

- a) After Successful completion of the negotiations and after acceptance of the Tender by TANFINET, Letter of Acceptance shall be issued to the Successful Bidder and other empaneled bidders, if any.
- b) Unless otherwise indicated, date of issuance of LOA indicates the commencement of the Contract.

4.19.9 Right to Vary Scope of Work

Purchaser reserves the right to vary scope of work to the extent of twenty-five percent either way of the quantities indicated in the Tender documents for respective parts.

4.20 Payment of Security Deposit (SD)

- a) The Successful Bidder shall be required to remit a Security Deposit (SD) not exceeding Five Percent of the value of the order. The exact value of the Security Deposit will be mentioned in the LoA to the Successful Bidder.
- b) The proceeds of the Security Deposit shall be payable to the TANFINET as a guarantee of the Contractor's performance of the Contract and compensation for any loss resulting from the Contractor's failure to perform the obligations under the Contract and warranty obligations.
- c) The Security Deposit shall be submitted as Bank Guarantee taken from a nationalized bank in the format annexed.
- d) The SD shall be paid by the Successful Bidder **within 7 days** from the date of issue Letter of Acceptance (LOA) by TANFINET. TANFINET at its discretion may extend the time limit if the reasons for which the extension is sought are deemed fit.
- e) The Bank Guarantee shall be valid for a minimum period of 9 months beyond the Contract period.
- f) Security Deposit will be refunded one year after the successful completion of Purchase/Work Order subject to compliance with all contractual obligations
- g) If there are recoveries to be made, Contractor shall deposit the money before the release of BG for getting the BG released and in failure to do so, BG shall be invoked and recovery to be effected from the realized BG amount and the balance amount, if any, after adjustment of recoveries, shall be refunded to the Contractor.
- h) The validity of the Bank Guarantee shall be extended by the Contractor for appropriate period at its own motion and at its own cost in case of extension of the Contract.
- i) The Security Deposit held by TANFINET, till it is refunded to the Contractor shall not earn any interest thereof.

- j) The Security Deposit/EMD shall be forfeited, if the Successful Bidder withdraws the Bid during the period of Bid validity specified in the Tender or if the Bidder fails to sign the Contract and their offer/Bid shall be held as non-responsive.

4.21 Award and Execution of Contract

- a) The Contract terms and conditions will be communicated to the Successful Bidder at the time of issue of LOA.
- b) Contract shall be signed with the Successful Bidder after the submission of Security Deposit. Security Deposit shall be given within 7 days of issue of LoA.
- c) The Successful Bidder shall execute a Contract in the INR 100 non-judicial Stamp Paper bought in Tamil Nadu only in the name of the Bidder within 7 days from the date of submission of Security Deposit.
- d) The Contract shall include all such changes/modifications as may be indicated by TANFINET at the time of execution upon receipt of confirmation from TANFINET.
- e) The expenses incidental to the execution of the agreement shall be borne by the Successful Bidder.
- f) Delivery Orders shall be placed to the Contractor as per the Terms and Conditions of the Tender.
- g) The following documents shall be deemed to form and be read and construed as part of the Contract.
 - 1) Technical Specifications
 - 2) Tender Terms and Conditions
 - 3) Amendments issued by TANFINET for the Tender document
 - 4) Corrigendum and Addendum issued by TANFINET for the Tender Document
 - 5) Purchase / Work Order(s) issued by TANFINET from time to time
 - 6) Correspondence made by TANFINET to the Contractor from time to time during the period of the Contract.

- h) TANFINET/End User may also procure the goods and services, upon such terms and conditions and in such manner as it deems appropriate, through any Third party if the Contractor fails to deliver the goods/services within the stipulated period. The Contractor shall solely be liable to TANFINET for any additional costs incurred for procurement of such similar goods and services.
- i) The conditions stipulated in the Contract agreement shall be strictly adhered to and violation of any of the conditions shall entail termination of the Contract without prejudice to the rights of TANFINET/End User and TANFINET/End User also have the right to recover any consequential losses from the Contractor.
- j) The Contractor shall keep the Price firm during the period of Contract including period of extensions, if any.
- k) Escalation of cost shall not be permitted during the said periods or during any period while providing services whether extended or not for reasons other than increase of duties/taxes payable to the Governments in India within the stipulated delivery period mentioned in the contract. The Bidder should particularly take note of this factor before submitting the Bids.
- l) The Price finalised after negotiations shall be kept valid during the period of Contract and no escalation in the final Price shall be entertained including but not limited to the reasons due to Foreign Currency Exchange Rate fluctuations.
- m) Exchange Rate fluctuations (Foreign Currency Rate Exchange) cannot be cited as reasons for the delay or dishonor of Work/Purchase / Work Order.

4.22 Execution of Purchase/Work Order

- a) Purchase/Work order shall be issued in full or in parts throughout the period of Contract.

- b) TANFINET reserves the right to modify the scope or the quantity in the Tender document and the Contractor shall undertake the work as in the Purchase/Work order.
- c) The Contractor shall nominate and intimate TANFINET a Nodal Officer for Single Point of Contact (SPOC), who shall be responsible for effective delivery of work complying with all the terms and conditions of the contract. The Contractor shall ensure that the SPOC is fully familiarized with the Tender Conditions, Scope of Work and deliverables.
- d) Contractor shall also submit an escalation matrix for addressing issues, which shall be approved by TANFINET/End user.

4.23 Liability of TANFINET

- a) TANFINET shall not be liable to the Contractor for any losses or damages, costs, charges which the Contractor may in any way sustain/suffer due to any delay at the End User side.

4.24 Limitation of Liability

- a) In the case of Gross negligence or wilful misconduct on the part of the Contractor executing the work or in carrying out the services, the Contractor, with respect to damage including to property and/or Assets/Sales/Revenue of TANFINET/End User shall regardless of anything contained herein, shall be liable for any direct loss or damage that is less than or equal to (A) the Total Contract Value of the Contract or (B) the proceeds the Contractor may be entitled to receive from any insurance maintained by the Contractor, to cover such a liability, whichever of (A) or (B) is higher.
- b) There shall be no limitation of liability in respect of the Contractor in case of any damages for bodily injury (including death) and

damage to real property and tangible personal property, other than as applicable under the relevant laws.

- c) The Contract does not grant or create any rights, benefits, claims, obligations or causes of action in, to or on behalf of any person or entity (including any third party) other than between the respective parties to the Contract, as the case may be.
- d) TANFINET/End User shall be entitled to claim the remedy of specific performance under the Contract. This right to claim for any damage shall be without prejudice to other rights and remedies available to TANFINET/End User under the Contract and law.
- e) TANFINET/End User shall be entitled without prejudice to its other rights and remedies, to deduct from the Price payable to Contractor and also to encash the Bank Guarantee for Security Deposit or any other Bank Guarantee, provided the total amount recovered does not exceed the Total Contract Value or the insurance cover, whichever is higher.

4.25 Assigning of Tender whole or in part

- a) The Contractor shall not assign or make over the Contract, the benefit or burden thereof to any other person or persons or body corporate for the execution of the Contract or any part thereof.
- b) TANFINET/End User reserves its right to cancel the Purchase / Work Order either in part or full, if this condition is violated.

4.26 Indemnity

The Contractor shall indemnify and defend TANFINET/End User and its representatives & employees and hold TANFINET/End User, its representatives, employees harmless from

- a) Damages and losses to persons or property caused by Contractor's negligent or intentional act.

- b) Damages and losses to persons or property resulting from the non-compliance with the established obligations; Third Party claim against TANFINET/End User that any Deliverables/Services/Equipment provided by the Contractor infringes a copyright, trade secret, patents or other intellectual property rights of any third party, in which case the Contractor shall defend such claim at its expense and shall pay any costs or damages that may be finally awarded against TANFINET/End User.
- c) If any deliverable is or likely to be held to be infringing, the Contractor shall at its expense and option either (i) procure the right for End User to continue using it, or (ii) replace it with a non-infringing equivalent, or (iii) modify it to make it non- infringing.
- d) Any environmental damages caused by Contractor
- e) Any and all claims, actions, suits, proceedings, taxes, duties, levies, costs, expenses, damages and liabilities, including attorneys' fees, arising out of, connected with, or resulting from or arising in connections with the services provided by the Contractor due to neglect, omission or intentional act of the Contractor.

4.27 Force Majeure

- a) In the event of either party being rendered unable by force majeure, to perform any obligations required to be performed by them, under the agreement, the relative obligations of the party affected by such force majeure shall upon notification to the other party is suspended for the period during which such cause lasts.
- b) The term "force majeure" as employed herein shall mean act of God, war, civil riot, fire, flood and Acts and Regulations of Government of India and or State of Tamil Nadu, which prevents the performance by the parties to this agreement

- c) Upon the occurrence of such cause and upon its termination, the party alleging that it has been rendered unable as aforesaid thereby, shall notify the other party in writing within 7 days of the alleged beginning and ending thereof giving full particulars and satisfactory evidence in support of its claim.
- d) In the event of TANFINET/End User satisfied with the reasons provided as aforesaid, it will inform in writing that the time for performance of relative obligations suspended for such period.
- e) If the Force Majeure event continues for more than sixty (60) consecutive days, and substantially frustrates the performance of the contract, TANFINET may terminate the contract by giving fifteen (15) days' written notice to the other party, without incurring any liability or penalty.
- f) No party shall be held liable for breach of contract, imposition of liquidated damages, or other penalties arising from non-performance or delays solely due to a duly notified Force Majeure event.

4.28 TANFINET/End User reserves the right to

- a) Modify, reduce or increase the quantity requirements to an extent of the Tendered quantity as per the provisions of the Act and Rules.
- b) Change the list of areas of supply locations from time to time based on the requirement of the End user.
- c) Insist on quality / specification of materials to be supplied.
- d) Withhold any amount, for the deficiency in the service aspect of the ordered Items supplied to the End User anytime during the Contract period and for want of sufficient documents.
- e) Recover from the payables to the Contractor for any lapse or default on taxes by the Contractor

- f) TANFINET / End User has the right to recover the Input Credit Loss suffered by it due to any default by the vendor including blacklisting / bankruptcy.
- g) Recover from any payable to the vendor irrespective of Contract.

4.29 General Communication

General Communication such as Project Documentation, Progress reporting, Purchase / Work Orders, Amendment to Work / Purchase / Work Orders, etc. shall be through official email ID of the Service provider's Project Leader / representative.

4.30 Notice

Any notice to the Contractor shall be deemed to be sufficiently served, if given or left in writing at their usual or last known place of abode or business or sent to the e-mail id. Any change in postal address or e-mail id shall be communicated without delay, failing which, the communication to the last address or email id shall be deemed to be proper service of communications/notices.

4.31 Validity and Extension of Contract

- a) The Contract shall be valid for such period mentioned in the Special Conditions. TANFINET can request for extension of Contract for a further period as per the Tamil Nadu government Tender Transparency Act.
- b) The Contract shall be extended for such period with the same Terms and Conditions including Price as mutually agreed between the parties.
- c) Validity of Bank Guarantee for Security Deposit shall be extended by the Contractor accordingly at its own cost.

4.32 Termination of Contract

4.32.1 Termination for default:

- a) TANFINET may without prejudice to any other remedy for breach of Contract, by written notice of default with a period of 7 days, sent to the Contractor, terminate the Contract in whole or part
 - (i) if the Contractor fails to deliver any or all of the goods within the time period specified in the Contract or within any extension thereof granted by TANFINET; or
 - (ii) If the Contractor fails to perform any of the obligation under the Contract; or
 - (iii) If the Contractor, in the judgement of TANFINET, has engaged in fraudulent and corrupt practices in competing for or in executing the Contract or
 - (iv) Supplies the Items inferior to the ordered / accepted specifications; or
 - (v) Not procured and supplied the Item from the OEM from whom the MAF was obtained; or
 - (vi) Not supplied as per any of the Tender conditions.
- b) In the event TANFINET terminates the Contract in whole or in part, TANFINET may procure, upon terms and in such manner as it deems appropriate, the goods and services similar to those and delivered and the Contractor shall be liable to TANFINET for any additional costs for such similar services. However, the Contractor shall continue the performance of the Contract to the extent not terminated.

4.32.2 Termination for Insolvency:

- a) TANFINET may at any time terminate the Contract by giving written notice with a period of 7 days to the Contractor, if the Contractor becomes bankrupt or otherwise insolvent.
- b) In this event, termination shall be without compensation to the Contractor, provided that such termination shall not prejudice or

affect any right of action or remedy that has accrued or shall accrue thereafter to TANFINET.

4.32.3 Termination for Convenience:

- a) TANFINET may by written notice, with a period of seven days sent to the Contractor, terminate the Contract, in whole or in part, at any time for its convenience.
- b) The notice of termination shall specify that termination is for TANFINET's convenience, the extent to which performance of work under the Contract is terminated, and the date upon which such termination becomes effective.
- c) On termination, the Contractor is not entitled to any compensation whatsoever.
- d) TANFINET reserves the right to cancel the order(s) and to terminate the Contract in the event of short performance or non-performance of Contractor.

4.33 Effects of Termination

1. In the event that TANFINET terminates this Agreement pursuant to failure on the part of the Contractor to comply with the conditions as contained in Tender and depending on the event of default, Security Deposit furnished by Contractor may be forfeited.
2. Upon the expiration or termination of the Contract, the Contractor shall undertake the actions set forth in the Contract to assist TANFINET/End User to replace services as provided hereunder:
 - a. In respect of Third-party Intellectual Property Rights, the Contractor undertakes to secure such consents or licenses for End User from such third parties as are necessary to enable End User or its replacement Successful Bidder (any other agency that is selected for maintaining the system in place of the Contractor, if

- applicable) to receive services substantially equivalent to the Services hereunder.
- b. The Contractor shall transfer to End User, in accordance with the terms of the Contract, Assets or Deliverables including the software, if any, (and including any data, ownership, source code and associated documentation) in which End User has the right, title and interest and that is in the possession or control of the Contractor.
 - c. In the event of the premature termination of the contract, the Contractor shall be eligible to receive Payments as described in the Payment Schedule for the work completed and approved by TANFINET and End User.
 - d. The Contractor shall continue to perform all their obligations and responsibilities as stipulated under the Contract and as may be proper and necessary to execute the scope of work under the Contract to maintain business continuity.
 - e. In the event that TANFINET/End User terminates the Contract due to default or material breach of the Contract on the part of the Contractor, then TANFINET shall be entitled to forfeit the Security Deposit submitted for this Project and pursue such other rights and/or remedies that may be available to TANFINET/End User under law.
 - f. Notwithstanding anything contained herein above and without prejudice to the right to terminate the Contract, if the Contractor fails to set up and operationalize the system at the designated locations, TANFINET/End User may in its sole discretion, engage another party to fulfil the remaining obligations (or part of the remaining obligations) as may be decided, at the risk and cost of the Contractor. The additional cost incurred by the

TANFINET/End User shall be recoverable from the Security Deposit or any amount payable or due to the Contractor, and in case such Security Deposit or amount is not adequate, the Contractor shall make good the shortfall.

- g. The termination hereof shall not affect any accrued right or liability of either party nor affect the operation of the provisions of the Contract that are expressly or by implication intended to come into or continue in force on or after such termination.
 - h. The action as provided in this clause shall not be construed or treated as waiver of any right of the TANFINET/End User and the right to terminate the Contract shall subsist even if an action in accordance with this clause has been taken.
3. If the Contract is terminated by TANFINET/End User due to supply of substandard services, system or hardware to the stations, the difference in cost of the items purchased through other Technically Qualified Bidder or any other alternative sources shall be recovered from the Contractor.

4.34 Compliance with Law

The Service Provider shall comply with the laws in force in India in the course of performing this Contract.

4.35 Arbitration

In case of any dispute in the Agreement, including interpretation if any on the clauses of the RFP or the Agreement, the parties shall first try to resolve the same amicably by mutual consultation. If the Parties fail to resolve the dispute by such mutual consultation within twenty-one (21) days of reference of such dispute by one Party to the other, then such unresolved dispute/difference shall be referred

to an Arbitral tribunal consisting of three (3) arbitrators, one to be appointed by each Party and the third arbitrator to be appointed by the two arbitrators.

The arbitral tribunal shall give reasoned and speaking award in respect of each dispute or difference referred to him. The award as foresaid shall be final conclusive and binding on all the parties of this contract in accordance with the law.

The venue of the arbitration shall be at Chennai and the language of arbitration proceedings and that of all documents and communications between the parties shall be in English. The decision of the majority of the Arbitrators shall be final and binding on both the parties to the Arbitration subject to legal remedies available under the law.

The provisions of the Arbitration and Conciliation Act 1996 and any statutory modifications or re-enactment in lieu thereof shall apply to the arbitration proceedings under this clause.

The expenses of the arbitrators as determined by the arbitrators shall be shared equally by the TANFINET and the Agency. However, the expenses for arbitration shall be borne by the parties themselves.

4.36 Jurisdiction of the Court

Any dispute arising out of non-fulfilment of any of the terms and conditions of this Tender/Agreement or any other dispute arising out of the arbitration award will be subject to the jurisdiction of the Courts in the City of Chennai only.

4.37 Subcontracting of Work

The subcontracting is not permitted for the Successful Bidder and other empaneled bidders if any.

4.38 Change Request Management

In case of any Scope change, to that was already proposed and approved during the bidding process, being envisaged by the bidder at any point during the contract, the Change Request Management (CRM) Process would come into effect. A Change Request Management Committee (CRMC) would be formed by the TANFINET to address such CRM requests.

In the event of the bidder-initiated change then bidder needs to provide technical and commercial implications due to this change. The CRMC shall review the change proposal and engage detailed assessment of the claim through secondary market scrutiny for both technical and commercial aspects. Based on the techno-commercial findings of CRMC w.r.t value enhancements being created, then they would share their recommendations to TANFINET.

Based on the recommendations of CRMC, TANFINET shall take necessary decisions on the way forward.



Tender Specific Terms and Conditions



5 Tender Specific Terms and Conditions

5.1 Scope of Work

5.1.1.1 PART-A - MPLS VPN (1:1) connectivity over CSC through Fibre

The scope of bidder for PART-A of the tender is to provide, Multi-Protocol Label Switching Virtual Private Network (1:1) Connectivity over Carrier Supporting Carrier (CSC) through Fibre.

Bidder should provide fiber connectivity only and cost for laying the cable has to be borne in the installation charges against each line item. **The Successful Bidder has to offer the services in full against each Work-order.** Bidder shall provide connectivity through optical fibre medium for 100% of the locations.

5.1.1.2 PART-B - MPLS VPN (1:1) Connectivity over CSC through Fibre with bandwidth on demand :

Multi-Protocol Label Switching Virtual Private Network (1:1) Connectivity over Carrier Supporting Carrier (CSC) through Fibre with bandwidth on demand capability over and above the committed bandwidth capacity.

Bidder should provide fiber connectivity only and cost for laying the cable has to be borne in the installation charges against each line item. **The Bidder shall offer the services to a minimum of 70% of the locations listed in annexure.**

5.1.1.3 PART-C - MPLS VPN (1:1) connectivity over CSC through Fibre with burst bandwidth feature

The scope of bidder for PART-C of the tender is to provide, Multi-Protocol Label Switching Virtual Private Network (1:1) connectivity over Carrier Supporting Carrier (CSC) through Fibre with burst bandwidth feature.

Bidder should provide fiber connectivity only and cost for laying the cable has to be borne in the installation charges against each line item.

The Bidder shall offer the services to a minimum of 70% of the locations listed in annexure.

5.1.1.4 PART-D- ILL Connectivity along with DDoS Protection Requirement

The scope of bidder for **PART-D** of the tender is to provide, Internet Leased Line through Fibre. Equipment cost, cost for supply and laying of OFC and all such costs has to be consolidated into a single category as installation cost.

5.1.1.5 PART-E - MPLS VPN (1:1) Connectivity

The scope of bidder for PART-E of the tender is to provide, Multi-Protocol Label Switching Virtual Private Network (1:1) connectivity. Bidder should provide fiber connectivity only and cost for laying the cable has to be borne in the installation charges against each line item. **The Successful Bidder has to offer the services in full against each Work-order.**

5.1.1.6 PART-F- Internet Leased Line (1:1) Connectivity

The scope of bidder for **PART-F** of the tender is to provide, Internet Leased Line connectivity. Equipment cost, cost for supply and laying of OFC and all such costs has to be consolidated into a single category as installation cost.

5.1.1.7 PART-G- Point to Point Leased Line Connectivity

The scope of work for **PART-G** of this tender is to provide, Point to Point Leased Line connectivity with different bandwidth throughout Tamil Nadu. (2 Mbps to 10 Gbps with Distance from 5 Km to 501 Km) to Government Departments.

5.1.1.8 PART-H- MPLS VPN 4G / 5G

The scope of bidder for PART-H of the tender is to provide, Multi-Protocol Label Switching Virtual Private Network (1:1) connectivity through 4G / 5G Radio Access Network. **The Successful Bidder has to offer the services in full against each Work-order.**

5.2 Brief Overview of the Scope of Work

5.2.1 Technical and Network Connectivity Requirements

5.2.1.1 PART-A -MPLS VPN (1:1) connectivity over CSC through Fibre

Item Code	Item Description
NIT-027-A-001	50 Mbps MPLS VPN - (1:1) on Fibre
NIT-027-A-002	100 Mbps MPLS VPN - (1:1) on Fibre
NIT-027-A-003	500 Mbps MPLS VPN - (1:1) on Fibre
NIT-027-A-004	1 Gbps MPLS VPN - (1:1) on Fibre

Between 100 Mbps to 500 Mbps & 500 Mbps to 1 Gbps, Incremental rates to be provided for every 100 Mbps

Note:

1. Interface handoff at TANFINET router should be 1G Optical Ethernet at 49 Blocks in Tamil Nadu (**List of Blocks annexed**). The number of locations and bandwidth may get increased or decreased based on the Tanfinet Operational requirements. Upon intimation by Tanfinet, ISP's may need to extend their bandwidth lease services according to these changes. Interface handoff should be done in End devices (Cisco Make).
2. Interface handoff at TANFINET router should 10G Optical Ethernet at Chennai (ELCOT Data Center) & Trichy (ECLOT Data Center). Interface handoff should be done in End devices (Cisco make)
3. The Aggregation at SNOC, ELCOT, SDC-II, Chennai and Trichy must be provided in two physical different paths (along with last-mile protection) architecture. The cost of fibre laying shall be borne by the Service Provider.
4. Aggregation bandwidth should be proportionate to the bandwidth procured at spoke/edge locations. Proportion should be 1:1.
5. Bidder shall provide the MPLS VPN connectivity over Carrier Supporting Carrier (CSC) feature only.

6. MPLS VPN bandwidth should support Quality of Service.
7. Bidder shall provide the connectivity with both unicast & multicast functionality.

5.2.1.2 PART-B -MPLS VPN (1:1) connectivity over CSC through Fibre with bandwidth on demand feature

Item Code	Item Description
NIT-027-B-002	500 Mbps MPLS VPN - (1:1) on Fibre
NIT-027-B-002	800 Mbps MPLS VPN - (1:1) on Fibre
NIT-027-B-003	1 Gbps MPLS VPN - (1:1) on Fibre
NIT-027-B-004	10 Gbps MPLS VPN - (1:1) on Fibre

Between 1Gbps to 10 Gbps, Incremental rates to be provided for every 500 Mbps

TANFINET has formed 87 Block Aggregation PoPs across the State. These PoPs require connectivity to S-NOC in Chennai and Trichy. The bandwidth requirement and POP locations may change based on the Tanfinet operational requirements. Upon intimation by Tanfinet, ISP's may need to extend their bandwidth lease services according to these changes.

The Bidder is required to provide "Bandwidth on demand" i.e the bidder should upgrade or downgrade the bandwidth as per TANFINET requirement within 24 hrs after getting intimation from TANFINET. The bidder should deploy the requisite infrastructure for complying the above feature from day 1. Bandwidth on demand required is for MPLS CSC bandwidth.

PART-C -MPLS VPN (1:1) connectivity over CSC through Fibre with burst bandwidth feature

Item Code	Item Description
NIT-027-C-001	500 Mbps MPLS VPN - (1:1) on Fibre
NIT-027-C-002	800 Mbps MPLS VPN - (1:1) on Fibre

Item Code	Item Description
NIT-027-C-003	1 Gbps MPLS VPN - (1:1) on Fibre
NIT-027-C-004	10 Gbps MPLS VPN - (1:1) on Fibre

Between 1Gbps to 10 Gbps, Incremental rates to be provided for every 500 Mbps

TANFINET has formed 87 Block Aggregation PoPs across the State. These PoPs require connectivity to S-NOC in Chennai and Trichy. The bandwidth requirement and POP locations may change based on the Tanfinet operational requirements. Upon intimation by Tanfinet, ISP’s may need to extend their bandwidth lease services according to these changes.

Burst Bandwidth Required for MPLS bandwidth (at Traffic blocks)

1. The proposed Leased MPLS bandwidth provided by the Bidder shall support **burstable bandwidth** capability over and above the committed bandwidth capacity.
2. Bidder shall provision the circuit to allow **temporary utilization of bandwidth up to 150%** of the committed bandwidth, subject to link and network availability.
3. The bursting shall occur **automatically**, without the need for manual intervention from the customer end.
4. Burst bandwidth shall be available for handling **short-term or temporary traffic spikes** without service degradation or disconnection.
5. Bidder shall ensure that the **Quality of Service (QoS)** parameters — latency, jitter, and packet loss — remain within the SLA limits during bursting.
6. The **maximum burst percentage** supported to be 150% of committed rate

7. **Burst usage to be chargeable** for the actual period of burst (hourly basis) and actual increase of bandwidth for every additional 100 Mbps.
8. Bidder shall provide the rates of each 100 Mbps increase on hourly basis in the bid.
9. The bidder shall clearly indicate on the **monitoring and alerting mechanism** available to view burst usage in real time (portal, dashboard, SNMP, etc.).

Technical and Operational Terms for Part B and Part C

1. Aggregation bandwidth **should be proportionate** to the bandwidth procured at spoke/edge locations. Proportion **should be 1:1**.
2. The Aggregation at TANFINET SNOC, ELCOT Data Center, Chennai and TANFINET NOC, ELCOT Data Center, Trichy must be provided in two physical different paths (along with last-mile protection) architecture.
3. Interface handoff at TANFINET router should be on 10G Optical interface (Single Mode) at the end locations. Interface handoff should be done in end device (Cisco make).
4. Interface handoff at TANFINET router should be on 100G Optical Interface at SNOC Chennai and Trichy. The aggregation bandwidth to be provided at Chennai & Trichy as dual links with termination on two Core Routers, with load sharing & redundancy. Interface handoff should be done in End devices (Cisco make at Chennai & Nokia make at Trichy).
5. For the Block PoPs, TANFINET is planning to have the internet traffic flow as mentioned below and the Bidder shall plan the configuration for the same:
 - a) 50% TANFINET PoPs at Chennai
 - b) 50% TANFINET PoPs at Trichy

- c) Fall-back redundancy between Chennai & Trichy (In case of aggregation link failure at Chennai, all blocks should access Trichy aggregation and vice-versa).
6. TANFINET intends to take bandwidth from two ISP's at single traffic PoP / Block
 7. Bidder shall provide the connectivity on MPLS along with Carrier Supporting Carrier (CSC) with below requirements.
 - i. The bidder shall ensure interoperability with MPLS domains of both Service Providers using standard MPLS Carrier Supporting Carrier (CSC) model, as applicable, to maintain MPLS label continuity across administrative boundaries.
 - ii. ISP's shall support the interconnection between the TANFINET core router and each ISP edge routers.
 - iii. Each service provider must support MPLS EXP (QoS marking) transparency across the MPLS cloud.
 - iv. QoS profiles should be mapped and preserved end-to-end between the enterprise and service provider domains.
 - v. Required process to be adopted for multipath, traffic load sharing between SP1 and SP2- to ensure Seamless failover in the event of SP link or router failure.
 8. Bidder shall provide the connectivity with both unicast & multicast functionality.

Multicast and Unicast Compatibility

The proposed **MPLS Leased Bandwidth** solution shall support the simultaneous transmission of both **unicast** and **multicast** IP traffic types without degradation of service or performance.

1. Multicast Support:

- i. The MPLS network must support **IP Multicast routing**
- ii. The network should allow join and leave messages to pass seamlessly between customer edge (CE) and provider edge (PE) routers.

- iii. The service must enable multicast distribution to multiple remote sites without replicating traffic at the source (efficient bandwidth utilization).

2. Unicast Support:

Normal unicast traffic (e.g., HTTP, HTTPS, DNS, video-on-demand, management traffic, etc.) shall operate concurrently on the same MPLS link.

3. Concurrent Operation:

- i. The link must be capable of handling **multicast and unicast streams simultaneously** over the same bandwidth pipe.
- ii. The ISP shall ensure Quality of Service (QoS) mechanisms are in place to prevent multicast streams from affecting unicast performance.

4. Performance Parameters:

- i. No additional bandwidth segregation or logical partitioning shall be required to enable multicast.
- ii. Latency, jitter, and packet loss shall remain within SLA limits even when both traffic types are active concurrently.

5. Compliance Declaration:

- i. The bidder must explicitly confirm multicast support on the proposed MPLS backbone and at the last-mile delivery.
- ii. The bidder shall mention supported multicast protocols and any configuration requirements.

6. Redundancy and Load sharing:

TANFINET will avail MPLS bandwidth from multiple ISPs in an PoP / block. The bidder should support with required configuration at ISP end for redundancy and load sharing between the ISPs.

General Conditions for Part-A ,Part-B & Part-C

1. This part calls for bids for provision of MPLS CSC VPN Bandwidth of different speeds as service on Fibre only.
2. The uptime/downtime reports taken from NMS reports by the service provider will be the reference for SLA calculation and this NMS report shall be provided at no extra cost. It is recommended that service provider should have separate tab for SLA that mentions links wise SLA (Uptime percentage). **TANFINET at its discretion shall verify the reports and may also have a separate NMS tool to validate the SLA.** Payment to the successful bidder would be made on verification and validation of SLA.
3. Service provider should provide NMS portal and credentials to monitor performance of link(s).

Monitoring and reporting

1. The Service provider should submit Monthly / Quarterly Reports indicating the % of uptime during that Month / Quarter for each link. It is recommended that a separate tab for SLA report should be available for easy monitoring and SLA Verification.
2. Burst Bandwidth detail to be shared in detail as a monthly report along with the date, duration and bandwidth usage.
3. On the quarterly bill, bandwidth on demand usage and payment calculation along with usage details (duration and bandwidth) to be provided.
4. Web based portal should be deployed. The portal should be available for Third party Security Audit.
5. **TANFINET should have a separate login** for the Web Portal for monitoring.

6. Once TANFINET logged in to the portal, all the commissioned MPLS links with relevant understandable names under their purview should be visible with respective SLA uptime in % with MRTG graph.
7. TANFINET should be able to view the following on the on-line portal, on per link basis
 - a. Link Name: **It is recommended** that link name be in readable format with location name **rather Circuit ID of Bidder.**
 - b. Uptime report during month/quarter for each link (Used for SLA Calculation)
 - c. Downtime report during month/quarter for each link
 - d. Bandwidth utilized in real time
 - e. Average bandwidth used based on following filters:
 - i. Hourly
 - ii. Daily
 - iii. Weekly
 - iv. Monthly
 - v. Six monthly
 - vi. Annual
 - f. Average Latency
 - g. Average Packet Loss
8. The bidder has to submit Daily, Weekly, Monthly and Quarterly usage report for the link provided in either soft copy or printout as requested by TANFINET at that Point of time.
9. TANFINET should be able to extract the report in Excel or PDF format and save on personal computer.
10. Bidder has to provide the escalation matrix for issues in Provisioning of Links and maintenance of links.

Fault Reporting

1. Service provider should provide at least one Toll free number for fault notification. (4-digit number is preferable)

2. User can book fault ticket on the on-line portal itself and can see the updation notification on fault restoration. The Ticket should be closed only on customer certification / validation.
3. Service provider should provide one common mail ID for fault notification.
4. The bidder should confirm that at no point of time the traffic of TANFINET will be moving out of the country for monitoring or any other purpose.
5. For the faults that are in scope of the Service providers, the down time should be taken up for SLA uptime % calculation and to be part of SLA tab in NMS tool.
6. Service provider should provide the District-wise escalation matrix (L1, L2 & L3) along with concerned person mobile number & mail ID.

IPv6 compatibility

The Service Provider shall ensure support for both IPv4 and IPv6 protocols from day one of service commencement.

5.2.1.3 PART-D - Internet Leased Line (1:1) Connectivity through Fibre along with DDoS Protection Requirement

Item Code	Item Description
NIT-027-D-001	5 Gbps - Internet Leased Line (1:1) on Fibre
NIT-027-D-002	10 Gbps - Internet Leased Line (1:1) on Fibre
NIT-027-D-003	100 Gbps - Internet Leased Line (1:1) on Fibre
NIT-027-D-004	IP Public IPv4/IPv6 (500 Nos)

Between 10 Gbps to 100 Gbps, Incremental rates to be provided for every 5 Gbps

Note:

1. The guaranteed bandwidth as specified in the table should be dedicated and synchronous.
2. The committed bandwidth has to be fully allocated for the TANFINET from the ISP.
3. The contention ratio should be 1:1 (i.e., one unit of Bandwidth has to be reserved for the TANFINET only)
4. Bandwidth to be provided on 100 Gbps interface.
5. Internet Exit Gateway should have geo redundancy through Chennai and Mumbai international internet exit links.
6. **Bandwidth handover to be on 100G interface at both Chennai & Trichy locations.** The aggregation bandwidth to be provided at Chennai & Trichy as dual links with termination on two Internet Routers, with load sharing & redundancy.
7. Bidder shall provide last mile connectivity on fiber only with two different physical paths (along with last-mile protection) architecture at both Chennai & Trichy locations.
8. The Up-time should be 99.99% with 24 X 7 monitoring. Uptime will be calculated for each quarter.
9. The ISP needs to monitor the link proactively on the event of the link getting down, service request has to be generated automatically and notification to be sent to the customer via e-mail and SMS.
10. The uptime and downtime reports taken from NMS reports by the service provider will be the reference for SLA calculation and this NMS report shall be provided at no extra cost.
11. The last mile provided for the TANFINET should be exclusive for TANFINET only.
12. The ISP has to provide a minimum of 250 Public Static IPs per link (IPv4 or IPv6 as per TANFINET requirement) free of cost.

13. The ISP has to provide the Internet exit with geo redundancy through Chennai and Mumbai international internet exit links.

Load Balancing and Fail Over Between Multiple ISP Links

ISP should support to Inbound traffic with AS-path prepending as detailed below:

1. The selected ISP shall support and cooperate in implementing BGP-based inbound traffic engineering (through AS-path prepending, MEDs, and selective prefix advertisements etc.) to achieve balanced inbound traffic distribution and redundancy across both Internet links.
2. Coordinate with the other ISP to ensure symmetric and consistent advertisement of the organisation's prefix(es).
3. Where applicable, advertise partial subnets (prefix split strategy) as instructed by the organisation, to facilitate load distribution.
4. Support testing and validation of inbound traffic flow paths.
5. Successful Bidders (ISPs) shall participate in an end-to-end acceptance test covering:
 - Simulated ISP link failure to verify automatic traffic switchover.
 - Validation of inbound and outbound load distribution per design.
 - Verification of BGP attributes (AS path, MED, community tags) functioning as intended.

DDoS Protection

1. The Internet Leased Line (ILL) service must include Distributed Denial of Service (DDoS) protection as part of the solution.
2. The bidder shall provide network-level DDoS mitigation at its backbone or edge level (upstream scrubbing).
3. The protection must automatically detect and mitigate volumetric, protocol, and application-layer DDoS attacks.

4. The bidder shall provide real-time alerts, logs, and incident reports in case of DDoS events.
5. The protection should not impact normal traffic or latency under normal conditions.
6. The bidder must clearly specify:
 - a. The type of mitigation used (on-net, scrubbing center, or cloud-based)
 - b. Limitations on DDoS protection

Throughput

1. Service provider should provide end – to – end committed throughput at minimum 99.99% of committed bandwidth.
2. Service provider should be able to upgrade bandwidth immediately without change in CPE at customer end.

Monitoring and reporting

1. The Service provider should submit Monthly / Quarterly Reports indicating the % of uptime during that Month / Quarter for each link. It is recommended that a separate tab for SLA report should be available for easy monitoring and SLA Verification.
2. Web based portal should be deployed. The portal should be available for Third party Security Audit.
3. **TANFINET should be provided with separate login credentials for that Web portal.**
4. Once TANFINET logged-in to that portal, all the commissioned **ILL** links with relevant understandable names with respective SLA uptime in % with MRTG graph should be visible.
5. TANFINET should be able to view following on the on-line portal, on per link basis
 - a. Link Name: It should be readable and should have location name. Bidder's Circuit ID cannot be link name.

- b. Uptime report during month/quarter for each link (Used for SLA Calculation)
 - c. Downtime report during month/quarter for each link
 - d. Bandwidth utilized in real time
 - e. Average bandwidth used based on following filters:
 - Hourly
 - Daily
 - Weekly
 - Monthly
 - Six monthly
 - Annual
 - f. Average Latency
 - g. Average Packet Loss
6. The bidder has to submit Daily, Weekly, Monthly and Quarterly usage report for the link provided in either soft copy or printout as requested by TANFINET at that Point of time.
7. TANFINET should be able to extract the report in Excel or PDF format and save on Personal computer.
8. Provide location wise escalation matrix (L1, L2 & L3) with contact details for resolution of issues in Provisioning of Links and maintenance of links.
9. The bidder must ensure that DDoS mitigation activates within 30 seconds of detection.

Fault Reporting

- 1. Service provider should provide at least one Toll free number for fault notification. (4-digit number is preferable)
- 2. User can book fault ticket on the on-line portal itself and can see the updation notification on fault restoration. The Ticket should be closed only on customer certification / validation.
- 3. Service provider should provide one common mail ID for fault notification.
- 4. Service provider should provide the escalation matrix along with concerned person mobile number & mail ID.

5. The bidder should confirm that at no point of time the traffic of TANFINET will be moving out of the country for monitoring or any other purpose.
6. For the faults that are in scope of the Service providers, the down time should be taken up for SLA uptime % calculation.
7. Reports of DDOS attack incidents and mitigation measures must be submitted within 24 hours of occurrence.

IPv6 compatibility

1. The Service provider backbone should support IPv6 and IPv4 both from day 1.
2. Static Public IPs (IPv4 / IPv6) shall be allotted as per the requirement of TANFINET.

5.2.1.4 PART-E -MPLS VPN (1:1) Connectivity

Item Code	Item Description
NIT-027-E-001	2 Mbps MPLS VPN - (1:1) on RF
NIT-027-E-002	2 Mbps MPLS VPN - (1:1) on Fibre
NIT-027-E-003	4 Mbps MPLS VPN - (1:1) on RF
NIT-027-E-004	4 Mbps MPLS VPN - (1:1) on Fibre
NIT-027-E-005	8 Mbps MPLS VPN - (1:1) on RF
NIT-027-E-006	8 Mbps MPLS VPN - (1:1) on Fibre
NIT-027-E-007	16 Mbps MPLS VPN - (1:1) on RF
NIT-027-E-008	16 Mbps MPLS VPN - (1:1) on Fibre
NIT-027-E-009	32 Mbps MPLS VPN - (1:1) on Fibre
NIT-027-E-010	64 Mbps MPLS VPN - (1:1) on Fibre
NIT-027-E-011	100 Mbps MPLS VPN - (1:1) on Fibre
NIT-027-E-012	200 Mbps MPLS VPN - (1:1) on Fibre
NIT-027-E-013	300 Mbps MPLS VPN - (1:1) on Fibre
NIT-027-E-014	500 Mbps MPLS VPN - (1:1) on Fibre
NIT-027-E-015	700 Mbps MPLS VPN - (1:1) on Fibre
NIT-027-E-016	1 Gbps MPLS VPN - (1:1) on Fibre

Technical and Operational Terms

1. Service provider should plan for aggregation at his own cost. Based on department request, aggregation may be at TANFINET, Perungudi or at Customer place.
2. Aggregation bandwidth **should be proportionate** to the bandwidth procured at spoke/edge locations. Proportion **should not be less than 1:2**. (Ex: For 2 Mbps link at 4 Spoke locations; aggregation should not be planned less than 4 Mbps) and should be upgraded if peak utilization reaches 60% till proportion reaches 1:1 (8 Mbps in this case), if required.

MPLS VPN (1:1) Connectivity

1. This part calls for bids for provision of MPLS VPN Bandwidth of different speeds as service on Fibre only.
2. For the redundant circuit, preference may be given to the successful vendors who have not provided the connectivity for the primary network, depending on the requirement.
3. The uptime/downtime reports taken from NMS reports by the service provider will be the reference for SLA calculation and this NMS report shall be provided at no extra cost. It is recommended that service provider should have separate tab for SLA that mentions links wise SLA (Uptime percentage). **TANFINET at its discretion shall verify the reports and may also have a separate NMS tool to validate the SLA.** Payment to the successful bidder would be made on verification and validation of SLA.
4. Service provider should provide NMS portal and credentials with manpower at TANFINET premises to monitor performance of link(s). The bidder at their cost should install all the Hardware items required for the connectivity. No annual charges for Hardware will be paid by TANFINET irrespective of speed of connectivity. The usage charges

for equipment used by the bidder including transportation & installation per year should be the responsibility of the bidder (Any cost incurred for re-installation has to be done at the cost of the bidder only).

5. Feasibility survey valid for **60 days** should be provided within **7 days** from day of intimation from TANFINET. On Non-receipt of same, TANFINET may proceed with other eligible service providers. TANFINET reserves the right to ask the Service Providers simultaneously for the feasibility survey and award the contract / work to the Service provider who may provide better and faster services. **If L1 bidder doesn't provide feasibility for more than 70% of links for which TANFINET has requested feasibility, then TANFINET reserves the right to divert the order in full to other successful bidder(s) on need basis to complete the project in full.**
6. The Successful Bidder is also responsible to establish/maintain connectivity for Govt. Dept's to access the servers placed at TNSDC. The end equipments will be the property of the bidder and on cancellation of the connectivity at any location; these will be taken back by the bidder.

Bandwidth

1. MPLS VPN Bandwidth should be symmetric dedicated 1:1.
2. The backhaul at State Data centre or Aggregation at any other customer location must be provided in Fibre with Ring architecture.
3. MPLS VPN bandwidth should support Quality of Service.
4. All the CPE devices provided in the Network and their internal components should be new and original.
5. Interface handoff at customer premises should be Gigabit ETHERNET on Electrical or optical as per customer requirement. End devices (Entry level Cisco router are currently deployed) in which the interface

handoff should be done, is not in the scope of Successful Bidder. Connectivity up to customers equipment port like routers, switches, etc. is covered under the Successful Bidder's scope and the same would be monitored in NMS.

6. In order to avoid router port damage/failure, Service provider needs to ensure that necessary line protection to be provided and in case if any customer place equipments (interface card of router or switch, etc) gets damaged due to reasons under the scope of service provider, necessary cost for the damage would be recovered from service provider (as per existing TANFINET Rate Contract).
7. The Service Provider network should support QoS services to provide prioritisation to Video, Voice and Data as per the requirement
8. All the Service provider's POPs should comply with the required security systems and policies.
9. UPS supply for the service providers CPE at dept. end will be provided by dept. up to 100 watts @ 230 VAC. If any service provider's equipment drawing power more than 100 watts, will have to be taken care by the service provider at no extra cost.
10. Supply Layer 3 MPLS VPN bandwidth for TANFINET connectivity with last mile through Fibre at the existing locations and new locations if required in future.
11. The Interface at State HQ shall be Ethernet Interface and the interfaces at all Remote/ branch locations should be only on Ethernet
12. The MPLS VPN connectivity at the State Data centre must be scalable, high capacity network to carry voice, video and data and should be provided with High Uptime. Downtime of aggregation link will also be considered downtime of all the links.
13. The MPLS VPN infrastructure shall be capable of supporting Point-to-Point Tunneling Protocol (PPTP), and Layer 2/ Layer 3 Tunneling Protocol.
14. The bidder should provide all necessary support and coordination with the end user operator for configuring the router port.

Interface

1. Interface handoff at customer side should be Fast Ethernet on electrical or optical port.
2. Service provider shall terminate at customer's Router for MPLS VPN links with bandwidth services. But Router is not in the scope of the service. Service provider shall monitor the port in which connection is terminated in customer's equipment.

Throughput

1. Service provider should provide end – to – end committed throughput at minimum 99% of committed bandwidth. TANFINET may validate bandwidth availability at any point time.

Based on the requirement and feasibility, Service provider should be able to upgrade bandwidth immediately with/without change in CPE at customer end.

Monitoring and reporting

1. The Service provider should submit Monthly / Quarterly Reports indicating the % of uptime during that Month / Quarter for each link. It is recommended that a separate tab for SLA report should be available for easy monitoring and SLA Verification.
2. Web based portal should be deployed. The portal should be available for Third party Security Audit.
3. **It is recommended that** each TANFINET customer have separate secured login and **TANFINET should have a separate login.** Ex: TANFINET would eventually have multiple customers and TANFINET itself procures bandwidth for its own project. Hence separate login for each customer with their procured link to be made available like TANFINET, TNHSP, Court, Treasury, etc. on project basis.

4. Once customer login to their portal, they should see all their links with relevant understandable names under their purview with respective SLA uptime in % with MRTG graph.
5. Customer can view following on the on-line portal, on per link basis
 - a. Link Name: **It is recommended** that link name be in readable format with location name **rather Circuit ID of Bidder.**
 - b. Uptime report during month/quarter for each link (Used for SLA Calculation)
 - c. Downtime report during month/quarter for each link
 - d. Bandwidth utilized in real time
 - e. Average bandwidth used based on following filters:
 - i. Hourly
 - ii. Daily
 - iii. Weekly
 - iv. Monthly
 - v. Six monthly
 - vi. Annual
 - f. Average Latency
 - g. Average Packet Loss
 - h. The bidder has to submit Daily, Weekly, Monthly and Quarterly usage report for the link provided in either soft copy or printout as requested by TANFINET at that Point of time.
6. The user can extract the report in Excel or PDF format and save on personal computer.
7. Devise formats in consultation with TANFINET for Feasibility request, Feasibility completion, Link commissioning, Request for removal/modification of infrastructure, scheduled downtime etc.
8. Provide escalation matrix for issues in Provisioning of Links and maintenance of links.

Fault Reporting

1. Service provider should provide at least one Toll free number for fault notification. (4-digit number is preferable)
2. User can book fault ticket on the on-line portal itself and can see the updation notification on fault restoration. The Ticket should be closed only on customer certification / validation.
3. Service provider should provide one common mail ID for fault notification.
4. The bidder should confirm that at no point of time the traffic of TANFINET will be moving out of the country for monitoring or any other purpose.
5. For the faults that are in scope of the Service providers, the down time should be taken up for SLA uptime % calculation and to be part of SLA tab in NMS tool.

IPv6 compatibility

1. The Service provider backbone should support IPv6 and IPv4 both from day one.
2. Static Public IPs (IPv4 / IPv6) shall be allotted as per the requirement of TANFINET.

5.2.1.5 PART-F - Internet Leased Line (1:1) Connectivity

Item Code	Item Description
NIT-027-F-001	2 Mbps - Internet Leased Line (1:1) on RF
NIT-027-F-002	2 Mbps - Internet Leased Line (1:1) on Fibre
NIT-027-F-003	4 Mbps - Internet Leased Line (1:1) on RF
NIT-027-F-004	4 Mbps - Internet Leased Line (1:1) on Fibre
NIT-027-F-005	8 Mbps - Internet Leased Line (1:1) on RF
NIT-027-F-006	8 Mbps - Internet Leased Line (1:1) on RF
NIT-027-F-007	16 Mbps - Internet Leased Line (1:1) on RF
NIT-027-F-008	16 Mbps - Internet Leased Line (1:1) on Fibre

Item Code	Item Description
NIT-027-F-009	32 Mbps - Internet Leased Line (1:1) on Fibre
NIT-027-F-010	64 Mbps - Internet Leased Line (1:1) on Fibre
NIT-027-F-011	100 Mbps - Internet Leased Line (1:1) on Fibre
NIT-027-F-012	200 Mbps- Internet Leased Line (1:1) on Fibre
NIT-027-F-013	500 Mbps- Internet Leased Line (1:1) on Fibre
NIT-027-F-014	700 Mbps- Internet Leased Line (1:1) on Fibre
NIT-027-F-015	1 Gbps- Internet Leased Line (1:1) on Fibre
NIT-027-F-016	10 Gbps- Internet Leased Line (1:1) on Fibre
NIT-027-F-017	IP Public IPv4 (8 Nos)

Technical and Operational Terms for ISP Link Delivery and Maintenance

1. Providing last mile connectivity on fiber only for Internet bandwidth till respective Customer premises
2. Should have a Service Level agreement like 99% with 24 X 7. Uptime will be calculated for each quarter.
3. Router should be supplied for 1:1 Internet Leased Line and taken back by service provider when connectivity is terminated. Router is covered under the scope of Bandwidth service provider at no extra cost.

Note: Hardware required for implementing the Services should be submitted in technical bid including Data sheet for the same.

4. The ISP needs to monitor the link proactively on the event of the link getting down, service request has to be generated automatically and notification to be sent to the customer via e-mail and SMS.
5. The uptime and downtime reports taken from NMS reports by the service provider will be the reference for SLA calculation and this NMS report shall be provided at no extra cost.

6. The last mile provided for the end customers should also be dedicated for that customer only.
7. Feasibility survey valid for 60 days should be provided within 7 days from day of intimation from TANFINET. TANFINET reserves the right to ask the Service Providers simultaneously for the feasibility survey and award the contract / work to the Service provider who may provide better and faster services.
8. Public IPv4/IPv6 addresses (as per end user requirement)
 - Minimum 6 free Public IPs shall be provided for bandwidth upto 50 Mbps. For Bandwidth between 50 to 100 Mbps, 10 free Public IPs. Every additional 100 mbps, 10 additional free Public IPs to be provided
 - Configuration of IPs is within the ISP's delivery scope.
9. DNS, NTP, and Speed Test Servers
 - Access to DNS, NTP, and speed test servers must be provided link-wise for all client connections. Penalty to be defined.

Monitoring and reporting

1. The Service provider should submit Monthly / Quarterly Reports indicating the % of uptime during that Month / Quarter for each link. It is recommended that a separate tab for SLA report should be available for easy monitoring and SLA Verification.
2. Web based portal should be deployed. The portal should be available for Third party Security Audit. One manpower has to be deployed at NOC (TANFINET) for monitoring the links.
3. **It is recommended that** each TANFINET customer have separate secured login and **TANFINET should have a separate login.** Ex: TANFINET would eventually have multiple customers and TANFINET itself procures bandwidth for its own project. Hence separate login for

- each customer with their procured link to be made available like TANFINET, TNHSP, Court, Treasury, etc. on project basis.
4. Once customer login to their portal, they should see all their links with relevant understandable names under their purview with respective SLA uptime in % with MRTG graph.
 5. Customer can view following on the on-line portal, on per link basis
 - a. Link Name: It should be readable and should have location name. Bidder's Circuit ID cannot be link name.
 - b. Uptime report during month/quarter for each link (Used for SLA Calculation)
 - c. Downtime report during month/quarter for each link
 - d. Bandwidth utilized in real time
 - e. Average bandwidth used based on following filters:
 - Hourly
 - Daily
 - Weekly
 - Monthly
 - Six monthly
 - Annual
 - f. Average Latency
 - g. Average Packet Loss
 6. The bidder has to submit Daily, Weekly, Monthly and Quarterly usage report for the link provided in either soft copy or printout as requested by TANFINET at that Point of time.
 7. The user can extract the report in Excel or PDF format and save on Personal computer.
 8. Devise formats in consultation with TANFINET for Feasibility request, Feasibility completion, Link commissioning, Request for removal/modification of infrastructure, scheduled downtime etc.
 9. Provide escalation matrix for issues in Provisioning of Links and maintenance of links.

Fault Reporting

1. Service provider should provide at least one Toll free number for fault

- notification. (4-digit number is preferable)
2. User can book fault ticket on the on-line portal itself and can see the updation notification on fault restoration. The Ticket should be closed only on customer certification / validation.
 3. Service provider should provide one common mail ID for fault notification.
 4. The bidder should confirm that at no point of time the traffic of TANFINET will be moving out of the country for monitoring or any other purpose.
 5. For the faults that are in scope of the Service providers, the down time should be taken up for SLA uptime % calculation.

IPv6 compatibility

1. The Service provider backbone should support IPv6 and IPv4 both from day 1.
2. Static Public IPs (IPv4 / IPv6) shall be allotted as per the requirement of TANFINET.

5.2.1.6 PART-G – Point to Point Leased Line (1:1) Connectivity

The scope of work for PART-G of this tender is to provide, Point to Point Leased Line connectivity with different bandwidth throughout Tamil Nadu. (2 Mbps to 10 Gbps with Distance from 5 Km to 501 Km) to Government Departments as follows:

- a) To provide a symmetrical (Layer 1) Point to point Leased Line wired connectivity on uncompressed, unshared leased line (1:1) Bandwidth ranging from 2Mbps to 10Gbps (as provided in the table below) from between BharatNet POPs or the points as decided by TANFINET.
- b) This includes installation, commissioning, testing & maintenance of the complete link from the date of installation. The connectivity will be through dedicated leased line service.
- c) A direct 100% Wired copper/fibre optic cable with a minimum guaranteed bandwidth is required from the Bidder. Interface handoff at customer site should be ETHERNET / GIGABIT ETHERNET on optical for

higher bandwidth and the bidder should ensure that the connection is up and working.

d) The Service Provider shall supply and install the equipment required for provisioning the required links and integrate the same to meet customer requirements.

e) The Service Provider shall ensure that the proposed solutions / components / services are maintained as per applicable regulations in India.

Item Code	Item Description
NIT-027-G-001	2 Mbps - Distance from 5 Km to 501 Km
NIT-027-G - 002	4 Mbps - Distance from 5 Km to 501 Km
NIT-027-G - 003	8 Mbps - Distance from 5 Km to 501 Km
NIT-027-G - 004	10 Mbps - Distance from 5 Km to 501 Km
NIT-027-G - 005	16 Mbps - Distance from 5 Km to 501 Km
NIT-027-G - 006	20 Mbps - Distance from 5 Km to 501 Km
NIT-027-G - 007	34 Mbps - Distance from 5 Km to 501 Km
NIT-027-G - 008	45 Mbps - Distance from 5 Km to 501 Km
NIT-027-G - 009	100 Mbps - Distance from 5 Km to 501 Km
NIT-027-G - 010	200 Mbps - Distance from 5 Km to 501 Km
NIT-027-G - 011	500 Mbps - Distance from 5 Km to 501 Km
NIT-027-G - 012	1 Gbps - Distance from 5 Km to 501 Km
NIT-027-G - 013	10 Gbps - Distance from 5 Km to 501 Km

Service Level Agreement:

This SLA is applicable to the circuits provided for TANFINET for each department and the details of circuits for each department will form part of this SLA. Service Provider should operate and maintain the connectivity circuits of Tamil Nadu Government in the year with maximum uptime as per SLA mentioned below.

Required SLA Parameters:

1. The operation of the network should be 24*7*365 days and the uptime of the P2P link should be 98% on monthly basis.
2. Download & Upload: The bandwidth which will be provisioned should have a committed access rate on 1:1 basis with Unlimited upload and download.
3. Latency: The latency of the link should be less than 50 msec between two locations
4. Packet loss on each link: < 1%
5. Service provider should provide tool to TANFINET Corporation for on-line monitoring of the link(s).
6. TSPs/ISPs should coordinate with the Department for commissioning the link at both the ends.
7. TSPs/ISPs should ensure that all links are monitored proactively i.e., as and when link goes down a fault ticket has to be created.
8. It is the responsibility of TSPs/ISPs to carry out all required cable routing till the point of termination. All the necessary cost should be borne by the TSPs/ISPs.

For the links provided through Last Mile Optical Fibre,

- TSPs/ISPs will bear the cost of the equipment provided, and ownership will remain with the TSPs/ISPs; TANFINET Corporation will not be liable.
- The Fail over or path switching should be less than 50ms.
- Whenever there is a planned maintenance window should be informed 24 hours prior to TANFINET Corporation.

Penalty Terms and Conditions:

- I. Payment will be made on a quarterly basis & Non-performance charge for downtime will be calculated on a monthly basis. Thus, Quarterly payment will be made after the deduction of the penalties.
- II. Penalties will be calculated on site uptime basis, which is based on below defined penalty clause.
- III. Link uptime: the guarantee Uptime of 98% of site will be calculated on monthly basis.
- IV. Uptime Penalty in % of total quarterly payment. Penalty will be calculated on per link basis as follows,

S. No	Uptime %	Penalty (%)
1	>=98	0
2	> 97.9 to <= 95	5
3	> 94.9 to <= 90	10
4	> 89.9 to <= 85	15
5	> 84.9 to <= 80	20
6	< 80	100

Note: Down time due to the following situations will not be considered for the purpose of penalty calculation for downtime:

- a) Link down due to power failure and CPE (Customer Premises Equipment's) switch off at the respective locations.
 - b) Scheduled maintenance by the TSPs/ISPs, with prior intimation.
 - c) Any other issues not in scope of TSP/ISPs duly approved by TANFINET.
- V. The Price quoted by TSPs/ISPs shall be kept valid for a minimum period of 90 days from the date of submission of the Bid.
 - VI. If the bandwidth is upgraded for future needs, cost quoted as per the table provided will be taken into account. TANFINET decision is final in this regard.

PART-H – MPLS VPN (1:1) Connectivity on 4G / 5G

<i>Item Code</i>	<i>Item Description</i>
NIT-016-F-001	1 Mbps MPLS VPN - (1:1)
NIT-016-F-002	2 Mbps MPLS VPN - (1:1)

Note:

1. Service provider should plan for aggregation at his own cost. Based on department request, aggregation may be at TANFINET, Perungudi or at Customer place.
2. Aggregation bandwidth **should be proportionate** to the bandwidth procured at spoke/edge locations. Proportion **should not be less than 1:2**. (Ex: For 2 Mbps link at 4 Spoke locations; aggregation should not be planned less than 4 Mbps) and should be upgraded if peak utilization reaches 60% till proportion reaches 1:1 (8 Mbps in this case), if required.

MPLS VPN through 4G / 5G Radio Access Network

3. For the redundant circuit, preference may be given to the successful vendors who have not provided the connectivity for the primary network, depending on the requirement.
4. The uptime/downtime reports taken from NMS reports by the service provider will be the reference for SLA calculation and this NMS report shall be provided at no extra cost. It is recommended that service provider should have separate tab for SLA that mentions links wise SLA (Uptime percentage). TANFINET at its discretion shall verify the reports and may also have a separate NMS tool to validate the SLA. Payment to the successful bidder would be made on verification and validation of SLA.
5. Service provider should provide NMS portal and credentials with manpower at TANFINET premises to monitor performance of link(s). The bidder at their cost should install all the Hardware items required for the connectivity. No annual charges for Hardware will be paid by TANFINET irrespective of speed of connectivity. The usage charges for towers/mast including transportation & installation per year should be the

responsibility of the bidder (Any cost incurred for re-installation has to be done at the cost of the bidder only).

6. Feasibility survey valid for 60 days should be provided within 7 days from day of intimation from TANFINET. On Non-receipt of same, TANFINET may proceed with checking feasibility from other eligible service providers. However, TANFINET reserves the right to ask the Service Providers simultaneously for the feasibility survey and award the contract / work to the Service provider who may provide better and faster services. **If L1 bidder doesn't provide feasibility for more than 70% of links for which TANFINET has requested feasibility, then TANFINET reserves the right to divert the order in full to other successful bidder(s) on need basis to complete the project in full.**

The Successful Bidder is also responsible to establish/maintain connectivity for Govt. Dept's to access the servers placed at TNSDC. The end equipment as well as the tower will be the property of the bidder and on cancellation of the connectivity at any location; these towers will be taken back by the bidder.

Monitoring and reporting:

1. The Service provider should submit Monthly / Quarterly Reports indicating the % of uptime during that Month / Quarter for each link. It is recommended that a separate tab for SLA report should be available for easy monitoring and SLA Verification.
2. Web based portal should be deployed. The portal should be available for Third party Security Audit. One man power has to be deployed at NOC (TANFINET) for monitoring the links.
3. **It is recommended that** each TANFINET customer have separate secured login and **TANFINET should have a separate login**. Ex: TANFINET would eventually have multiple customers and TANFINET itself procures bandwidth for its own project. Hence separate login for each customer with their procured link to be made available like TANFINET, TNHSP, Court, Treasury, etc. on project basis.
4. Once customer login to their portal, they should see all their links with relevant understandable names under their purview with respective SLA uptime in % with MRTG graph.

5. Customer can view following on the on-line portal, on per link basis
 - Link Name: **It is recommended** that link name be in readable format with location name **rather Circuit ID of Bidder.**
 - Uptime report during month/quarter for each link (Used for SLA Calculation)
 - Downtime report during month/quarter for each link
 - Bandwidth utilized in real time
 - Average bandwidth used based on following filters:
 - Hourly
 - Daily
 - Weekly
 - Monthly
 - Six monthly
 - Annual
 - Average Latency
 - Average Packet Loss

The bidder has to submit Daily, Weekly, Monthly and Quarterly usage report for the link provided in either soft copy or printout as requested by TANFINET at that Point of time.

6. The user can extract the report in Excel or PDF format and save on personal computer.
7. Devise formats in consultation with TANFINET for Feasibility request, Feasibility completion, Link commissioning, Request for removal/ modification of infrastructure, scheduled downtime etc.
8. Provide escalation matrix for issues in Provisioning of Links and maintenance of links.

Fault Reporting:

9. Service provider should provide at least one Toll free number for fault notification.(4 digit number is preferable)
10. User can book fault ticket on the on-line portal itself and can see the updation notification on fault restoration. The Ticket should be closed only on customer certification / validation.
11. Service provider should provide one common mail ID for fault notification.

12. The bidder should confirm that at no point of time the traffic of TANFINET will be moving out of the country for monitoring or any other purpose.
13. For the faults that are in scope of the Service providers, the down time should be taken up for SLA uptime % calculation and to be part of SLA tab in NMS tool.

IPv6 compatibility

14. The Service provider backbone should support IPv6 and IPv4 both from day one.
15. Static Public IPs (IPv4 / IPv6) shall be allotted as per the requirement of TANFINET.

Technical and Operational Terms for Link Delivery and Maintenance for Parts E, F, G and H

1. Feasibility and Delivery Commitment

- The ISP shall ensure the delivery of minimum 90% of the links for which feasibility has been requested, failing which subsequent orders will be withheld.

2. Link Shifting and Business Continuity

- Link shifting should be completed within 48 hrs of shifting orders.
- During the shifting process, alternative/temporary connections must be ensured, guaranteeing minimum downtime and continuous business continuity.
- For Parts A, B and C link shifting should be strictly carried out without any deviations.

3. High Bandwidth and Critical Locations

- For high-bandwidth (500 Mbps and above), 100% connectivity shall be ensured through end to end redundancy/ring connections including last mile.

4. CPE Monitoring and Management

- ISP shall share Network Management System (NMS) access/tools to monitor link including the CPE uptime and performance.

5. Link Delivery Validation

- Link delivery will be considered complete only upon termination at the CPE, verified through NOC monitoring.
- Proof of completion (screenshots/logs) must be attached with the CAR submission.

6. Billing and CAR Validation

- The Customer Acceptance Report (CAR) date marked as “delivered” shall be considered as the billing start date.
- Bandwidth-related invoices will be processed only after CAR clearance.

7. Automatic Failover

- ISP(s) should support for Automatic failover to ensure seamless switchover between multiple ISPs/links.

8. Comprehensive CPE for Critical Departments with 500 Mbps and above bandwidth

- For critical Government departments with 500 Mbps and above should have dual path end to end protection including last mile. CPE must support VoIP, LAN, USB and other communication interfaces as required by the client.

5.2.2 Supply Installation Commissioning and Testing

- a) In general, the delivery schedule is taken from date of issue of Purchase/ Work order and on specific instructions from TANFINET. The delivery schedule is taken from the date of LOA.
- b) The items shall be supplied/installed/tested/commissioned as per Purchase / Work Order Delivery Schedule. The date of completion of the Purchase / Work Order shall be the supplied/installed/tested/commissioned date whichever is later.

S.No	Work	Duration
1	<p>Supply, Installation and Commissioning schedule for</p> <p>PART-A: MPLS VPN (1:1) Connectivity over CSC through Fibre</p> <p>PART-B: MPLS VPN (1:1) Connectivity over CSC through Fibre with bandwidth on demand feature</p> <p>PART-C: MPLS VPN (1:1) Connectivity over CSC through Fibre with burst bandwidth feature</p> <p>PART-D: ILL (1:1) Connectivity through Fibre</p> <p>PART-E: MPLS VPN (1:1) Connectivity</p> <p>PART-F: ILL (1:1) Connectivity</p> <p>PART-G: P2P LL Connectivity</p> <p>PART-H: MPLS VPN (1:1) connectivity through 4G/5G</p>	<p>Supply, Installation, Commissioning and Bandwidth Delivery under all parts should be completed within 30 days from the date of issuance of Work Order.</p>

5.2.3 Service Management

1. Any complaint by the end-consumer or challenges identified during preventive maintenance carried out by TAFINET or its designated

agencies / Franchise; a ticket is logged in the Asset Management cum Enterprise Management System (EMS) which holds ITIL based Information Technology Service Management

2. TAFINET shall host Service Desk (Support Call Centre) which shall coordinate such types of consumer complaint or product related potential failure escalation by the Franchise. The service desk operator shall register this complaint as ticket as L1 level ticket for resolution by the respective Service Provider
3. The bidder needs to ensure re-instating the services within 2 working days of the registration of the ticket on the EMS.
4. Post resolution the bidder updates the EMS for ticket closure which will also detail on root cause along with the mitigation approach adopted by the field engineer of the bidder
5. TAFINET's designated agency / franchisee does the field check updates ticket closure details, customer experience.
6. Based on total downtime the penalty will be levied as per the SLA prescribed in this tender
7. In case of any disputes on the root cause and SLA applicability on service provider then TANFINET would investigate and do the needful.
8. In case of repeat issues / complaints then TANFINET terminate the contract in whole or in part, TANFINET may procure, upon terms in such manner as it deems appropriate, the services similar to those delivered and the Contractor shall be liable to TANFINET for any additional costs for such similar services. However, the Contractor shall continue the performance of the Contract to the extent not terminated.

5.3 Service Level Agreement

S.No	Connectivity	Parameter	Formula	Base line	Penalty
1	Part A-MPLS VPN (1:1) connectivity over CSC through Fibre	99% uptime across 24 X 7 with the required specification shall be ensured for every quarter (SLA calculation on quarterly basis).	Service Uptime (%) = (Sum of TH during the Quarter – Sum of DH during the Quarter)/ (Sum of TH during the Quarter) X 100 1. TH = Total Hours 2. DH = Downtime Hour	a. Service Uptime - Min 99% on quarterly basis. b. Packet Loss - < 1% c. Latency - < 50 ms End to End d. Jitter - max 20 msec. e. SLA measurement periodicity – Quarterly. f. SLA Window - 24x7x365 Note The SLA clauses would be applicable for the link uptime excluding CPE	i. No penalty if the uptime is 99% or more. ii. Penalty of 0.2% of the quarterly charges of that location for every 0.1% downtime from 99%upto90% iii. Penalty of 0.4% of the quarterly charges of that location for every 0.1% downtime from 90%upto80%. iv. No payment for that link for that quarter if the uptime is less than 80%.

S.No	Connectivity	Parameter	Formula	Base line	Penalty
2	Part B & Part C- MPLS VPN (1:1) connectivity over CSC through Fibre	99.9% uptime across 24 X 7 with the required specification shall be ensured for every quarter (SLA calculation on quarterly basis).	$\text{Uptime (\%)} = \frac{\text{Sum of TH during the Quarter} - \text{Sum of DH during the Quarter}}{\text{Sum of TH during the Quarter}} \times 100$ <p>TH = Total Hours DH = Downtime Hour</p>	a. Service Uptime - Min 99.9% on quarterly basis b. Packet Loss - < 1% c. Latency - < 50 ms End to End d. Jitter - max 20 msec e. SLA measurement periodicity - Quarterly f. SLA Window - 24x7x365	i. No penalty if the uptime is 99.9% or more. ii. Penalty of 0.2% of the quarterly charges of that location for every 0.1% downtime from 99.9% upto 95% iii. Penalty of 0.4% of the quarterly charges of that location for every 0.1% downtime from 95% upto 90%. iv. No payment for that link for that quarter if the uptime is less than 90%. v. If above situation happens for more than 10% of the total links provided by Service provider, TANFINET may proceed with

S.No	Connectivity	Parameter	Formula	Base line	Penalty
				<p>Note The SLA clauses would be applicable for the link uptime excluding CPE</p>	diverting the order to other eligible service providers and TANFINET may takes steps to make sure that Service provider will not be eligible to participate in other TANFINET Tenders for 3 years even after levying all above penalty.
3	Part D-ILL Connectivity along with DDoS Protection Requirement	99.99% uptime across 24 X 7 with the required specification shall be ensured for every quarter (SLA calculation on quarterly basis).	<p>Uptime (%) = (Sum of TH during the Quarter – Sum of DH during the Quarter)/ Sum of TH during the Quarter X 100</p> <p>TH = Total Hours DH = Downtime Hour</p>	<p>Service Uptime - Min 99.99% (On quarterly basis) Packet Loss - < 1% Latency - < 50 ms End to End Jitter - max 20 msec. SLA measurement periodicity- Quarterly SLA Window - 24x7x365</p> <p>Note The SLA clauses would be applicable for the</p>	<p>I. No penalty if the uptime is 99.99% or more. II. Penalty of 0.2% of the quarterly charges of that location for every 0.1% downtime from 99.99% upto 98% III. Penalty of 0.4% of the quarterly charges of that location for every 0.1% downtime from 98% upto 95%. IV. No payment for that link for that quarter if the uptime is less than 95%. V. Maximum downtime due to DDoS shall not exceed 0.1% per month.</p>

S.No	Connectivity	Parameter	Formula	Base line	Penalty
				link uptime excluding CPE	
4	PART E - MPLS VPN (1:1) Connectivity	99% uptime across 24 X 7 with the required specification shall be ensured for every quarter (SLA calculation on quarterly basis).	$\text{Uptime (\%)} = \frac{\text{Sum of TH during the Quarter} - \text{Sum of DH during the Quarter}}{\text{Sum of TH during the Quarter}} \times 100$ <p>TH = Total Hours DH = Downtime Hour</p>	a. Service Uptime - Min 99% on quarterly basis. b. Packet Loss - < 1% c. Latency - < 50 ms End to End d. Jitter - max 20 msec. e. SLA measurement periodicity - Quarterly. f. SLA Window - 24x7x365 Note The SLA clauses	i. No penalty if the uptime is 99% or more. ii. Penalty of 0.2% of the quarterly charges of that location for every 0.1% downtime from 99%upto90% iii. Penalty of 0.4% of the quarterly charges of that location for every 0.1% downtime from 90%upto80%. iv. No payment for that link for that quarter if the uptime is less than 80%. v. If above situation happens for more than 10% of the total links provided by Service provider, TANFINET may proceed with

S.No	Connectivity	Parameter	Formula	Base line	Penalty
				would be applicable for the link uptime excluding CPE	diverting the order to other eligible service providers and TANFINET may takes steps to make sure that Service provider will not be eligible to participate in other TANFINET Tenders for 3 years even after levying all above penalty.
5	PART F- Internet Leased Line (1:1) Connectivity	99% uptime across 24 X 7 with the required specification shall be ensured for every quarter (SLA calculation on quarterly basis).	$\text{Uptime (\%)} = \frac{\text{Sum of TH during the Quarter} - \text{Sum of DH during the Quarter}}{\text{Sum of TH during the Quarter}} \times 100$ <p>1. TH = Total Hours 2. DH = Downtime Hour</p>	Service Uptime - Min 99% (On quarterly basis) Packet Loss - < 1% Latency - < 50 ms End to End Jitter - max 20 msec. SLA measurement periodicity- Quarterly SLA Window - 24x7x365 Note: The SLA clauses would be applicable for the link uptime excluding CPE	i. No penalty if the uptime is 99% or more. ii. Penalty of 0.2% of the quarterly charges of that location for every 0.1% downtime from 99%upto90% iii. Penalty of 0.4% of the quarterly charges of that location for every 0.1% downtime from 90%upto80%. iv. No payment for that link for that quarter if the uptime is less than 80%. v. If above situation happens for more than 10% of the total links provided by Service provider, TANFINET may proceed with diverting the order to other eligible service providers and TANFINET may takes steps to make sure that Service provider

S.No	Connectivity	Parameter	Formula	Base line	Penalty																					
					will not be eligible to participate in other TANFINET Tenders for 3 years even after levying all above penalty																					
6	PART G- P2P Leased Line (1:1) Connectivity	<p>The operation of the network should be 24*7*365 days and the uptime of the P2P link should be 98% on monthly basis.</p> <p>Latency: The latency of the link should be less than 50 msec between two locations</p> <p>Packet loss on each link: < 1%</p>	<p>Link uptime: the guarantee Uptime of 98% of site will be calculated on monthly basis.</p>	<p>Download & Upload: The bandwidth which will be provisioned should have a committed access rate on 1:1 basis with Unlimited upload and download.</p>	<table border="1"> <thead> <tr> <th>S. No</th> <th>Uptime %</th> <th>Penalty (%)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>>=98</td> <td>0</td> </tr> <tr> <td>2</td> <td>> 97.9 to <= 95</td> <td>5</td> </tr> <tr> <td>3</td> <td>> 94.9 to <= 90</td> <td>10</td> </tr> <tr> <td>4</td> <td>> 89.9 to <= 85</td> <td>15</td> </tr> <tr> <td>5</td> <td>> 84.9 to <= 80</td> <td>20</td> </tr> <tr> <td>6</td> <td>< 80</td> <td>100</td> </tr> </tbody> </table>	S. No	Uptime %	Penalty (%)	1	>=98	0	2	> 97.9 to <= 95	5	3	> 94.9 to <= 90	10	4	> 89.9 to <= 85	15	5	> 84.9 to <= 80	20	6	< 80	100
S. No	Uptime %	Penalty (%)																								
1	>=98	0																								
2	> 97.9 to <= 95	5																								
3	> 94.9 to <= 90	10																								
4	> 89.9 to <= 85	15																								
5	> 84.9 to <= 80	20																								
6	< 80	100																								

S.No	Connectivity	Parameter	Formula	Base line	Penalty

S.No	Connectivity	Parameter	Formula	Base line	Penalty
7	For Parts: A, B, C and D	Mean Time To Restore(MTTR)	Total MTTR Penalty= sum of the penalties of all the MTTR incidences	4 Hrs	<p>Upto 4 Hrs : No Penalty</p> <p>Beyond 4 Hrs upto 8 Hrs: 0.25% of Quarterly Bandwidth Cost of that particular Link.</p> <p>Beyond 8 Hrs upto 12 Hrs: 0.5% of Quarterly Bandwidth Cost of that particular Link.</p> <p>Beyond 12 Hrs upto 16Hrs: 1% of Quarterly Bandwidth Cost of that particular Link.</p> <p>Beyond 16 Hrs to 24 Hrs: 5% of Quarterly Bandwidth Cost of that particular Link.</p> <p>Beyond 24 Hrs: No Quarterly Payment will be released for that particular link.</p>

S.No	Connectivity	Parameter	Formula	Base line	Penalty
8	For Parts: A,B and C	MPLS unicast label issues	<p>Service Uptime (%) = (Sum of TH during the Quarter - Sum of DH during the Quarter)/ (Sum of TH during the Quarter) X 100</p> <p>1. TH = Total Hours 2. DH = Downtime Hour (Including downtime due to label issue)</p>	<p>Must be proactively resolved.</p> <p>Any traffic outage caused due to MPLS label issues shall be treated as downtime for penalty purposes.</p>	Downtime will be added in the Service Uptime SLA and total penalty will be calculated.

S.No	Connectivity	Parameter	Formula	Base line	Penalty
9	For Parts: A,B,C,D,E, F G and H	Bandwidth Assurance	<p>At the time of delivery, the successful bidders has to demonstrate the "bandwidth as per the work order" for each link to TANFINET/Authorized representative.</p> <p>At any point of time, if TANFINET is experiencing low bandwidth, "joint bandwidth testing" will be initiated along with TANFINET/Authorized representative and bidders.</p>	<p>The true bandwidth delivered must match the committed capacity in the tender/work order.</p> <p>If the delivered bandwidth is found to</p> <ul style="list-style-type: none"> i. $\geq 75\%$ of committed bandwidth ii. $\geq 50\%$ of committed bandwidth 	<p>Penalty will be levied</p> <ul style="list-style-type: none"> i. 50% on quarterly bandwidth charges of that link ii. 80% on quarterly bandwidth charges of that link

S.No	Connectivity	Parameter	Formula	Base line	Penalty
10.	For Parts: A,B,C,D,E F, G & H	Monitoring of the delivered link. ISP has to provide overall dash board for all delivered links with link wise details.		Link wise penalty	5% of the links payment will be deducted till the mentioned parameter is facilitated.
11	PART H - MPLS VPN (1:1) Connectivity through 4G / 5G	99% uptime across 24 X 7 with the required specification shall be ensured for every quarter (SLA calculation on quarterly basis).	$\text{Uptime (\%)} = \left(\frac{\text{Sum of TH during the Quarter} - \text{Sum of DH during the Quarter}}{\text{Sum of TH during the Quarter}} \right) \times 100$ <p>TH = Total Hours DH = Downtime Hour</p>	a. Service Uptime - Min 99% on quarterly basis. b. Packet Loss - < 1% c. Latency - < 100 ms End to End d. Jitter - max 20 msec. e. SLA measurement periodicity - Quarterly. f. SLA Window - 24x7x365 Note	i. No penalty if the uptime is 99% or more. ii. Penalty of 0.2% of the quarterly charges of that location for every 0.1% downtime from 99%upto90% iii. Penalty of 0.4% of the quarterly charges of that location for every 0.1% downtime from 90%upto80%. iv. No payment for that link for that quarter if the uptime is less than 80%. v. If above situation happens for more than 10% of the total links provided by Service provider, TANFINET may proceed with

S.No	Connectivity	Parameter	Formula	Base line	Penalty
				The SLA clauses would be applicable for the link uptime excluding CPE	diverting the order to other eligible service providers and TANFINET may takes steps to make sure that Service provider will not be eligible to participate in other TANFINET Tenders for 3 years even after levying all above penalty.

5.4 Technical Bid Evaluation Criteria

Qualification of the Bidder:

The Bidder shall have the following evaluation criteria for participating in the Tender. The Bidder shall enclose documentary evidence for fulfilling Eligibility in the Technical Bid. If a bidder fails to enclose the documentary proof for eligibility, their bid shall be summarily rejected.

TEC	Evaluation Criterion Type	Evaluation Criteria	Documentary Proof to be submitted
1	Legal Entity (Bidder) For Parts A, B, C, D, E, F, G & H	The Bidder shall be a Company registered in India under the Companies Act 1956 / Partnership Firm / Sole Proprietorship Firm and existing for the past 3 years as on 31.03.2025	Certificate of Incorporation for Registered Companies/ Partnership Deed for Partnership Firms / GST or Service Tax Registration Certificate for Sole Proprietorship Firms.
2	GST and PAN (Bidder) For Parts A, B, C, D, E, F, G & H	Bidder must be registered with Tax authorities of Government of India	1.Copy of PAN card 2.Copy of GST registration
3	Power of Attorney (Bidder) For Parts A, B, C, D, E, F, G & H	Power of attorney / Letter of Authorization for the authorized person to sign the bid documents	Power of attorney/ Letter of Authorization for signing the bid documents
4	Past experience	Bidder should have 3 years of existence in the field of IT / Telecom / Installation and commissioning of Network Relevant proof of Purchase / Work Orders/ work completion certificate	Bidder should have 3 years of existence in the field of IT / Telecom / Installation and commissioning of Network Relevant proof of Purchase / Work Orders/ work completion certificate shall be submitted.

TEC	Evaluation Criterion Type	Evaluation Criteria	Documentary Proof to be submitted
5	Sales Turnover For Part A, B, C, D, E, F, G & H	Bidder should have an average Annual Turnover of Rs. 200 Crores or above in the last three successive Audited Financial years. (2021-22, 2022-23, 2023-24).	Copies of the Audited Annual Reports containing the Balance sheets, Profit and Loss account for the last 3 Audited Financial years (2021-22, 2022-23, 2023-24) shall be submitted.
6	Presence in Chennai For Parts A, B, C, D, E, F, G & H	The Bidder shall have office in Chennai.	Proof for the availability of office in Chennai. Copy of the Sale deed/Rental/ Lease Agreement/ latest Landline Telephone bills /any valid legal document issued by the GoI or Govt. of Tamil Nadu signed by Authorized Signatory of the Bidder dated before 31/03/2025 shall be submitted.
7.	Accreditations for Parts A, B, C, D, E, F, G & H	Bidder should have valid ISO 9001:2015 certification or latest and ISO 27001 or equivalent.	Should produce copies of ISO certificate valid as on the date of tender opening.
8	Blacklisting for Parts A, B, C, D, E, F, G & H	The Bidder must not be under a declaration of ineligibility for corrupt, fraudulent or any other unethical business practices and shall not be debarred or blacklisted by State/ Central Government/ Public Sector Undertaking/ Statutory Boards/ Local Bodies of any State for any reason in the last 3 years from the date of the response to this Tender.	Undertaking letter for Blacklisting shall be submitted by the Bidder in the format in Appendix 4.
9	General Technical Experience	a) Service Provider should have network coverage in all the districts of Tamil Nadu	a)Undertaking letter from authorized signatory in proof of

TEC	Evaluation Criterion Type	Evaluation Criteria	Documentary Proof to be submitted
	for PART A, B, C, D E, F, G & H	b) The Bidder should have a valid Unified License and other required DoT licenses for providing respective services in Tamil Nadu.	having network coverage in all the districts of Tamil Nadu. b)Provide certificates, issued by competent department of Govt of India or any other competent authority.
10	Work Experience for Part A, E, F, G & H	The Bidder should have commissioned minimum 100 Links (under respective part) for one customer or 200 Links (under respective part) for three customers in the past 5 years	LOA/ Work order/ Agreement/Commissioning report received from end customer. Refer Section 6.13.6
11	Work Experience for Part B ,C & D	The Bidder should have commissioned minimum 50 Links (under respective part) for one customer or 100 Links (under respective part) for three customers in the past 5 years	LOA/ Work order/ Agreement/Commissioning report received from end customer. Refer Section 6.13.7
12	Work Experience For PART A, B, C, D E, F, G & H	a) The Bidder should have commissioned atleast 5 nos. of links of MPLS VPN (for Part A, B,C & E) ILL (for Part D & F) and P2P (Part G) links of bandwidth equal to or more than 100 Mbps in respective part in the past 5 years.	LOA/ Work order/ Agreement/Commissioning report received from end customer. Refer Section 6.13.8
13	Satisfactory Performance	The service provided by bidder meets or exceeds the prescribed service levels, including: (i) Mean Time to Restore (MTTR) for any link failure not exceeding 4 hours and (ii) Bandwidth Delivery equal to or greater than	Satisfactory performance certificate from End user Refer Section 6.13.9

TEC	Evaluation Criterion Type	Evaluation Criteria	Documentary Proof to be submitted
		the committed capacity at all times	
14	General Eligibility For Parts A, B, C, D E,F, G & H	<p>a) Undertaking by Service Provider on their respective letter Heads</p> <p>b) The Bidder shall be a licensed Internet Service Provider (ISP) or Unified License (UL) holder authorized by the Department of Telecommunications (DoT), Government of India, to provide internet and bandwidth services within the State of Tamil Nadu. The Service Provider must have valid and active licenses at the time of bid submission and throughout the contract period</p> <p>c) The Bidder shall have a minimum of 5 years of experience in establishing, operating, and maintaining wide area network (WAN) or broadband connectivity projects for Government departments, Public Sector Undertakings (PSUs), or large enterprises. The Bidder must demonstrate proven capability in providing managed bandwidth services, including installation, testing, and maintenance of optical and Ethernet-based network connectivity</p> <p>d) Service Provider should not have been</p>	Self- Declaration by the Service Provider on Company's letter head for Point- A.

TEC	Evaluation Criterion Type	Evaluation Criteria	Documentary Proof to be submitted
		<p>black-listed currently by Central Govt./ State Govt./ CPSU in India or anywhere globally by Government for security reasons.</p> <p>e) The Bidder shall also have adequate technical manpower, network operations infrastructure, and financial capacity to execute and support the project as per the terms and conditions of the RFP</p> <p>f) The service provider shall ensure that applicable Intellectual Property Rights must not reside in any Country that shares a Land Border with India. Moreover, service provider must ensure that they are not getting service support from 3rd party manufacturing from any Country that shares a Land Border with India.</p> <p>Note: service provider from country that shares a Land Border with India are allowed to offer their products provided OEM's is registered with DPIIT.</p>	
15	Trusted Telecom Portal registration For Parts A, B, C, D E,F, G & H	The Service Provider should be registered on Trusted Telecom Portal	Self- Declaration by the Service Provider on Company's letter head
16	Compliance to GFR For Parts A, B, C, D, E,F, G & H	Bidder shall submit self-declaration certificate for GFR compliance as land border purchases as mandated GoI	Undertaking letter for Certificate of Registration shall be submitted by the Bidder Refer Section 6.12 for template

NOTE: -

- 1) Bidders shall ensure that they have uploaded all the required proof of documents signed with seal without fail. Bids received without the supporting documents to prove their eligibility are liable for rejection. Bidder must be in a position to produce original for verification as and when demanded by TANFINET, failing which, such of those documents will not be considered.
- 2) TANFINET reserves the right to verify the Authenticity and Veracity of any documents submitted for Eligibility criteria.
- 3) In case show cause notice has been issued by TANFINET previously, for poor performance then TANFINET reserves the right to disqualify the bid submitted by such bidder.

5.5 Contract Period

- a) This document on having been signed by both the parties shall constitute a binding contract between the parties and shall remain in force for a period of 2 Years. However, upto 1 year TANFINET reserves the right to extend or short close the Tender validity period if situation warrants benefiting the Government. TANFINET may renew/extend the contract, for 25% of duration further period (6 more months) as per the Tamil Nadu government Tender Transparency Act.
- b) TANFINET shall adopt the exit management clause which may renew/extend, or terminate the contract , for a further period on mutually agreeable basis between the parties until the finalization of the new tender whichever is earlier.
- c) Work Order may be issued anytime during the contract period, however the payment shall be made as per the RFP Payment terms and conditions.
- d) SD will be kept till completion of execution of all PO/WO issued under this contract.

5.6 Liquidated Damages on Delivery

- a) The delivery period shall be considered from the date of issue of Purchase / Work Order. Delivery shall be completed within the stipulated period.
- b) Liquidated Damages (LD) will be applicable as per the below table.

If the successful bidder(s) fails to deliver

S.No	Undelivered part of Work Order Quantity	Penalty
1	≤25%	10 % of the work order value
2	≤50%	30 % of the work order value
3	≤75%	50 % of the work order value
4	>75%	100 % of the work order value

- c) If the total LD levied reaches the ceiling of 100% of the value of the work order, TANFINET may terminate the Contract with the Contractor in part or full for default and forfeit the Security Deposit and take further action if required as permitted by the Contract and Law.
- d) Termination by TANFINET on this account shall not entail any compensation to the Contractor on account of items in transit/ordered or otherwise and the Contractor shall not make any claim in this regard.

- e) TANFINET reserves the right to blacklist the Contractor from taking part in any of the TANFINET Tenders for a maximum period up to 3 years from the date of blacklisting for failure to carry out supply in time or according to the quality and quantity prescribed or any such similar reasons. This action shall be over and above the LD/Forfeit of SD/Termination of Contract.
- f) Blacklisting shall not relieve the Contractor from the liability of bearing the additional cost on account of procurement of bandwidth through other technically qualified Contractors or any other alternative sources.
- g) In exceptional cases, Contractor shall be permitted to provide standby devices which are of equivalent/higher standard/next generation on the request of the End User and in such cases LD shall be excluded for the standby period.

5.7 Payment Terms

5.7.1 Payment clause for PART-A, B, C, D, E , F, G & H

Installation Charges:

Charges towards installation will be paid on successful commissioning of connectivity and submission of Acceptance Test Report (ATR) duly signed/certified by the Customer and the service provider. Installation Charges will be released after deducting LD or Penalty if any as per tender / SLA conditions.

Acceptance Test Report should contain

1. Date of Commissioning
2. Successful ping report & Speed test report
3. For Part-A, B , C, E & H -MPLS VPN (1:1) –Speed test report. Latency test report from Customer place to Aggregation point at State Data center / Server end of the end user for MPLS VPN.

4. For Part-D & F-ILL (1:1) –Speed test report. Make & Model of the Hardware used.

Bandwidth Charges:

Payments will be made on quarterly basis only after the completion of each quarter, subject to satisfactory performance as per committed SLA. It is the responsibility of the supplier to provide reports duly signed by customer for Bandwidth usage and traffic to demonstrate that the SLA is being met. Consolidated SLA report with uptime in % for each customer against their respective link available in NMS may also be considered for SLA verification on customer approval. Bandwidth Charges will be released after deducting Penalty if any as per tender / SLA conditions. Bandwidth on demand usage detail to be shared in detail as a monthly report along with the date, duration and bandwidth usage. On the quarterly bill, bandwidth on demand usage and payment calculation along with usage details (duration and bandwidth) to be provided.

5.8 Exit Management

1. The Bidder/Service Provider may also prepare a structured and detailed exit management plan prior to submission of the Bid. Post signing of the Contract, the exit management plan shall be finalized by the Bidder/Service Provider in consultation with the Purchaser.
2. The exit management requirements as elaborated below must be read in conjunction to and in harmony with related clauses of the Contract.
3. Given the critical nature of the project, it is imperative that a well-defined exit management strategy be made ready which shall enable easy transition of activities when the Contract expires or is truncated.
4. Accordingly, the Bidder/Service Provider shall submit an exit management plan finalized with the Purchaser post signing of the Contract focusing on the key activities it shall perform to ensure that a seamless transition of knowledge and activities be possible, and the same shall be evaluated.
5. The exit management plan shall be based on the plan proposed by the Bidder/Service Provider in its technical proposal. The final exit

management plan shall have to be mutually agreed upon by Purchaser and the Bidder/Service Provider.

6. The Bidder/Service Provider shall understand that ensuring a smooth transition at the end of the project period is a key requirement from the Purchaser. The Bidder/Service Provider needs to update the exit management plan on half yearly basis or earlier or whenever required by Purchaser in case of major changes during the entire Contract period. While proposing the exit management plan, the Bidder/Service Provider shall ensure that the subsequent points are taken care of.
7. At the end of the Contract period or during the Contract period or Contract termination, if any other agency is identified or selected for providing services related to the scope of work as in the Contract, the Bidder/Service Provider shall ensure transition is made to the other agency as per the agreed exit management plan. In case Purchaser wants to take over the project itself, then Bidder/Service Provider has to ensure proper transition to the team designated by Purchaser.
8. All risks during transition stage shall be properly documented by Bidder/Service Provider and mitigation measures be planned in advance and recorded in the exit management plan so as to ensure smooth transition without any service disruption.
9. The Bidder/Service Provider shall provide all knowledge transfer of the system to the Purchaser as per the agreed exit management plan.
10. The Bidder/Service Provider shall transfer the ownership of all the deployed IT assets to the Purchaser. This includes all hardware, software, licenses, documentation, and any other materials specified in the RFP.

The exit management period starts:

- i. In case of expiry of Contract, at least 6 Months prior to the date when the Contract comes to an end, or
 - ii. In case of termination of Contract, on the date when the notice of termination is sent to the Bidder/Service Provider
11. The exit management period ends on the date agreed upon by the Purchaser or 6 Months after the beginning of the exit management period, whichever is earlier. In case of termination 6 Months exit period applies there also until Purchaser decides otherwise.



Appendix

6 Appendix

6.1 Appendix -1 : Model Form of Contract

(To be executed on a Rs. 100/- Non-Judicial Stamp Paper bought in Tamil Nadu by the Successful Bidder for the selected PART/S)

The Contract terms and conditions will be communicated to the Successful Bidder at the time of issue of LOA)

NO FIGURES IN NUMERALS OR WORDS SHALL BE FILLED UP IN THIS SAMPLE FORM AT THE TIME OF SUBMISSION OF TENDER

This CONTRACT is entered into at Chennai on theday of (Year) between Tamil Nadu FibreNet Corporation, a wholly owned Government of Tamil Nadu Undertaking, a Company registered under the Companies Act, 1956 and having its Registered office at 807,5th Floor, P.T. Lee Chengalvaraya Naicker Building, Anna Salai, Chennai-600 002 herein after referred to as "TANFINET" (which term shall mean and include its Successors and permitted assigns) on behalf of End User (herein after referred to as "End User") and..... a Company registered under the Companies Act, 1956 and having its Registered Office at hereinafter referred to as the "Successful Bidder /Contractor" (which term shall mean and include its Successors and permitted assigns).

Whereas, TANFINET on behalf of the Government of Tamil Nadu had floated a Rate Contract Tender vide Tender No. **NIT_TANFINET_027_TANFINETPoPs_SP** for the Selection of Selection Service Provider(s) for providing connectivity services on Rate Contract basis throughout Tamil Nadu.

1. Multi-Protocol Label Switching Virtual Private Network (MPLS VPN) (1:1) on Fibre
2. Internet Leased Line (ILL) (1:1) on Fibre
3. Point to Point Leased Line Connectivity

PART-A - MPLS VPN (1:1) Connectivity over CSC through Fibre: Multi-Protocol Label Switching Virtual Private Network (1:1) Connectivity over Carrier Supporting Carrier (CSC) through Fibre

PART-B - MPLS VPN (1:1) Connectivity over CSC through Fibre with bandwidth on demand :

Multi-Protocol Label Switching Virtual Private Network (1:1) Connectivity over Carrier Supporting Carrier (CSC) through Fibre with bandwidth on demand capability over and above the committed bandwidth capacity.

PART-C - MPLS VPN (1:1) Connectivity over CSC through Fibre with burstable bandwidth feature:

Multi-Protocol Label Switching Virtual Private Network (1:1) Connectivity over Carrier Supporting Carrier (CSC) through Fibre with burstable bandwidth capability over and above the committed bandwidth capacity.

PART-D: ILL (1:1) Connectivity through Fibre: Internet Leased Line (1:1) Connectivity through Fibre

PART-E - MPLS VPN (1:1) Connectivity: Multi-Protocol Label Switching Virtual Private Network (1:1) Connectivity

PART-F: ILL (1:1) Connectivity: Internet Leased Line (1:1) Connectivity

PART-G: P2P LL Connectivity: Point to Point Leased Line Connectivity

Whereas TANFINET and the Successful Bidder pursuant thereof have arrived at the following terms and conditions:

- 1) This document on having been signed by both the parties shall constitute a binding contract between the parties and shall remain in force for a period of **2 Years**. However, TANFINET reserves the right to extend or short close the Contract validity period if situation warrants benefiting the Government. TANFINET may renew/extend the contract, for a further period of 1 Year as may be agreed between the parties or until the finalization of the new tender whichever is earlier. The Validity of Bank Guarantee for Security Deposit shall be extended by the contractor accordingly at its own cost. Work Order may be issued till the end of validity period.
- 2) The Successful Bidder agrees to supply of Single/Dual Band Optical Network Terminal (ONT) the specification and scope specified in the tender document (Tender Ref. No. **NIT_TANFINET_027_TANFINETPOPS_SP**) after carrying out successfully all tests prescribed by TANFINET within the stipulated period at a unit price as detailed in Annexure – A to this Agreement to the Purchaser(s) before the specified date. The price offered is firm and is not subject to enhancement on any ground.
- 3) The following documents shall be deemed to form and be read and construed as part of the Contract.
 - a. Technical Specifications
 - b. Tender Terms and Conditions
 - c. Amendments issued by TANFINET for the Tender document
 - d. Corrigendum and Addendum issued by TANFINET for the Tender Document
 - e. Purchase / Work Order(s) issued by TANFINET from time to time
 - f. Correspondence made by TANFINET to the Contractor from time to time during the period of the Contract.

In Witness whereof the parties hereto have signed on the day,
month and year above written in the presence of

For and on behalf of for and on behalf of

The Successful Bidder

Tamil Nadu FibreNet Corporation

Witnesses:

Witnesses:

1.

1.

2.

6.2 Appendix -2 : Bank Guarantee Format

(To be executed in Rs.100/- Stamp Paper)

To

Tamil Nadu FibreNet Corporation Ltd
807, 5th floor, P.T lee Chengalvaraya Naicker
Maaligai Anna Salai Chennai – 600 002
Phone: 044-28888230

Bank Guarantee No:

Amount of Guarantee:

Guarantee covers from:

Expiry Date:

Last date for lodgement of claim/ Claim Expiry Date:

This Deed of Guarantee executed by (Banker's Name & Address) having our Head Office at(address) (hereinafter referred to as "the Bank") in favour of Tamil Nadu FibreNet Corporation Ltd, 807, 5th floor, P.T lee Chengalvaraya Naicker Maaligai, Anna Salai Chennai – 600 002(hereinafter referred to as "the Beneficiary") for an amount not exceeding Rs.____/- (Rupees _ Only) as per the request of M/s. _____ having its office address at ____ (hereinafter referred to as "Successful bidder/Contractor") against Letter of Acceptance reference _____ dated ___/___/___ of M/s. Tamil Nadu FibreNet Corporation. This guarantee is issued subject to the condition that the liability of the Bank under this guarantee is limited to a maximum Rs. _____ /- (Rupees _____ Only) and the guarantee shall remain in full force up to _____ months from the date of Bank Guarantee and cannot be invoked otherwise by a written

demand or claim by the beneficiary under the Guarantee served on the Bank before _____ months from the date of Bank Guarantee.

AND WHEREAS it has been stipulated by you in the said ORDER that the Successful bidder shall furnish you with a Bank Guarantee by a Scheduled Public Sector Bank for the sum specified therein as security for compliance with the Contractor's performance obligations for a period in accordance with the contract.

AND WHEREAS we have agreed to give the Successful bidder a Guarantee.

THEREFORE, we (Bankers address)....., hereby affirm that we are Guarantors and responsible to you on behalf of the Successful bidder up to a total of Rs._____/ - (Rupees _ Only) and we undertake to pay you, upon your first written demand declaring the Successful bidder to be in default under the contract and without any demur, cavil or argument, any sum or sums within the limit of Rs._____/ - (Rupees _____ Only) as aforesaid, without your need to prove or show grounds or reasons for your demand or the sum specified therein. We will pay the guaranteed amount notwithstanding any objection or dispute whatsoever raised by the Successful bidder.

This Guarantee is valid until ___months from the date of Bank Guarantee.

Notwithstanding, anything contained herein

Our liability under this guarantee shall not be exceed Rs./- (Rupees _____Only). This bank guarantee shall be valid up to ___months from the date of Bank Guarantee and we are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand on or before __

In witness where of the Bank, through its authorised Officer, has set its, hand and stamp on thisat _____.

Witness:

(Signature)

(Name in Block Letters)

6.3 Appendix -3 : Power of Attorney

Power of Attorney (PoA) by Authorized Signatory of Bidder authorizing a staff to sign and submit the Bid and execute the Contract (if selected as a successful bidder) on behalf of the Bidder

<To be on non-judicial stamp paper of Rupees One Hundred Only (INR 100/-)>

Know by all men by these presents, We.....
(Name of the Bidder and address of their registered office) do hereby constitute, appoint and authorize Mr. / Ms..... (name and residential address of Power of attorney holder) who is presently employed with us and holding the position of as our Attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to our Proposal for <Description of Tender> including signing and submission of bid, executing the contract (if selected as a Successful Bidder) and providing information / responses to TANFINET/ END USER, representing us in all matters before TANFINET/END USER in connection with our Proposal for the said Project.

We hereby agree to ratify all acts, deeds and things lawfully done by our said Attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid Attorney shall and shall always be deemed to have been done by us.

For _____

Name:

Designation:

Date:

Time:

Seal:

Business Address:

Accepted,

.....(Signature)

(Name, Title and Address of the Attorney)

6.4 Appendix -4 : Blacklisting

Declaration of not being banned or blacklisted by State/ Central Government/ Public Sector Undertaking/ Statutory Boards/ Local Bodies of any State.

<To be printed on the Bidder letter head>

<Location, Date>

To

Tamil Nadu FibreNet Corporation Ltd
807, 5th floor, P.T lee Chengalvaraya Naicker
Maaligai Anna Salai Chennai – 600 002
Phone: 044-28888230

Dear Sir,

Ref: Tender for <Description of Tender>.

Sub: Declaration of not being banned or blacklisted by State/ Central Government/ Public Sector Undertakings/ Statutory Boards/ Local Bodies of any State.

I, authorized representative of _____, hereby solemnly confirm that we are not under a declaration of in-eligibility for corrupt, fraudulent or any other unethical business practices and not debarred or blacklisted by State/ Central Government/ Public Sector Undertakings/ Statutory Boards/ Local Bodies of any State for any reason in the last 3 years from the date of the response to this Tender.

In the event of any deviation from the factual information/ declaration, TANFINET reserves the right to reject the proposal or TANFINET/END USER reserves the right to terminate the Contract without any compensation.

Yours faithfully,

Signature of the Authorized Signatory:

Name and Designation of the Authorized Signatory:

Company Seal:

Place:

Date:

Business Address:

Note: If the bidding firm has been blacklisted by State/ Central Government/ Public Sector Undertakings/ Statutory Boards/ Local Bodies of any State earlier, then the details shall be provided.

6.5 Appendix -5 : Declaration of No Conflict of Interest

<To be printed on the Bidder letter head>

<Location, Date>

To,

Tamil Nadu FibreNet Corporation Ltd
807, 5th floor, P.T lee Chengalvaraya Naicker
Maaligai Anna Salai Chennai – 600 002
Phone: 044-28888230

Dear Sir,

Ref: Tender for <Description of Tender>.

Sub: Undertaking of No Conflict of Interest

I/We as Bidder do hereby undertake that there is absence of, actual or potential conflict of interest on our part, due to prior, current, or proposed Contracts, engagements, or affiliations with other Organizations of the State Government.

I undertake and agree to indemnify and hold TANFINET/END USER harmless against all potential elements (time frame for service delivery, resource, financial or other), claims, losses, damages, costs, expenses, proceeding fees of legal advisors (on a reimbursement basis) and fees of other professionals incurred (in the case of legal fees & fees of professionals, reasonably) by TANFINET and/or its representatives, if any such conflict arises later.

Yours faithfully,

Signature of the Authorized Signatory:
Name and Designation of the Authorized Signatory:
Company Seal:
Place:
Date:
Business Address:

6.6 Appendix -6 : Undertaking to establish local office in Chennai

<To be printed on the Bidder letter head>

<Location, Date>

To,
Tamil Nadu FibreNet Corporation Ltd
807, 5th floor, P.T lee Chengalvaraya Naicker
Maaligai Anna Salai Chennai – 600 002
Phone: 044-28888230

Dear Sir,

Ref: Tender for <Description of Tender>

Sub: Undertaking for setting up the local office in Chennai, Tamil Nadu

I, authorized representative of _____, hereby confirm that the Company has no local office in Chennai, Tamil Nadu. I hereby confirm that, if selected as successful bidder, we will be opening an office in Chennai, Tamil Nadu within 30 days of issuance of Letter of Acceptance (LOA).

I/ We _____ understand that if this information / declaration is found to be false or incorrect, TANFINET/END USER reserves the right to reject the proposal or terminate the Contract with us immediately without any compensation.

Yours faithfully,

Signature of the Authorized Signatory:

Name and Designation of the Authorized Signatory:

Company Seal:

Place:

Date:

Business Address:

6.7 Appendix -7 : Letter of Undertaking

<To be printed on the Bidder letter head>

To
Tamil Nadu FibreNet Corporation Ltd
807, 5th floor, P.T lee Chengalvaraya Naicker
Maaligai Anna Salai Chennai – 600 002
Phone: 044-28888230

Sir,

Sub: Undertaking for participating in TANFINET's Tender - Reg.

Ref: Tender for <Description of Tender>.

I/We ----- have gone through the Terms and Conditions, Scope of Work and Specification and will abide by them as laid down (Tender Documents, Technical bid and Price Bid)

I/We ----- hereby confirm that our Company was not blacklisted by any State Government/ Central Government/ Public Sector Undertakings during the last three years. We also hereby confirm that our EMD/SD was not forfeited by any State Government / Central Government / Public Sector Undertakings during the last three years due to our non-performance, non-compliance with the tender conditions etc.

I/We ----- hereby declare that all the particulars furnished by us in this Tender are true to the best of my/our knowledge and we understand and accept that if at any stage, the information furnished is found to be incorrect or false, we are liable for disqualification from this tender and also are liable for any penal action that may arise due to the above.

I/We ----- ensure that the Year of Manufacturing for the products supplied vide this tender are 2025 or later.

I/We ----- certify that no refurbished components are used in the manufacturing and supply of tendered items. The licences for the operating systems and other software to be installed under this contract are certified as genuine and valid.

I/We _____ certify that we are liable and responsible for any disputes arising out of Intellectual Property Rights.

In case of violation of any of the conditions above, I/We understand that I/ We are liable to be blacklisted by TANFINET and our bid shall liable to be summerly Rejected.

Yours faithfully
for _____
Name, Signature
Designation
Seal

6.8 Appendix -8 : Price Bid Cover Letter

(in the Bidder's Letter Head to be given in the Price Bid)

Date:

Location:

To,
Tamil Nadu FibreNet Corporation Ltd

807, 5th floor, P.T lee Chengalvaraya Naicker
Maaligai Anna Salai Chennai – 600 002
Phone: 044-28888230

Dear Sir,

Ref: Tender No. NIT_TANFINET_027_TANFINETPoPs_SP.

1. We, the undersigned, offer to provide all the services as specified in the Tender without any conditions.
2. Our Price Bid shall be binding upon us subject to the modifications resulting from Contract negotiations.
3. Our Price Bid quoted covers all taxes, charges and other incidentals without any condition.

We undertake that we will strictly observe the laws against fraud and corruption in force in India.

Yours faithfully,

Signature of the Authorized Signatory:

Name and Designation of the Authorized Signatory:

Company Seal:

Place:

Date:

Business Address:

6.9 Appendix -9 : Technical Bid Checklist

A1.1 Checklist for Enclosures	
Documents to be submitted	Fill (YES or NO)
Filled Tender Technical Bid Form and Price Bid Form	
Payment of Portal Charges and EMD amount	
Two Part Bid submission	
Letter of Undertaking for participating in TANFINET's Procurement Tender	
Hardware Compliance Sheet (A 1.4)	
Bidder Technical Compliance Sheet (A 1.5)	
OEM Technical Compliance Sheet (A 1.5) as Annexure to MAF	
Technical Bid Evaluation Criteria	
1	Certificate of Incorporation of bidder
2	GST registration to be submitted by the Bidder
3	PAN Card to be submitted by the Bidder
4	Letter of Authorization/Power of attorney for the authorised person to sign the bid documents
5	Power of attorney for the authorised person
6	Copy of Completion Certificate and Copy of Purchase / Work Order for Past Experience
7	Sales Turn Over: Copies of the Audited Annual Reports containing the Balance sheets, Profit and Loss account for the last 3 Audited Financial years. (2021-22, 2022-23, 2023-24) shall have to be submitted.
	2021- 22
	2022- 23
	2023- 24
8	Presence in Chennai: Proof for the availability of office in Chennai.
9	Accreditations: Copies of ISO 9001:2015 or latest and ISO 14001:2015 or latest for OEM (for each of the quoted product in A2.7) and Copy of ISO 9001:2015 for bidder

10	Blacklisting: Self-certified letter in the letter head of the bidding entity signed by the Authorized Signatory of the Bidder	
11	General Technical Experience- Self- Declaration by the OEMs on Company's letter head	
12	Letter from Bidder mentioning Parts in which bidder has quoted	
13	General Eligibility- Self- Declaration by the OEMs on Company's letter head	
14	Trusted Telecom Portal registration- Self-Declaration by the OEMs on Company's letter head	
15	Compliance to GFR- Self declaration certificate by the OEMs on Company's letter head	
16	Declaration that bidder is not submitted any other bid for this tender either in the capacity of OEM / vendor- Self declaration certificate by the OEMs on Company's letter head	

A1.2 Details in support of Eligibility Criteria

Sl. No.	Description	File Name of the Attached Document Proof and Page No
1	Certificate of Incorporation of bidder	
2	GST registration to be submitted by the Bidder	
3	PAN Card to be submitted by the Bidder	
4	Letter Of Authorization/Power of attorney for the authorised person to sign the bid documents	
5	Power of attorney for the authorised person to sign MAF for each of the quoted product in A2.7	
6	Copy of Completion Certificate and Copy of Purchase / Work Order for Past Experience in relevance to the Eligibility Criteria	
7	Sales Turn Over: Copies of the Audited Annual Reports containing the Balance sheets, Profit and Loss account for the last 3 Audited Financial years (2020-22, 2021- 23& 2022-24) shall have to be submitted.	
	2020 – 22	
	2021 – 23	
	2022– 24	

Sl. No.	Description	File Name of the Attached Document Proof and Page No
8	Presence in Chennai: Proof for the availability of office in Chennai.	
9	Accreditations: Copies of ISO 9001:2015 or latest and ISO 14001:2015 or latest for OEM (for each of the quoted product in A2.1) and copy of ISO 9001:2015 for bidder	
10	Blacklisting: Self-certified letter in the letter head of the bidding entity signed by the Authorized Signatory of the Bidder	
11	General Technical Experience- Self- Declaration by the OEMs on Company's letter head	
12	Letter from Bidder mentioning Parts in which bidder has quoted	
13	General Eligibility- Self- Declaration by the OEMs on Company's letter head	
14	Trusted Telecom Portal registration- Self- Declaration by the OEMs on Company's letter head	
15	Compliance to GFR- Self declaration certificate by the OEMs on Company's letter head	

Sl. No.	Description	File Name of the Attached Document Proof and Page No
16	Declaration that bidder is not submitted any other bid for this tender either in the capacity of OEM / vendor- Self declaration certificate by the Bidder on Company's letter head	

S. No	PART	Whether Bid Submitted (Yes/No)	BoQs in the Price Bid to be quoted (If yes, the bidder has to quote the concerned/relevant BoQs as given below)
1	PART-A: MPLS VPN (1:1): Multi-Protocol Label Switching Virtual Private Network (1:1) Connectivity over CSC through Fibre		
2	PART-B: MPLS VPN (1:1): Multi-Protocol Label Switching Virtual Private Network (1:1) Connectivity over CSC through Fibre with bandwidth on demand		
3	PART-C: MPLS VPN (1:1): Multi-Protocol Label Switching Virtual Private Network (1:1)		

S. No	PART	Whether Bid Submitted (Yes/No)	BoQs in the Price Bid to be quoted (If yes, the bidder has to quote the concerned/relevant BoQs as given below)
	Connectivity over CSC through Fibre with burst bandwidth		
4	PART-D: ILL (1:1): Internet Leased Line (1:1) Connectivity through Fibre along with DDOS protection		
5	PART-E: MPLS VPN (1:1): Multi-Protocol Label Switching Virtual Private Network (1:1) Connectivity		
6	PART-F: ILL (1:1): Internet Leased Line (1:1) Connectivity		
7	PART-G: P2P LL : Point to Point Leased Line Connectivity		
8	PART-H: MPLS VPN (1:1): Multi-Protocol Label Switching Virtual Private Network (1:1) Connectivity through 4G / 5G		

6.10 Appendix -10.1 : Price Bid

6.10.1 Price Bid –PART-A: MPLS VPN (1:1) Connectivity over CSC through Fibre

S. No	Item Code	Description	Qty (in No)	Installation Charges per link (Rs.)	Basic Annual Bandwidth Charges per Link (Rs.)	Basic Price (Rs.) (4*(5+6))	GST in (%) for Col no.5&6	GST Value for Col No. no.5&6(Rs.)	Total Price (Rs.) (7+9)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	NIT-027-A-001	50 Mbps MPLS VPN - (1:1) on Fibre	10						
2	NIT-027-A-002	100 Mbps MPLS VPN - (1:1) on Fibre	25						
3	NIT-027-A-003	500 Mbps MPLS VPN - (1:1) on Fibre	10						
4	NIT-027-A-0042	1 Gbps MPLS VPN - (1:1) on Fibre	4						

Between 100 Mbps to 500 Mbps and 500 Mbps to 1Gbps, incremental rates to be provided for every 100 Mbps.

Note:

- a) The Bidder shall submit the offer by filling up all the columns against each item. Partial quote is not allowed.
- b) Though the rates are for annum, the billing will be appropriate only for the consumption (active) period only.
- c) Nos. mentioned in Qty are to be treated as weightages. They are included for evaluation purpose only. Actual Quantity would differ based on TANFINET requirement.

6.10.2 Price Bid –PART-B: MPLS VPN (1:1) Connectivity over CSC through Fibre with bandwidth on demand feature

S. No	Item Code	Description	Qty (in No)	Installation Charges per link (Rs.)	Basic Annual Bandwidth Charges per Link (Rs.)	Basic Price (Rs.) (4*(5+6))	GST in (%) for Col no.5&6	GST Value for Col No. no.5&6(Rs.)	Total Price (Rs.) (7+9)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	NIT-027-B-001	500 Mbps MPLS VPN - (1:1) on Fibre	10						
2	NIT-027-B-002	800 Mbps MPLS VPN - (1:1) on Fibre	25						
3	NIT-027-B-003	1 Gbps MPLS VPN - (1:1) on Fibre	40						
4	NIT-027-B-004	10 Gbps MPLS VPN - (1:1) on Fibre	12						

- **Between 1 Gbps to 10 Gbps, Incremental rates to be provided for every 500 Mbps**

- The Bidder shall offer the services to a minimum of 70% of the locations listed in annexure.

Note:

- a) The Bidder shall submit the offer by filling up all the columns against each item. Partial quote is not allowed.
- b) Though the rates are for annum, the billing will be appropriate only for the consumption (active) period only.
- c) Nos. mentioned in Qty are to be treated as weightages. They are included for evaluation purpose only. Actual Quantity would differ based on TANFINET requirement.

6.10.3 Price Bid –PART-C: MPLS VPN (1:1) Connectivity over CSC through Fibre with burst bandwidth feature

S. No	Item Code	Description	Qty (in No)	Installation Charges per link (Rs.)	Basic Annual Bandwidth Charges per Link (Rs.)	Basic Price (Rs.) (4*(5+6))	GST in (%) for Col no.5&6	GST Value for Col No. no.5&6(Rs.)	Total Price (Rs.) (7+9)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	NIT-027-C-001	500 Mbps MPLS VPN - (1:1) on Fibre	10						
2	NIT-027-C-002	800 Mbps MPLS VPN - (1:1) on Fibre	25						
3	NIT-027-C-003	1 Gbps MPLS VPN - (1:1) on Fibre	40						

S. No	Item Code	Description	Qty (in No)	Installation Charges per link (Rs.)	Basic Annual Bandwidth Charges per Link (Rs.)	Basic Price (Rs.) (4*(5+6))	GST in (%) for Col no.5&6	GST Value for Col No. no.5&6(Rs.)	Total Price (Rs.) (7+9)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4	NIT-027-C-004	10 Gbps MPLS VPN - (1:1) on Fibre	12						

- **Between 1 Gbps to 10 Gbps, Incremental rates to be provided for every 500 Mbps**
- **The Bidder shall offer the services to a minimum of 70% of the locations listed in annexure.**

Note:

- d) The Bidder shall submit the offer by filling up all the columns against each item. Partial quote is not allowed.**
- e) Though the rates are for annum, the billing will be appropriate only for the consumption (active) period only.**
- f) Nos. mentioned in Qty are to be treated as weightages. They are included for evaluation purpose only. Actual Quantity would differ based on TANFINET requirement.**

6.10.4 Price Bid –PART-D: ILL (1:1) Connectivity through Fibre along with DDOS Protection

S. No	Item Code	Description	Qty (in No)	Installation Charges per Link (Rs.)	Basic Annual Bandwidth Charges per Link (Rs.)	Total Basic Price (Rs.) (4*(5+6))	GST in (%) for Col no.5&6	GST Value for Col No.5&6 (Rs.)	Total Price (Rs.) (7+9)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	NIT-027-D-001	5 Gbps - Internet Leased Line (1:1) on Fibre	10						
2	NIT-027-D-002	10 Gbps - Internet Leased Line (1:1) on Fibre	10						
3	NIT-027-D-003	100 Gbps - Internet Leased Line (1:1) on Fibre	5						
4	NIT-027-D-004	IP Public IPv4	500						

Between 10 Gbps to 100 Gbps, Incremental rates to be provided for every 5 Gbps

Note:

- a) The Bidder shall submit the offer by filling up all the columns against each item. Partial quote is not allowed.
- b) Though the rates are for annum, the billing will be appropriate only for the consumption (active) period only.

c) Nos. mentioned in Qty are to be treated as weightages. They are included for evaluation purpose only. Actual Quantity would differ based on the TANFINET requirement.

6.10.5 Price Bid –PART-E: MPLS VPN (1:1) Connectivity

Tender Ref: NIT_TANFINET_027_TANFINETPoPs_SP

S. No	Item Code	Description	Qty (in No)	Installation Charges per link (Rs.)	Basic Annual Bandwidth Charges per Link (Rs.)	Basic Price (Rs.) (4*(5+6))	GST in (%) for Col no.5&6	GST Value for Col No. no.5&6(Rs.)	Total Price (Rs.) (7+9)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	NIT-027-E-001	2 Mbps MPLS VPN - (1:1) on RF	50						
2	NIT-027-E-002	2 Mbps MPLS VPN - (1:1) on Fibre	50						
3	NIT-027-E-003	4 Mbps MPLS VPN - (1:1) on RF	50						
4	NIT-027-E-004	4 Mbps MPLS VPN - (1:1) on Fibre	50						
5	NIT-027-E-005	8 Mbps MPLS VPN - (1:1) on RF	200						
6	NIT-027-E-006	8 Mbps MPLS VPN - (1:1) on Fibre	200						
7	NIT-027-E-007	16 Mbps MPLS VPN - (1:1) on RF	200						
8	NIT-027-E-008	16 Mbps MPLS VPN - (1:1) on Fibre	200						

S. No	Item Code	Description	Qty (in No)	Installation Charges per link (Rs.)	Basic Annual Bandwidth Charges per Link (Rs.)	Basic Price (Rs.) (4*(5+6))	GST in (%) for Col no.5&6	GST Value for Col No. no.5&6(Rs.)	Total Price (Rs.) (7+9)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
9	NIT-027-E-009	32 Mbps MPLS VPN - (1:1) on Fibre	200						
10	NIT-027-E-010	64 Mbps MPLS VPN - (1:1) on Fibre	150						
11	NIT-027-E-011	100 Mbps MPLS VPN - (1:1) on Fibre	100						
12	NIT-027-E-012	200 Mbps MPLS VPN - (1:1) on Fibre	50						
13	NIT-027-E-013	300 Mbps MPLS VPN - (1:1) on Fibre	50						
14	NIT-027-E-014	500 Mbps MPLS VPN - (1:1) on Fibre	50						
15	NIT-027-E-015	700 Mbps MPLS VPN - (1:1) on Fibre	50						
16	NIT-027-E-016	1 Gbps MPLS VPN - (1:1) on Fibre	50						

Note:

- a) The Bidder shall submit the offer by filling up all the columns against each item. Partial quote is not allowed.
- b) Though the rates are for annum, the billing will be appropriate only for the consumption (active) period only.

c) Nos. mentioned in Qty are to be treated as weightages. They are included for evaluation purpose only. Actual Quantity would differ based on TANFINET requirement.

6.10.6 Price Bid –PART-F: ILL (1:1) Connectivity

S. No	Item Code	Description	Qty (in No)	Installation Charges per Link (Rs.)	Basic Annual Bandwidth Charges per Link (Rs.)	Total Basic Price (Rs.) (4*(5+6))	GST in (%) for Col no.5&6	GST Value for Col No.5&6 (Rs.)	Total Price (Rs.) (7+9)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	NIT-027-F-001	2 Mbps - Internet Leased Line (1:1) on RF	50						
2	NIT-027-F-002	2 Mbps - Internet Leased Line (1:1) on Fibre	50						
3	NIT-027-F-003	4 Mbps - Internet Leased Line (1:1) on RF	50						
4	NIT-027-F-004	4 Mbps - Internet Leased Line (1:1) on Fibre	50						
5	NIT-027-F-005	8 Mbps - Internet Leased Line (1:1) on RF	200						

S. No	Item Code	Description	Qty (in No)	Installation Charges per Link (Rs.)	Basic Annual Bandwidth Charges per Link (Rs.)	Total Basic Price (Rs.) (4*(5+6))	GST in (%) for Col no.5&6	GST Value for Col No.5&6 (Rs.)	Total Price (Rs.) (7+9)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
6	NIT-027-F-006	8 Mbps - Internet Leased Line (1:1) on Fibre	200						
7	NIT-027-F-007	16 Mbps - Internet Leased Line (1:1) on RF	200						
8	NIT-027-F-008	16 Mbps - Internet Leased Line (1:1) on Fibre	200						
9	NIT-027-F-009	32 Mbps - Internet Leased Line (1:1) on Fibre	200						
10	NIT-027-F-010	64 Mbps - Internet Leased Line (1:1) on Fibre	150						
11	NIT-027-F-011	100 Mbps - Internet Leased Line (1:1) on Fibre	100						
12	NIT-027-F-012	200 Mbps- Internet Leased Line (1:1) on Fibre	50						

S. No	Item Code	Description	Qty (in No)	Installation Charges per Link (Rs.)	Basic Annual Bandwidth Charges per Link (Rs.)	Total Basic Price (Rs.) (4*(5+6))	GST in (%) for Col no.5&6	GST Value for Col No.5&6 (Rs.)	Total Price (Rs.) (7+9)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
13	NIT-027-F-013	500 Mbps- Internet Leased Line (1:1) on Fibre	50						
14	NIT-027-F-014	700 Mbps- Internet Leased Line (1:1) on Fibre	50						
15	NIT-027-F-015	1 Gbps- Internet Leased Line (1:1) on Fibre	50						
16	NIT-027-F-016	10 Gbps- Internet Leased Line (1:1) on Fibre	25						
17	NIT-027-F-017	IP Public IPv4/IPv6(8 Nos)	500						

6.10.7 Price Bid –PART-G: P2P LL Connectivity

Price Bid – for PART- G: All District - P2P-LL Connectivity with different bandwidth throughout Tamil Nadu. (2 Mbps to 10 Gbps with Distance from 5 Km to 501 Km) to Government Departments on Rate Contract Basis:

S. No	Distance in (Km)	NIT-027-G-001 2 Mbps Basic Annual Bandwidth Charges Basic Rate(Rs.)	NIT-027-G-002 4 Mbps Basic Annual Bandwidth Charges Basic Rate (Rs.)	NIT-027-G-003LU 8 Mbps Basic Annual Bandwidth Charges Basic Rate (Rs.)	NIT-027-G-004 10 Mbps Basic Annual Bandwidth Charges Basic Rate (Rs.)	NIT-027-G-005 16 Mbps Basic Annual Bandwidth Charges Basic Rate (Rs.)	NIT-027-G-006 20 Mbps Basic Annual Bandwidth Charges Basic Rate (Rs.)	NIT-027-G-007 34 Mbps Basic Annual Bandwidth Charges Basic Rate (Rs.)	NIT-027-G-008 45 Mbps Basic Annual Bandwidth Charges Basic Rate (Rs.)	NIT-027-G-009 100 Mbps Basic Annual Bandwidth Charges Basic Rate (Rs.)	NIT-027-G-010 200 Mbps Basic Annual Bandwidth Charges Basic Rate (Rs.)	NIT-027-G-011 500 Mbps Basic Annual Bandwidth Charges Basic Rate (Rs.)	NIT-027-G-012 1 Gbps Basic Annual Bandwidth Charges Basic Rate (Rs.)	NIT-027-G-013 10 Gbps Basic Annual Bandwidth Charges Basic Rate (Rs.)	Total(A*)
1	5														
2	10														
3	20														
4	30														
5	40														
	50														
7	60														
8	70														
9	80														
10	90														
11	100														

S. No.	Distance in (Km)	NIT-027-G-001 2 Mbps Basic Annual Bandwidth Charges Basic Rate(Rs.)	NIT-027-G-002 4 Mbps Basic Annual Bandwidth Charges Basic Rate (Rs.)	NIT-027-G-003LU 8 Mbps Basic Annual Bandwidth Charges Basic Rate (Rs.)	NIT-027-G-004 10 Mbps Basic Annual Bandwidth Charges Basic Rate (Rs.)	NIT-027-G-005 16 Mbps Basic Annual Bandwidth Charges Basic Rate (Rs.)	NIT-027-G-006 20 Mbps Basic Annual Bandwidth Charges Basic Rate (Rs.)	NIT-027-G-007 34 Mbps Basic Annual Bandwidth Charges Basic Rate (Rs.)	NIT-027-G-008 45 Mbps Basic Annual Bandwidth Charges Basic Rate (Rs.)	NIT-027-G-009 100 Mbps Basic Annual Bandwidth Charges Basic Rate (Rs.)	NIT-027-G-010 200 Mbps Basic Annual Bandwidth Charges Basic Rate (Rs.)	NIT-027-G-011 500 Mbps Basic Annual Bandwidth Charges Basic Rate (Rs.)	NIT-027-G-012 1 Gbps Basic Annual Bandwidth Charges Basic Rate (Rs.)	NIT-027-G-013 10 Gbps Basic Annual Bandwidth Charges Basic Rate (Rs.)	Total(A*)
12	150														
13	200														
14	250														
15	300														
16	350														
17	400														
18	450														
19	500														
20	>500														
Grand Total															

Note: The calculation of tariff for intermediate distance lying in between the distance slabs will be made on pro rata basis. For this, difference in tariff of the lower and upper distance slab rates will be taken and divided by the difference in kms to arrive at per km rate. The distance will be rounded off to the next km.

S.No	Item	Total of Basic Annual Bandwidth charges (Sum of all Bandwidth charges calculated on km wise) A*	Additional Discount % Offered by the bidder for the district on Annual bandwidth charges Enter Discount %	Discounted Total of Basic Annual Bandwidth charges	Enter GST %	GST Amount	Total Amount With GST
1	Ariyalur						
2	Chengalpet						
3	Chennai						
4	Coimbatore						
5	Cuddalore						
6	Dharmapuri						
7	Dindigul						
8	Erode						
9	Kallakurichi						
10	Kancheepuram						
11	Karur						
12	Krishnagiri						
13	Madurai						
14	Mayiladuthurai						
15	Nagapattinam						
16	Kanyakumari						
17	Namakkal						
18	Perambalur						
19	Pudukottai						
20	Ramanathapuram						
21	Ranipet						
22	Salem						
23	Sivagangai						
24	Tenkasi						
25	Thanjavur						
26	Theni						
27	Thiruvallur						
28	Thiruvarur						

29	Tuticorin						
30	Tiruchirappalli						
31	Thirunelveli						
32	Tirupathur						
33	Tiruppur						
34	Tiruvannamalai						
35	The Nilgiris						
36	Vellore						
37	Viluppuram						
38	Virudhunagar						
39	Intra District Connectivity						

Additional Item One Time Installation Charges for PART- G: P2P-LL Connectivity with different bandwidth throughout Tamil Nadu. (2 Mbps to 10 Gbps with Distance from 5 Km to 501 Km) to Government Departments on Rate Contract Basis:

S. No	Description	Qty (in No)	Unit Price (Rs.)	Total Basic Price (Rs.) (3*4)	GST in (%) for Col no.5
(1)	(2)	(3)	(4)	(5)	(6)
1	Installation and Commissioning Charges for P2P-LL Connectivity with different bandwidth throughout Tamil Nadu per location from 2 Mbps to 10 Gbps with Distance from 5 Km to 501 Km.	1			
2.	Shifting Charges for P2P-LL Connectivity with different bandwidth throughout Tamil Nadu per location from 2 Mbps to 10 Gbps with Distance from 5 Km to 501 Km.	1			

6.10.8 Price Bid –PART-H: MPLS VPN (1:1) Connectivity 4G / 5G

S. No	Item Code	Description	Qty (in No)	Installation Charges per Link (Rs.)	Basic Annual Bandwidth Charges per Link (Rs.)	Total Basic Price (Rs.) (4*(5+6))	GST in (%) for Col no.5&6	GST Value for Col No.5&6 (Rs.)	Total Price (Rs.) (7+9)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	NIT-027-H-001	1 Mbps MPLS VPN - (1:1) on 4G / 5G	100						
2	NIT-027-H-002	2 Mbps - MPLS VPN - (1:1) on 4G / 5G	100						

“The Bidder has to compulsorily fill the items called in the sheet(Fiber1 to Fiber4) in the BOQ.If not quoted the bid is liable for rejection.

Note:

- a) The Bidder shall submit the offer by filling up all the columns against each item. Partial quote is not allowed.
- b) Though the rates are for annum, the billing will be appropriate only for the consumption (active) period only.

c) Nos. mentioned in Qty are to be treated as weightages. They are included for evaluation purpose only. Actual Quantity would differ based on the TANFINET requirement.

6.11 Appendix – 11: Technical Specification Compliance

6.11.1 Appendix – 11.1: PART-A -MPLS VPN (1:1) connectivity over CSC through Fibre

Item Code	Item Description	Compliance (Yes/No)	Remarks
NIT-027-A-001	50 Mbps MPLS VPN - (1:1) on Fibre		
NIT-027-A-002	100 Mbps MPLS VPN - (1:1) on Fibre		
NIT-027-A-003	500 Mbps MPLS VPN - (1:1) on Fibre		
NIT-027-A-004	1 Gbps MPLS VPN - (1:1) on Fibre		

6.11.2 PART-B -MPLS VPN (1:1) connectivity over CSC through Fibre with bandwidth on demand feature

Item Code	Item Description	Compliance (Yes/No)	Remarks
NIT-027-B-001	500 Mbps MPLS VPN - (1:1) on Fibre		
NIT-027-B-002	800 Mbps MPLS VPN - (1:1) on Fibre		
NIT-027-B-003	1 Gbps MPLS VPN - (1:1) on Fibre		
NIT-027-B-004	10 Gbps MPLS VPN - (1:1) on Fibre		

6.11.3 PART-C -MPLS VPN (1:1) connectivity over CSC through Fibre with burst bandwidth feature

Item Code	Item Description	Compliance (Yes/No)	Remarks
NIT-027-C-001	500 Mbps MPLS VPN - (1:1) on Fibre		
NIT-027-C-002	800 Mbps MPLS VPN - (1:1) on Fibre		
NIT-027-C-003	1 Gbps MPLS VPN - (1:1) on Fibre		
NIT-027-C-004	10 Gbps MPLS VPN - (1:1) on Fibre		

6.11.4 PART-D - Internet Leased Line (1:1) Connectivity through Fibre along with DDoS Protection Requirement

Item Code	Item Description	Compliance (Yes/No)	Remarks
NIT-027-D-001	5 Gbps - Internet Leased Line (1:1) on Fibre		
NIT-027-D-002	10 Gbps - Internet Leased Line (1:1) on Fibre		
NIT-027-D-003	100 Gbps - Internet Leased Line (1:1) on Fibre		
NIT-027-D-004	IP Public IPv4/IPv6 (500 Nos)		

6.11.5 PART-E -MPLS VPN (1:1) Connectivity

Item Code	Item Description	Compliance (Yes/No)	Remarks
NIT-027-E-001	2 Mbps MPLS VPN - (1:1) on RF		
NIT-027-E-002	2 Mbps MPLS VPN - (1:1) on Fibre		
NIT-027-E-003	4 Mbps MPLS VPN - (1:1) on RF		
NIT-027-E-004	4 Mbps MPLS VPN - (1:1) on Fibre		
NIT-027-E-005	8 Mbps MPLS VPN - (1:1) on RF		
NIT-027-E-006	8 Mbps MPLS VPN - (1:1) on Fibre		
NIT-027-E-007	16 Mbps MPLS VPN - (1:1) on RF		
NIT-027-E-008	16 Mbps MPLS VPN - (1:1) on Fibre		

Item Code	Item Description	Compliance (Yes/No)	Remarks
NIT-027-E-009	32 Mbps MPLS VPN - (1:1) on Fibre		
NIT-027-E-010	64 Mbps MPLS VPN - (1:1) on Fibre		
NIT-027-E-011	100 Mbps MPLS VPN - (1:1) on Fibre		
NIT-027-E-012	200 Mbps MPLS VPN - (1:1) on Fibre		
NIT-027-E-013	300 Mbps MPLS VPN - (1:1) on Fibre		
NIT-027-E-014	500 Mbps MPLS VPN - (1:1) on Fibre		
NIT-027-E-015	700 Mbps MPLS VPN - (1:1) on Fibre		
NIT-027-E-016	1 Gbps MPLS VPN - (1:1) on Fibre		

6.11.6 PART-F - Internet Leased Line (1:1) Connectivity

Item Code	Item Description	Compliance (Yes/No)	Remarks
NIT-027-F-001	2 Mbps - Internet Leased Line (1:1) on RF		
NIT-027-F-002	2 Mbps - Internet Leased Line (1:1) on Fibre		
NIT-027-F-003	4 Mbps - Internet Leased Line (1:1) on RF		
NIT-027-F-004	4 Mbps - Internet Leased Line (1:1) on Fibre		

Item Code	Item Description	Compliance (Yes/No)	Remarks
NIT-027-F-005	8 Mbps - Internet Leased Line (1:1) on RF		
NIT-027-F-006	8 Mbps - Internet Leased Line (1:1) on RF		
NIT-027-F-007	16 Mbps - Internet Leased Line (1:1) on RF		
NIT-027-F-008	16 Mbps - Internet Leased Line (1:1) on Fibre		
NIT-027-F-009	32 Mbps - Internet Leased Line (1:1) on Fibre		
NIT-027-F-010	64 Mbps - Internet Leased Line (1:1) on Fibre		
NIT-027-F-011	100 Mbps - Internet Leased Line (1:1) on Fibre		
NIT-027-F-012	200 Mbps- Internet Leased Line (1:1) on Fibre		
NIT-027-F-013	500 Mbps- Internet Leased Line (1:1) on Fibre		
NIT-027-F-014	700 Mbps- Internet Leased Line (1:1) on Fibre		
NIT-027-F-015	1 Gbps- Internet Leased Line (1:1) on Fibre		
NIT-027-F-016	10 Gbps- Internet Leased Line (1:1) on Fibre		
NIT-027-F-017	IP Public IPv4/IPv6(8 Nos)		

6.11.7 PART-G – Point to Point Leased Line Connectivity

Item Code	Item Description	Compliance (Yes/No)	Remarks
NIT-027-G-001	2 Mbps - Distance from 5 Km to 501 Km		
NIT-027-G-002	4 Mbps - Distance from 5 Km to 501 Km		
NIT-027-G-003	8 Mbps - Distance from 5 Km to 501 Km		
NIT-027-G-004	10 Mbps - Distance from 5 Km to 501 Km		
NIT-027-G-005	16 Mbps - Distance from 5 Km to 501 Km		
NIT-027-G-006	20 Mbps - Distance from 5 Km to 501 Km		
NIT-027-G-007	34 Mbps - Distance from 5 Km to 501 Km		
NIT-027-G-008	45 Mbps - Distance from 5 Km to 501 Km		
NIT-027-G-009	100 Mbps - Distance from 5 Km to 501 Km		
NIT-027-G-010	200 Mbps - Distance from 5 Km to 501 Km		
NIT-027-G-011	500 Mbps - Distance from 5 Km to 501 Km		
NIT-027-G-012	1 Gbps - Distance from 5 Km to 501 Km		
NIT-027-G-013	10 Gbps - Distance from 5 Km to 501 Km		

6.11.8 PART-H -MPLS VPN (1:1) Connectivity 4G / 5G

Item Code	Item Description	Compliance (Yes/No)	Remarks
NIT-027-H-001	1 Mbps MPLS VPN - (1:1) on 4G / 5G		
NIT-027-H-002	2 Mbps MPLS VPN - (1:1) on 4G / 5G		

6.11.9 Appendix – 11.2 Declaration of Technical Specification Deviations & Justification

Date: DD/MM/2025

To,

The General Manager (Projects 2),
TANFINET Corporation
No.807,5th Floor, P.T. Lee Chengalvaraya Naicker Maaligai,
Anna Salai, Chennai-600002

Sir,

Ref. : Tender Number Dated

Sub. : Declaration of Technical Specification Deviations & Justification

There are no technical deviations (null deviations) from the requirement specifications of tendered items and schedule of requirements. The entire work shall be performed as per your specifications and documents. OR *(Strike out whatever is not applicable)* Following is the exhaustive list of technical deviations and variations from the requirement specifications of tendered items and schedule of requirements. Except for these deviations

and variations, the entire work shall be performed as per your specifications and documents.

#	Section No.	Clause No.	Page No.	Statement of deviations and variations	Justification for the deviation
1.					
2.					
3.					

Authorized Signatory

Name :

Designation:

6.11.10 Appendix – 11.3 Manufacturer Authorization Form (MAF)

Date: DD/MM/2025

To,

The General Manager (Projects 2),
TANFINET Corporation
No.807,5th Floor, P.T. Lee Chengalvaraya Naicker Maaligai,
Anna Salai, Chennai-600002

Sir,

Ref. : Tender Number Dated

Sub. : Manufacturer Authorization to the bidder - reg

Sir,

We _____, (*name and address of the manufacturer*)
who are established and reputed manufacturers of _____
having factories at _____ (*addresses of manufacturing /
development locations*) do hereby authorize M/s
_____ (*name and address of the bidder*) to bid,

negotiate and conclude the contract with you against the above mentioned tender for the above equipment manufactured by us.

We hereby authorize the <bidder's name> to resell the above-mentioned equipment along firmware and SDK files and we would also declare that proposed product is not end-of-life or nearing end-of-life within next 3 years and we also assure that we shall extend warranty support for this product for next 5 years from the date of commissioning by TAFINET or its Authorized representatives.

Yours faithfully,

For and on behalf of M/s _____ (*Name of the manufacturer*)

Signature

Name

Designation

Address

Date

Directorate Seal

Note:

This letter of authority should be on the letterhead of the manufacturer concerned and should be signed by a person competent and having the power of attorney to bind the manufacturer and not by any dealer / retailer of the said product. In case of misinterpretation or deviation of the above compliances then bid is subject to be rejected.

6.12 Undertaking for Certificate of Registration as per GFR Rule

Place and Date:

To

The General Manager (Projects 2)
Tamil Nadu FibreNet Corporation Limited (TANFINET)
No. 807, 5th Floor, P.T. Lee Chengalvaraya Naicker Maaligai
Anna Salai, Chennai – 600002

Sub: Self-Declaration / Undertaking by OEM – Compliance with GFR

Ref. : Tender Reference No.: NIT_TANFINET_027_TANFINETPOPS_SP

Dear Sir,

I/We, < Bidder > have read the clause regarding restrictions on procurement from a Bidder which shares a land border with India. I/We hereby certify that I /We, <Bidder > is not from any such country or, if from such a Country, has been registered with Competent Authority.

I/We hereby certify that I/We in the event of becoming a successful bidder shall not subcontract works to any Contractor from a Country which shares a land border with India unless such Contractor is registered with the Competent Authority, as defined vide Annexure 5 of the tender document. I/We hereby certify that I/We fulfil all requirements in this regard and eligible to be considered

For <Bidder>

Signature of the Authorized Signatory

Name and Designation:

Place:

Date:

Company stamp:

NOTE:

- Letter shall be submitted on the Letter head of the BIDDER and shall be signed by the Authorised Signatory.
- Any deviation would lead to summary rejection of bids.
- Wherever Applicable, valid Registration certificate obtained from the Competent Authority shall be attached.

6.13 Appendix – 11: Technical Bid

6.13.1 Appendix 11.1: Technical Bid Compliance Matrix

TE C	Evaluation Criterion Type	Evaluation Criteria	Documentary Proof to be submitted	Compliance (Yes/No)	Reference in the proposal
1	Legal Entity (Bidder) For Parts A, B, C, D, E, F G & H	The Bidder shall be a Company registered in India under the Companies Act 1956 / Partnership Firm / Sole Proprietorship Firm and existing for the past 3 years as on 31.03.2025	Certificate of Incorporation for Registered Companies/ Partnership Deed for Partnership Firms / GST or Service Tax Registration Certificate for Sole Proprietorship Firms.		
2	GST and PAN (Bidder) For Parts A, B, C, D, E, F, G & H	Bidder must be registered with Tax authorities of Government of India	1.Copy of PAN card 2.Copy of GST registration		
3	Power of Attorney (Bidder) For Parts A, B, C, D, E, F, G & H	Power of attorney / Letter of Authorization for the authorized person to sign the bid documents	Power of attorney/ Letter of Authorization for signing the bid documents		
4	Past experience	Bidder should have 3 years of existence in the field of IT / Telecom / Installation and commissioning of Network Relevant proof of Purchase / Work Orders/ work completion certificate	Bidder should have 3 years of existence in the field of IT / Telecom / Installation and commissioning of Network Relevant proof of Purchase / Work Orders/ work completion certificate shall be submitted.		

TEC	Evaluation Criterion Type	Evaluation Criteria	Documentary Proof to be submitted	Compliance (Yes/No)	Reference in the proposal
5	Sales Turnover For Part A, B, C, D, E, F, G & H	Bidder should have an average Annual Turnover of Rs. 200 Crores or above in the last three successive Audited Financial years. (2021-22, 2022-23, 2023-24).	Copies of the Audited Annual Reports containing the Balance sheets, Profit and Loss account for the last 3 Audited Financial years (2021-22, 2022-23, 2023-24) shall be submitted.		
6	Presence in Chennai For Parts A, B, C, D, E, F, G & H	The Bidder shall have office in Chennai.	Proof for the availability of office in Chennai. Copy of the Sale deed/Rental/ Lease Agreement/ latest Landline Telephone bills /any valid legal document issued by the GoI or Govt. of Tamil Nadu signed by Authorized Signatory of the Bidder dated before 31/03/2025 shall be submitted.		
7.	Accreditations for Parts A, B, C, D, E, F, G & H	Bidder should have valid ISO 9001:2015 certification or latest and ISO 27001 or equivalent.	Should produce copies of ISO certificate valid as on the date of tender opening.		
8	Blacklisting for Parts A, B, C, D, E, F, G & H	The Bidder must not be under a declaration of in-eligibility for	Undertaking letter for Blacklisting shall be submitted by		

TE C	Evaluation Criterion Type	Evaluation Criteria	Documentary Proof to be submitted	Compliance (Yes/No)	Reference in the proposal
		corrupt, fraudulent or any other unethical business practices and shall not be debarred or blacklisted by State/ Central Government/ Public Sector Undertaking/ Statutory Boards/ Local Bodies of any State for any reason in the last 3 years from the date of the response to this Tender.	the Bidder in the format in Appendix 4.		
9	General Technical Experience for PART A, B, C, D, E, F, G & H	b) Service Provider should have network coverage in all the districts of Tamil Nadu b) The Bidder should have a valid Unified License and other required DoT licenses for providing respective services in Tamil Nadu.	a)Undertaking letter from authorized signatory in proof of having network coverage in all the districts of Tamil Nadu. b)Provide certificates, issued by competent department of Govt of India or any other competent authority.		
10	Work Experience	The Bidder should have commissioned	LOA/ Work order/ Agreement/Commissioning report		

TE C	Evaluation Criterion Type	Evaluation Criteria	Documentary Proof to be submitted	Compliance (Yes/No)	Reference in the proposal
	for Part A, F, G	minimum 100 Links (under respective part) for one customer or 200 Links (under respective part) for three customers in the past 5 years	received from end customer. Refer Section 6.13.6		
11	Work Experience for Part B,C & D	The Bidder should have commissioned minimum 50 Links (under respective part) for one customer or 100 Links (under respective part) for three customers in the past 5 years	LOA/ Work order/ Agreement/Commissioning report received from end customer. Refer Section 6.13.7		
12	Work Experience For PART A, B, C, D E , F, G & H	a) The Bidder should have commissioned at least 5 nos. of links of MPLS VPN (for Part A, B & D) ILL (for Part C & E) and P2P links of bandwidth equal to or more than 100 Mbps in respective part in the past 5 years.	LOA/ Work order/ Agreement/Commissioning report received from end customer. Refer Section 6.13.8		
13	Satisfactory Performance	The service provided by bidder meets or exceeds the	Satisfactory performance certificate from End user		

TE C	Evaluation Criterion Type	Evaluation Criteria	Documentary Proof to be submitted	Compliance (Yes/No)	Reference in the proposal
		<p>prescribed service levels, including: (i) Mean Time to Restore (MTTR) for any link failure not exceeding 4 hours and (ii) Bandwidth Delivery equal to or greater than the committed capacity at all times</p>	Refer Section 6.13.9		
14	<p>General Eligibility For Parts A, B, C, E, F, G & H</p>	<p>g) Undertaking by Service Provider on their respective letter Heads h) The Bidder shall be a licensed Internet Service Provider (ISP) or Unified License (UL) holder authorized by the Department of Telecommunications (DoT), Government of India, to provide internet and bandwidth services within the State of Tamil Nadu. The Service Provider must have valid and active licenses at the</p>	Self- Declaration by the Service Provider on Company's letter head for Point- A.		

TE C	Evaluation Criterion Type	Evaluation Criteria	Documentary Proof to be submitted	Compliance (Yes/No)	Reference in the proposal
		<p>time of bid submission and throughout the contract period</p> <p>i) The Bidder shall have a minimum of 5 years of experience in establishing, operating, and maintaining wide area network (WAN) or broadband connectivity projects for Government departments, Public Sector Undertakings (PSUs), or large enterprises. The Bidder must demonstrate proven capability in providing managed bandwidth services, including installation, testing, and maintenance of optical and Ethernet-based network connectivity</p> <p>j) Service Provider should not have been black-listed currently by</p>			

TE C	Evaluation Criterion Type	Evaluation Criteria	Documentary Proof to be submitted	Compliance (Yes/No)	Reference in the proposal
		<p>Central Govt./ State Govt./ CPSU in India or anywhere globally by Government for security reasons.</p> <p>k) The Bidder shall also have adequate technical manpower, network operations infrastructure, and financial capacity to execute and support the project as per the terms and conditions of the RFP</p> <p>l) The service provider shall ensure that applicable Intellectual Property Rights must not reside in any Country that shares a Land Border with India. Moreover, service provider must ensure that they are not getting service support from 3rd party manufacturing from any</p>			

TE C	Evaluation Criterion Type	Evaluation Criteria	Documentary Proof to be submitted	Compliance (Yes/No)	Reference in the proposal
		Country that shares a Land Border with India. Note: service provider from country that shares a Land Border with India are allowed to offer their products provided OEM's is registered with DPIIT.			
15	Trusted Telecom Portal registration For Parts A, B, C, D, E, F, G & H	The Service Provider should be registered on Trusted Telecom Portal	Self- Declaration by the Service Provider on Company's letter head		
16	Compliance to GFR For Parts A, B, C, D, E, F, G & H	Bidder shall submit self-declaration certificate for GFR compliance as land border purchases as mandated GoI	Undertaking letter for Certificate of Registration shall be submitted by the Bidder Refer Section 6.12 for template		
17	Declaration that bidder is not submitted any other bid for this tender either in the capacity of OEM / vendor For Parts A, B, C, D, E, F, G & H	Bidder shall submit self-declaration certificate that bidder has not submitted any other bid for this tender	Refer Section 6.14.10 for template		

6.13.2 TEC Legal Entity (Bidder) A, B, C, D, E, F, G & H # 1

Profile of the Bidder		
1.	Name of the Company	
2.	Year of incorporation	
3.	Nature of the Company (Registered Company or Partnership or Proprietary)	
4.	Registered office (In India) or the office covering the Business transaction in India	
	Telegraphic Address	
	Office Telephone Number	
	Fax Number	
	Contact Person	
	Name	
	Personal Telephone Number	
	Email Address	
5.	Local presence at Tamil Nadu	
	Telegraphic Address	
	Office Telephone Number	
	Fax Number	
	Contact Person	
	Name	
	Personal Telephone Number	
	Email Address	
6.	Registration Details	
	Permanent Account Number	
	GST Registration Number	
7.	Banker's Name, Address and Account Number	

6.13.3 TEC Past experience # 4

S. No.	Description	Criteria	Details	Compliance (Yes / No)	Page No. reference in the proposal	Page No. reference in the respective work order / Client Certificate
1	Name of the project					
2	Name of the client					
3	Work Order Date	Dated on or before 31st March 2021				
4	Date of Completion / Implementation	Within the last 3 years as on 31st March 2025				
5	Value of the project	More than INR 10 Crores				
6	Project Location	India				
7	Compliance to the scope	Scope of services*				
c	<i>Supply, Installation and commissioning of IT / Telecom devices</i>	Conditional scope				

*Note:

- The scope of services should be clearly highlighted in the work order / client certificate along with the corresponding reference page numbers.
- Conditional scope means the scope required for meeting the eligibility criteria through compliance to the required number of scope options

6.13.4 TEC Sales Turnover for Part A, B, C, D, E, F, G & H# 5

S. No.	Year	Annual Turnover from Supply, Installation and commissioning of IT/Telecom	Page No. reference to the supporting document
1	2023-24		
2	2022-23		
3	2021-22		

Note:

The turnover from IT System Integration Business should be clearly established by the supporting documents viz. Statutory Auditor certificate OR Audited Financial Statements

6.13.5 TEC General Technical Experience for PART A, B, C, D, E , F, G & H #9

(On the Letterhead of the Bidder)

Date:

To

The Managing Director,
Tamil Nadu FibreNet Corporation Limited (TANFINET),
Information Technology & Digital Services Department,
Government of Tamil Nadu,
Chennai – 600 035.

Subject:

Self-Declaration / Undertaking regarding Network Coverage in all Districts of Tamil Nadu

Sir / Madam,

We, **[Name of the concern]**, having our registered office at **[Address]**, hereby submit this declaration in response to the RFP titled "*Selection of Service Provider(s) for Providing Connectivity (MPLS VPN / ILL/P2P) Services to TANFINET PoPs on Rate Contract Basis*".

We hereby **confirm and undertake** the following:

1. That we have established and maintain **operational network coverage across all districts of Tamil Nadu**, with adequate Points of Presence (PoPs), core/edge routers, and optical fibre infrastructure to provide MPLS VPN, Internet Leased Line (ILL) and Point to Point Leased Line services as per the requirements of TANFINET.
2. That our network is capable of supporting the required bandwidth capacities, redundancy, and service-level performance as specified in the RFP.
3. That all our network elements, backbone infrastructure, and PoPs within the State are duly authorized and compliant with applicable DoT / TRAI regulations.
4. That the information provided in this regard, including the **Network Coverage Map / Topology Diagram**, accurately represents our operational network status within Tamil Nadu.
5. That we shall maintain such coverage and service availability throughout the tenure of the Rate Contract and any extensions thereof.

We further undertake that the above information is true and correct to the best of our knowledge and belief. In the event of any deviation or false declaration, TANFINET shall be entitled to take appropriate action as per tender terms and applicable laws.

Authorized Signatory

(Signature with Seal)

Name:
Designation:
Mobile No.:
Email ID:
Place:
Date:

6.13.6 TEC Work Experience for Part A, D E, F, G & H #10

S. No.	Name of Customer / Organization	Project Title	Type of Service (MPLS VPN / ILL)	No. of Links Commissioned	Band width Capacity Range	Project Duration (From-To)	Document Reference (LOA/WO/ Report)	Contact Details of End Customer
1								
2								
3								

Note:

- All documents submitted must be issued by the **end customer** and shall be subject to verification by TANFINET.
- In the case of consortium participation (if permitted), the **experience of the consortium member** shall be considered only in accordance with tender provisions.
- Failure to submit verifiable proof shall lead to rejection of the work experience claim.

6.13.7 TEC Work Experience for Part B , C & D#11

S. No.	Name of Customer / Organization	Project Title	Type of Service (MPLS VPN / ILL)	No. of Links Commissioned	Bandwidth Capacity Range	Project Duration (From-To)	Document Reference (LOA/WO/ Report)	Contact Details of End Customer
1								
2								
3								

Note:

- The Bidder shall ensure that the documentary evidence submitted is verifiable and issued by the end customer.
- TANFINET reserves the right to verify the authenticity of any document or project reference submitted.
- Work experience of group companies or consortium members may be considered only if explicitly permitted in the tender.

6.13.8 TEC Work Experience for PART A, B, C, D, E , F, G & H#12

S. No.	Name of Customer / Organization	Project Title	Type of Service (MPLS VPN / ILL)	No. of Links Commissioned	Band width Capacity (≥ 100 Mbps)	Project Duration (From-To)	Document Reference (LOA/WO/ Report)	Contact Details of End Customer
1								
2								
3								

Note:

- The submitted documents must be verifiable and issued by the **end customer**.
- TANFINET reserves the right to verify the authenticity of any document or customer reference provided.
- Only projects meeting the specified **minimum bandwidth criteria (≥ 100 Mbps)** shall be considered towards eligibility.
- Experience of consortium members may be considered only if expressly permitted under the tender terms.

6.13.9 TEC Satisfactory Performance #13

S . N o.	Name of Customer / Organization	Project Title / Reference	Type of Service (MPLS VPN / ILL)	No. of Links Commissioned	Band width Capacity	Period of Operation	Document Reference (Certificate/Report/Self-Cert.)	Remarks
1								
2								
3								

Note:

- TANFINET reserves the right to verify the authenticity of the Satisfactory Performance Certificates and to contact the issuing authorities for validation.
- Projects not supported by valid performance documentation may not be considered towards eligibility.
- Only projects with satisfactory operational performance will be evaluated for technical qualification.

6.13.10 TEC General Eligibility For Parts A, B, C, D, E , F, G & H #14

SELF-DECLARATION LETTER

(To be submitted on Bidder's official letterhead)

Date: _____

To

The Managing Director,
Tamil Nadu FibreNet Corporation Limited (TANFINET),
Information Technology & Digital Services Department,
Government of Tamil Nadu,
Chennai – 600 009.

Subject: Self-Declaration for Eligibility and Compliance

Sir / Madam,

We, the undersigned, having examined the Tender Document and its terms and conditions, hereby declare and confirm the following on behalf of our company/organization:

1. Legal Status:

We are a duly registered entity under the Companies Act, 1956/2013, and hold a valid license/authorization from the Department of Telecommunications (DoT), Government of India, to provide Internet / MPLS / ILL / P2P LL Bandwidth services within the State of Tamil Nadu.

2. Compliance with Laws:

We shall comply with all applicable rules, regulations, and directions issued by the Department of Telecommunications (DoT), Telecom Regulatory Authority of India (TRAI), and any other statutory authority during the execution of this project.

3. Trusted Telecom Portal Registration:

We confirm that we are registered on the Trusted Telecom Portal and shall ensure that only trusted products and sources are used for network deployment in accordance with the National Security Directive on Telecommunication Sector (NSDTS).

4. Blacklisting / Debarment:

We hereby declare that our company/organization and its directors

have not been blacklisted, debarred, or declared ineligible by any Government department, Public Sector Undertaking (PSU), or any other agency for breach of contract, corrupt or fraudulent practices, or non-performance, as on the date of submission of this bid.

5. Financial and Technical Capability:

We confirm that we meet the financial turnover, technical experience, and infrastructure capability criteria prescribed in the tender.

6. Authenticity of Information:

We declare that all information, documents, and certificates submitted in support of our bid are true, complete, and correct to the best of our knowledge and belief. We understand that any false or misleading information shall render our bid liable for rejection and may lead to termination of contract or blacklisting.

7. Data Confidentiality and IPR:

We undertake to maintain confidentiality of all TANFINET data and documents accessed during the course of the project and acknowledge that all deliverables and outputs generated for TANFINET shall remain its exclusive property.

8. Acceptance:

We have read and understood the terms and conditions of the tender and agree to abide by them throughout the validity and execution period of the contract.

Authorized Signatory:

(Signature with Seal)

Name: _____

Designation: _____

Company Name: _____

Registered Address: _____

Email ID: _____

Contact Number: _____

6.13.11 TEC Trusted Telecom Portal registration #15

SELF-DECLARATION BY BIDDER – TRUSTED TELECOM PORTAL REGISTRATION

(To be submitted on Bidders's official letterhead)

To

The General Manager (Projects 2)
Tamil Nadu FibreNet Corporation Limited (TANFINET)
No. 807, 5th Floor, P.T. Lee Chengalvaraya Naicker Maaligai
Anna Salai, Chennai – 600002

Sub: Self-Declaration on Registration under the Trusted Telecom Portal –
Compliance Confirmation

Tender Reference No.: NIT_TANFINET_027_TANFINETPOPS_SP

Sir/Madam,

We, **M/s** _____,

having our registered office at

_____, hereby

declare that:

1. We are the **Original Equipment Manufacturer (OEM)** for the equipment proposed under this tender.
2. We are **registered on the "Trusted Telecom Portal"** maintained by the **Designated Authority under the Department of Telecommunications (DoT), Government of India**, in accordance with the provisions of the **National Security Directive on Telecom Sector (NSDTS)**.
3. Our registration details are as follows:

Trusted Telecom Portal Registration No.	Date of Registration	Validity Period
--	---------------------------------	----------------------------

4. We undertake to maintain valid registration status on the **Trusted Telecom Portal** for the entire duration of the contract and to immediately notify TANFINET in case of any change, suspension, or withdrawal of registration.
5. We further confirm that all components, sub-assemblies, and software proposed in this tender conform to the **Trusted Products** guidelines of the DoT.
6. We undertake to strictly comply with all requirements and directions issued by the DoT / NCSC / TANFINET relating to the use of Trusted Products and network security throughout the tenure of the contract.

We hereby certify that the above information is true and correct to the best of our knowledge and belief.

Authorised Signatory: _____

Name: _____

Designation: _____

Date: _____

Place: _____

Seal of OEM: _____

6.13.12 TEC General Eligibility #16

SELF-DECLARATION BY Bidder or any of its affiliate agencies are only one valid bid is being submitted for this tender

(To be submitted on Bidders's official letterhead)

To

The General Manager (Projects 2)
Tamil Nadu FibreNet Corporation Limited (TANFINET)
No. 807, 5th Floor, P.T. Lee Chengalvaraya Naicker Maaligai
Anna Salai, Chennai – 600002

Sub: SELF-DECLARATION BY Bidder only one valid is submitted for this tender either in the capacity of OEM / vendor

Ref. : Tender Reference No.: NIT_TANFINET_027_TANFINETPOPS_SP

Dear Sir,

We, **M/s** _____,
having our registered office at _____, hereby

declare that:

1. We or our affiliated agencies where the directors of our company are submitting only one bid for this tender and we are not aware any duplicate submission too far of our knowledge
2. We are also aware that if there are any duplicate bids received from our firm or affiliate firm holding a reasonable stake, both the bids may be subject to rejection

We hereby certify that the above information is true and correct to the best of our knowledge and belief.

Authorised Signatory: _____

Name: _____

Designation: _____

Date: _____

Place: _____

Seal of OEM: _____