Invites Bids

for

Selection of OEM / Consortium of System Integrator (SI) & OEM's to Supply and Comprehensive Maintenance - Single & Dual Band Optical Network Terminals (ONTs) across the State of Tamil Nadu during the Contract Period

Tender Reference: NIT_TANFINET_026_ONT_Proc

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:07.10.2026

Tamil Nadu FibreNet Corporation (TANFINET)

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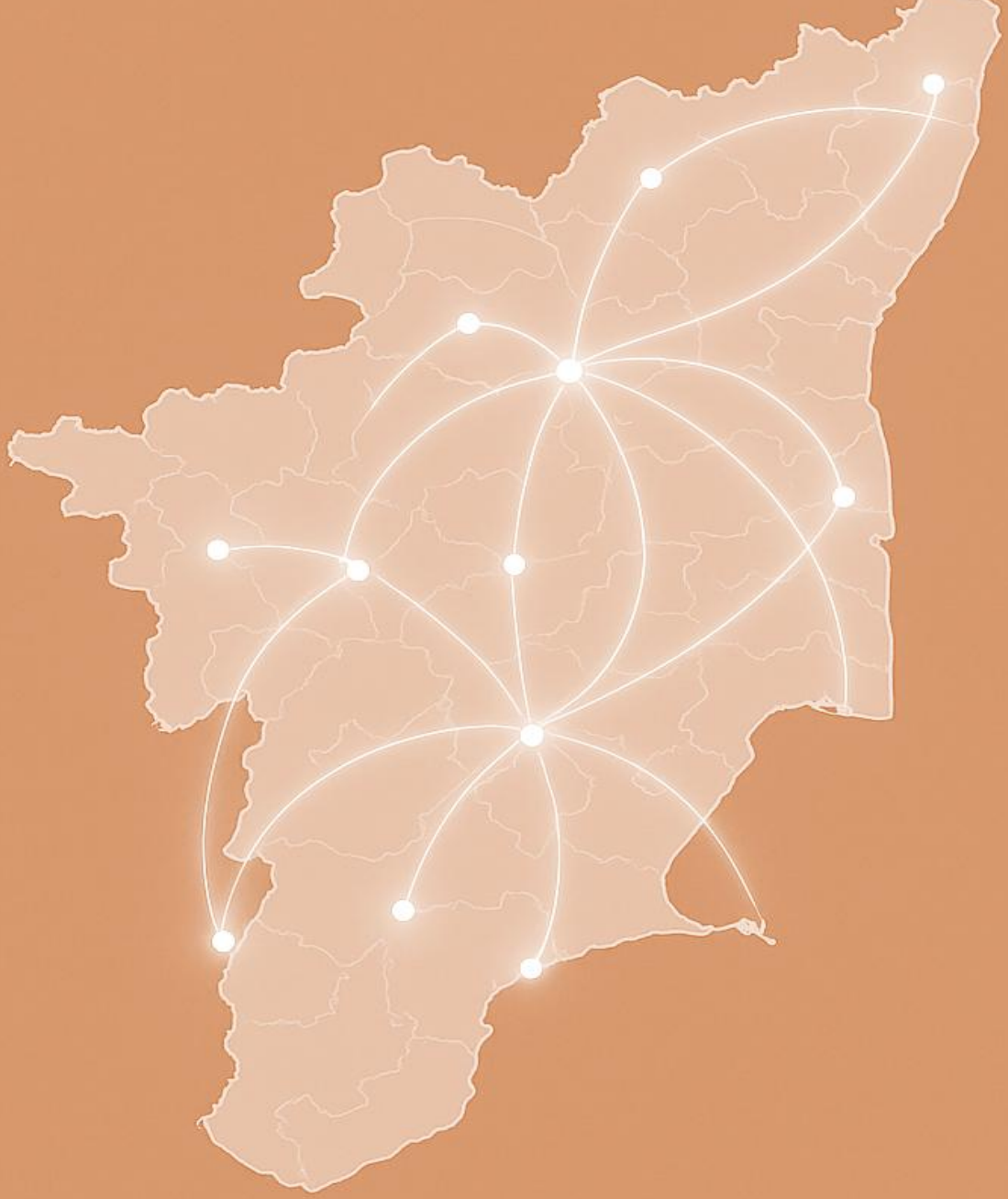

Important Notice

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.

All selected bidders under various tenders issued by TANFINET need to abide the above-mentioned State and Central prevailing Acts, Policy & guidelines.

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
SI	System Integrator
SD	Security Deposit
SLA	Service Level Agreement
SNR	Site Not Ready
SPOC	Single Point of Contact
ONT	Optical Network Terminals

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 Purchaser towards the purchase of tendered item and also charges to be incurred by the Purchaser 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. Bidder means the Sole Bidder or Lead Bidder and members of the Consortium.
g. **Consortium**: The consortium shall consist of a single System Integrator and participating OEMs bound by a Consortium Agreement, with the shared objective of satisfying the Purchaser's requirements.
h. **L1 Bidder:** L1 Bidder is one who quotes the lowest rate for a Technically and Financially acceptable bid and declared as such by TANFINET
i. **Successful Bidder:** Successful Bidder means the Bidder who becomes Successful through the Tender process and declared as such by TANFINET
j. **Contractor:** Contractor means the Successful Bidder who signed the Contract Agreement
k. **Purchaser:** Purchaser means TANFINET and its Authorised representatives for whom the procurement is indicated through the tender.

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64%
35%
39%

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. TANFINET- NIT_TANFINET_026_ONT_Proc

TANFINET invites tender for "Selection of OEM / Consortium of System Integrator (SI) & OEM's to, Supply and Comprehensive Maintenance - Single & Dual Band Optical Network Terminals (ONTs) across the State of Tamil Nadu during the Contract". For complete details, please visit tanfinet.tn.gov.in or www.tntenders.gov.in. Pre-bid meeting: date 14.10.2026, time: 11:30AM. Last date for submission of e-bids: 11.11.2026, 12:00 PM. 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.

In this context, TANFINET invites **Bids for RFP for Selection of OEM / Consortium of System Integrator (SI) & OEM's to Supply and Comprehensively Maintain - Single & Dual Band Optical Network Terminals (ONTs) throughout the Contract Period.**
The Bid submission will be in "Two Cover System" for the Supply of Single & Dual Band Optical Network Terminals (ONTs) through transparent bidding process. The Tender notification has been published fixing the date of opening of tender as mentioned in the Tender Schedule.

Applicability of Telecom Regulatory Authority of India (TRAI) Guidelines/ TRAI Broadband Policy/ DoT Guidelines.

3 Tender Schedule

1.	Tender Inviting Authority, Designation and Address	The Managing Director, TANFINET Corporation Limited, No.807, 5th Floor, P.T. Lee Chengalvaraya Naicker Maaligai, Anna Salai, Chennai-600002.
2.	Tender Accepting Authority	TANFINET Corporation Limited Board.
3.	A) Name of the Work	Selection of OEM / Consortium of System Integrator (SI) & OEM's to Supply and Comprehensive Maintenance - Single & Dual Band Optical Network Terminals (ONTs) across the State of Tamil Nadu during the Contract Period
	B) Tender reference	NIT_TANFINET_026_ONT_Proc
	C) Installation/Place of work	Across Tamil Nadu
4.	Tender documents available place	Tender documents can be freely downloaded from https://tntenders.gov.in from 07.10.2026.
5.	Earnest Money Deposit (EMD)	The EMD Amount of **Rs. 30,00,000/- (Rupees Thirty Lakhs Only)** for those who are bidding should be submitted as Bank Guarantee /paid electronically through e-tender portal.
7.	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
8.	Bid signing	Bidder shall possess valid Class 3 - Signing and Encryption Digital Signature Certificates for signing the Bids
9.	Help manuals for e-Tender	Bidder may download the help documents and user manuals from https://tntenders.gov.in
10.	Date and Place of e-Portal Training and Pre-Bid Meeting	**14.10.2026@ 11.30 PM** the address mentioned in S.No (1) above.
11.	Due Date and Time of submission of Tender	**11.11.2026 @ 12.00 PM** at the URL mentioned in S. No(7) above.
12	Date, Time and Place of opening of the Technical Bids	**11.11.2026 @ 05.00 PM** at the address mentioned in S. No (1) above.

13.	Date, Time and Place of opening of the Price Bids	Shall be intimated only to the Technically Qualified Bidders.
14.	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 be fully and completely responsible to

TANFINET and its Authorised representatives for all the deliveries and deliverables.

k) 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.

l) 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.

m) In case Bidder conceals any fact that materially affects the tender, the bid will be summarily rejected

n) 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) Queries submitted 48 hours prior to the scheduled Pre-bid meeting will be discussed during pre-bid meeting.

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.

d) 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.

4.3 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 notarized, 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 180 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 Consortium

a) The Bidder / System Integrator must mandatorily enter into a Consortium Agreement with the OEMs of the ONTs proposed to be supplied under this tender. A draft Consortium Agreement is attached in RFP. The executed agreement on stamp paper must be submitted along with the Technical Bid. Furthermore, for the purpose of this tender, the Lead Bidder / Sole Bidder must be clearly designated, and an official authorization letter signed by all consortium partners, must also be submitted.

b) Special Conditions for the Consortium Bidders:

i. One of the Consortium partners shall be nominated as being Lead Bidder and this authorization shall be evidenced by submitting of Power of Attorney signed by the legally authorized signatories of all the partners.

ii. The consortium bid submitted without valid consortium agreement/ MoU shall be treated as non-responsive.

iii. The bidder (each member of the Consortium) shall have Company Registration certificate, registration under Labour Laws & Contract Act, valid GST registration Certificate, PAN issued by Income Tax Department, MoA & AoA (Copy of the same shall be provided).

iv. The award of contract shall be signed with the Lead Bidder only and the Lead Bidder shall be single Point of Contact for this Project. PBG shall be submitted by the Lead Bidder.

v. The payments for the said project shall be released only in the name of Lead Bidder.

vi. Lead Bidder along with the consortium members shall be jointly & severally responsible for any failure liable to the TANFINET

for the execution of the project in accordance with the terms & conditions of the bid document and a statement of this effect shall be included in the MoU/ Consortium Agreement.

vii. All the consortium partners should be jointly and severally liable for completion of the project including AMC phase. An undertaking to this effect in a non-judicial stamp paper of appropriate value signed by all consortium members should be submitted along with the bid.

viii. The Lead Bidder shall be authorized by the Consortium partners to act on their behalf to incur liabilities and receive instructions for and on behalf of him and all partners of the consortium. During the execution of the contract, payment shall be made exclusively in favour of the Lead Bidder.

ix. The consortium agreement should indicate precisely the role of the members of the consortium in respect of the contract.

x. Each OEM member of the consortium shall supply a minimum of 20% of the total Work Order quantity awarded to the respective consortium.

4.12 Change in composition of the Consortium

a) In case of Consortium, change in composition of the Consortium shall not be permitted.

4.13 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.

4.14 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.**

4.15 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 any password protected documents while uploading incase if the password documents are uploaded the same may not be considered for evaluation process.

4.16 Price Bid Form

a) The Bidder shall submit a Price Bid cover letter in PDF in the format prescribed in the appendix 8 of this RFP.

b) The Bidders are instructed to submit the Financial 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) 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 contract period. The Bidder should particularly take note of this factor before submitting the Bids.

h) 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.

i) Exchange Rate fluctuations (Foreign Currency Rate Exchange) cannot be cited as reasons for the delay or dishonour of Work/Purchase order.

4.17 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.

4.18 Earnest Money Deposit (EMD)

a) The Tender should be accompanied by an Earnest Money Deposit (EMD) to the value of Rs.30,00,000 (Rupees Thirty Lakhs only) in the form of an Irrevocable Bank Guarantee with a validity period of 6 months from any Indian Nationalized Bank / Scheduled Commercial Bank or Online as per the procedure of the e-Tender Portal (https://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) In the case of EMD amount paid in advance by the Bidder, but due to some reasons the Bids could not be uploaded, EMD amount paid earlier shall be refunded by applying through a letter of request to TANFINET with necessary proof.
e) 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.

f) 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.

g) 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.

h) 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.

i) In the case of a consortium bid, the Lead Bidder or sole bidder shall furnish the EMD, as stipulated in the tender, on behalf of the Bidding Consortium.

4.19 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.

4.20 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.

4.21 Tender Bid Opening and Evaluation Process

4.21.1 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.

4.21.2 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
- if the bid is consortium bid consortium agreement of OEM and SI has to submit.

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

4.21.3 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) Any bidder failing to provide product demonstration on stipulated date and time shall be disqualified without any further notice.

e) 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.

f) 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 / Purchase 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

g) 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.

h) The Bidders whose Bids meet the Eligibility Criteria and Technical specifications of the products will be called as Technically Qualified Bidders.

4.21.4 Proof of Concept and Solution Demonstration & Evaluation

Bidder has to provide 5 quantities of the same proposed ONT product for

evaluation. The bidder has to demonstrate the Solution as prescribed by TANFINET in TANFINET Network. Based on the outcome of the evaluation, the product will be accepted and deemed technically qualified product by TANFINET. Only bidders with the Technically Qualified Product would be considered for further bid evaluations. If during POC the product doesn't satisfy the Evaluation Committee designated by Tender Inviting Authority, such bids may be rejected and not considered for further evaluation. However, Tender Inviting Authority may at their discretion may seek clarification and justifiable solutions mitigating the challenge during POC and thereby successfully demonstrating the POC then such bid may be considered for further consideration.

4.21.5 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.

4.21.6 Price Bid Evaluation

a) The Price Bid evaluation will be done Part-wise. Bidder(s) has to quote for all the line items in each Part. **Partial Bid inside the Part will be rejected.**

b) In case, Bidders who are not participating in any of the PART, the same to be informed by the Bidder, in a letter duly signed by the Authorised signatory.

c) 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.

d) 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.

e) No modification of any documents or any quotes shall be allowed at any stage.

f) 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.

g) 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.

h) Evaluation of L1 bidder shall be part wise. If the item-wise 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. The L1 rates accepted by the L1 bidder shall be considered final & binding.

i) Techno-functional Negotiations shall be conducted with L1 Bidder seeking potential enhancements w.r.t minimum prescribed scope in this tender, reduction in unit Price, comprehensive warranty and advancement of delivery schedule.

j) The L1 bidder will be responsible for supplying 60% of the total procurement of ONTs (Optical Network Terminals) in each Line Items of the Parts quoted.

- The other bidders will be invited to match the L1 rates, Line Item wise, including AMC rates as per accepted L1 Bidder's - Price Bid Form P3. If they agree to match: As per the Section 30.(4) of Tamil Nadu Tender Transparency Act, they will be allocated for the balance quantity to supply.

k) 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.

l) TANFINET reserves the right to reject any or all of the Tenders received without assigning a reason.

m) The decision of TANFINET is final.

4.21.7 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.

4.21.8 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.

4.21.9 Right to Vary Product Supply Quantity

a) The final quantity ordered shall ordinarily be varied to the extent of twenty-five percent either way of the quantities indicated in the Tender documents for respective bidder(s) 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 executing the agreement after

submission of SD indicates the commencement of the Contract.

4.22 Payment of Security Deposit (SD)

a) The Successful Bidder shall be required to remit a Security Deposit (SD) 5% 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 15 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 contract period 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.

4.23 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 15 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) Purchase/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 / Purchase Order(s) issued by TANFINET from time to time
6) If the bid is consortium bid consortium agreement of OEM and SI has to be submitted.
7) Correspondence made by TANFINET to the Contractor from

time to time during the period of the Contract.

h) TANFINET/Authorised representative 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 s hall 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/Authorised representatives and TANFINET/ Authorised representatives 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 Purchase/ Delivery Order.

n) As per the Tamil Nadu government Tender Transparency Act, tender validity can be extended for 25% of tender quantity and duration.

4.24 Purchase Order

a) Post the issue of LOA to successful bidders and contract signing, TANFINET shall release Purchase Order in parts.

b) TANFINET shall issue the Purchase Order specifying the number of ONT equipment to be supplied to the TANFINET designated locations at district level and the bidders start to make arrangement for necessary committed inventory as per the delivery schedule.

c) Upon receipt of confirmation from the OEM regarding lot delivery readiness, TANFINET shall issue the delivery order to the Bidder

4.25 Issue of Delivery Order (DO)

a) TANFINET shall issue Delivery Orders for delivery of ONTs with details of the designated sites of TANFINET with number of ONTs to be delivered to the respective site.

4.26 Execution of Delivery Order (DO)

a) The Successful Bidder/s shall ensure supply of the ONT Devices at those sites within the delivery period and as per approved specifications which shall be checked by TANFINET's or its authorized representatives for correctness of the quantity, physical damages, QA Certificates etc.

b) Post the supply of the ONT boxes by the successful bidder/s, at the mandated sites mentioned by TANFINET or its authorized representatives, acknowledgement will be issued by TANFINET/Authorised representative with the respective bidders.

c) The Contractor shall make all arrangements to make knowledge transfer by supply of user manual with details of configurations, troubleshooting, etc. to the TANFINET representatives at various delivery locations.

For ONTs ordered under Category-I (Deferred Payment):

d) Upon completion of the delivery of each lot, the payment cycle commencement date shall be considered as the date of installation of

the ONTs or 60 days from the date of delivery (Date of consignment received at the TANFINET- designated district location), whichever is earlier.

e) The accumulated eligible payment for the actual quantity installed/delivered for the respective lot will be released to the respective bidder(s) periodically at **four-month** intervals, with the balance amount released progressively up to the end of the 11th month, in line with payment schedule.

f) ***Post the installation of the ONTs by TANFINET or its authorized representatives / franchise partners, Installation certificates will be issued by TANFINET to the respective bidders.***

For ONTs ordered under Category-II (On Delivery Payment):

g) ***Upon completion of the delivery of each lots at respective locations, payments for actual quantity delivered and acknowledged, for the respective lot will be released to respective bidder(s) after due verifications.***

h) 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.

i) Contractor shall also submit an escalation matrix for addressing issues.

j) 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 Order.

4.27 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.

4.28 Limitation of Liability

a) In the case of Gross negligence or willful 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/or its Authorised representatives 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/ or its Authorised representatives 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/ or its Authorised representatives under the Contract and law.

e) TANFINET/ or its Authorised representatives 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.

4.29 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 or its Authorised representatives reserves its right to cancel the Purchase / Purchase Order either in part or full, if this condition is violated.

4.30 Indemnity

The Contractor shall indemnify and defend TANFINET or its Authorised representatives and its representatives & employees and hold TANFINET or its Authorised representatives, 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 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

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 TANFINET 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.

4.31 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 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.

4.32 TANFINET reserves the right to

a) Inspect the Bidder's/OEM's factory after the issue of LOA to ensure 50% of the scope.
b) Modify, reduce or increase the quantity requirements to an extent of the Tendered quantity as per the provisions of the Act and Rules.
c) Change the list of areas of supply locations from time to time based on the requirement of the TANFINET.
d) Insist on quality / specification of materials to be supplied.
e) Withhold any amount, for the deficiency in the service aspect of the ordered Items supplied to the TANFINET anytime during the Contract period and for want of sufficient documents.
f) Recover from the payables to the Contractor for any lapse or default on taxes.
g) TANFINET has the right to recover the Input Credit Loss suffered by it due to any default including blacklisting / bankruptcy.

4.33 General Communication

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

4.34 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.

4.35 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 Act and Rules.

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.

4.36 Termination of Contract

4.36.1 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 goods. However, the Contractor

shall continue the performance of the Contract to the extent not terminated.

4.36.2 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.

4.36.3 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.

4.37 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 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 TANFINET from such third parties as are necessary to enable TANFINET or its Authorised representatives to receive services substantially equivalent to the Services hereunder.
    b. The Contractor shall transfer to TANFINET, 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 TANFINET 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.
    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 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 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 may in its sole discretion, engage another agency/Successful Bidder / Empaneled Agencies/Vendor 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 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 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 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.

4.38 Compliance with Law

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

4.39 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.

4.40 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.

4.41 Subcontracting of Work

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



Tender Specific Terms and Conditions



5 Tender Specific Terms and Conditions

5.1 Scope of Work- Category-I (Deferred Payment):

5.1.1 Brief Overview of the Scope of Work

The scope of work of this tender covers two phases (Viz Phase I & II) as briefed below:

Category-I: Phase I

This phase starts from the date of issue of Letter of Acceptance (LOA) to the date of completion of warranty period (Warranty period is for one year from the date of installation). The bidder has to supply 1.5 lakh ONT devices and assist installation of the ONT devices by TANFINET or its authorised agencies.

Date of installation or 60 days from the date of delivery (Date of consignment received at the TANFINET- designated district location), whichever is earlier will be the "Warranty start date" of the ONT device from Tanfinet BSS which will be shared by Tanfinet to bidder on every month.

Payment for the ONTs supplied under this part will be made in "deferred payment mode" as mentioned in the payment terms.

Category-I: Phase II

This is a three-year Comprehensive Maintenance period commencing fromthe end of warranty date of the ONT devices.

5.2 Scope of Work- Category-II(On Delivery Payment)

5.2.1 Brief Overview of the Scope of Work

The scope of work of this tender covers two phases (Viz Phase I & II) as briefed below:

Category-II - Phase I :

This phase starts from the date of issue of Letter of Acceptance (LOA) to the date of completion of warranty period (Warranty period is for one year from the date of installation). The bidder has to supply 1 lakh ONT devices and assist installation of the ONT devices by TANFINET or its authorised agencies.

Date of installation will be the "Warranty start" date of the ONT device from Tanfinet BSS which will be shared by Tanfinet to bidder on every month.

Payment for the ONTs supplied under this part will be made "on delivery" as mentioned in the payment terms.

Category-II - Phase II

This is three-year Comprehensive Maintenance period commencing from the end of warranty date of the ONT devices.

5.2.2 Detailed Scope of Work - Category-I

Detailed Scope of Work: Category-I - Phase I

This phase starts from the date of issue of Letter of Acceptance (LOA) by TANFINET to successful bidder. The successful bidder upon receipt of the LOA would share Performance BG for the Total Contract Value for total estimated quantity allocated the Successful Bidder in this bid. The other L2/L3/… level bidders who agree to meet the final negotiated L1 rates agreed by the Successful Bidder (L1) shall be also empanelled and work would be awarded as per the Section 30.(4) of Tamil Nadu Transparency Act.

Subsequently all successful bidders (including other bidders who agree to match the L1 rates) shall need to complete tender formalities such as submission of Security Deposit and signing of agreement. The bidder(s) shall keep the requisite inventory to be delivered upon receipt of Purchase Orders from TANFINET. Within 30 days from the date of Purchase Order the bidder has to make the requisite inventory ready for delivery and inform TANFINET. TANFINET shall issue Purchase Orders in part in line with overall guaranteed quantity share for each bidders.

TANFINET Based on the receipt of intimation from Bidder, Delivery Orders (DO) will be issued to the bidder and they shall complete the delivery of ONT devices to the respective delivery sites within 10 days from the date of delivery orders.

Post the delivery of the ONT devices to respective sites as advised by the DO issued by TANFINET, TANFINET or its Authorised Agency / Franchises would be installing ONT devices at the customer premises. In case of any technical and installation guidance / support required for any specific site(s) then bidder shall support with required technical support

to get the ONT device gets installed within the same day.

Bidder shall furnish the requisite inventory data through API shared by TANFINET as per the formats prescribed TANFINET for the entire duration of the Contract period.

Bidder and all stakeholders shall use the tool prescribed by TANFINET for inventory management for activities such as delivery, actual deployment, Field device-level Change Request Management, invoicing by vendors and payments by TANFINET.

Post the installation and the site-specific commissioning of ONTs and on receipt of acknowledgement, the acceptance report shall be generated by TANFINET/Authorised representative. Subsequently, the bidder shall submit the proforma invoice with requisite documents for consolidated supply quantity against the Delivery Orders (lots).

The payment cycle commencement date shall be considered as the date of installation or 60 days from the date of delivery (Date of consignment received at the TANFINET- designated district location), whichever is earlier. The accumulated eligible payment shall be released to the respective bidder(s) periodically at four-month intervals with the balance amount released progressively up to the end of the 11th month inline with the payment terms. The supply of entire ONTs as per the scope of work along with the Comprehensive Maintenance / Warranty Services with replacement guarantee from the date of installation or 60 days from the date of delivery (Date of consignment received at the TANFINET-designated district location), whichever is earlier, marks the successful completion of the Phase I scope.

5.2.3 Detailed Scope of Work - Category-II

5.2.3.1 Detailed Scope of Work: Category-II - Phase I

This phase starts from the date of issue of Letter of Acceptance (LOA) by TANFINET to successful bidder. The successful bidder upon receipt of the LOA would share Performance BG for the Total Contract Value for total estimated quantity allocated the Successful Bidder in this bid. The other L2/L3/… level bidders who agree to meet the final negotiated L1 rates agreed by the Successful Bidder (L1) shall be also empanelled and work would be awarded as per the Section 30.(4) of Tamil Nadu Transparency Act.

Subsequently all successful bidders (including other bidders who agree to match the L1 rates) shall need to complete tender formalities such as submission of Security Deposit and signing of agreement. The bidder(s) shall keep the requisite inventory to be delivered upon receipt of Purchase Orders from TANFINET. Within 30 days from the date of Purchase Order the bidder has to make the requisite inventory ready for delivery and inform TANFINET. TANFINET shall issue Purchase Orders in part in line with overall guaranteed quantity share for each bidders.

TANFINET Based on the receipt of intimation from Bidder, Delivery Orders (DO) will be issued to the bidder and they shall complete the delivery of ONT devices to the respective delivery sites within 10 days from the date of delivery orders.

Post the delivery of the ONT devices to respective sites as advised by the DO issued by TANFINET, TANFINET or its Authorised Agency / Franchises would be installing ONT devices at the customer premises. In case of any technical and installation guidance / support required for any specific site(s) then bidder shall support with required technical support to get the ONT device gets installed within the same day.

Bidder shall furnish the requisite inventory data through API shared by TANFINET as per the formats prescribed TANFINET for the entire duration of the Contract period.

Bidder and all stakeholders shall use the tool prescribed by TANFINET for inventory management for activities such as delivery, actual deployment, Field device-level Change Request Management, invoicing by vendors and payments by TANFINET.

Post the site-specific supply and delivery of ONTs and on receipt of acknowledgement, the bidder shall submit the proforma invoice with requisite documents for consolidated supply quantity against the Delivery Orders (lots). The payments shall be released by TANFINET after due verification of documents required.

The supply of entire ONTs as per the scope of work along with the **Warranty Services with replacement Guarantee** from the date of installation marks the successful completion of the Phase I scope.

5.2.3.1.1 Supply and Delivery:

1. Supply of GPON **Single Band** (2.4 Ghz WiFi) **Dual Band** (2.4 Ghz & 5 Ghz WiFi) and **Dual Band along with Triple Play** Optical Network Terminals (**ONT**) conforming to the technical specifications defined in this tender.
2. The total quantity of Optical Network Terminal (ONT) devices targeted to be supplied under this tender is 2,50,000 (Two Lakh & Fifty Thousand) units.

   Out of the total requirement:

   Category-I: ONT Main (Deferred Payment)

- 60% (90,000 units) shall comprise Single Band ONT (Type 2) mentioned in the technical specifications based on the TANFINET requirement.
- 35% (52,500 units) shall comprise Dual Band ONT(Type 2) mentioned in the technical specifications based on the TANFINET requirement.
- 5% (7,500 units) shall comprise Triple Play Dual Band ONT mentioned in the technical specifications based on the TANFINET requirement.

Category-II : ONT Main (On Delivery Payment)

- 60% (60,000 units) shall comprise Single Band ONT (Type 2) mentioned in the technical specifications based on the TANFINET requirement.
- 35% (35,000 units) shall comprise Dual Band ONT(Type 2) mentioned in the technical specifications based on the TANFINET requirement.
- 5% (5,000 units) shall comprise Triple Play Dual Band ONT mentioned in the technical specifications based on the TANFINET requirement.

3. ONTs shall be **preloaded with TANFINET-approved firmware** supporting TR-069 remote management, OMCI profiles, VLAN tagging, and auto-provisioning features and restrict CLI /WEB /SSH access.
4. Delivery shall be made **to, the 38 DHQ delivery locations** across Tamil Nadu, in good condition and as per dispatch instructions issued by TANFINET.
5. The Successful Bidder shall ensure that each ONT is supplied with **standard accessories**, including power adapter, mounting kit, and installation guide.

5.2.3.1.2 Installation Readiness & Configuration Support

1. The supplied ONTs shall be plug-and-play ready for integration with TANFINET's OLTs (Make: Tejas, Models: TJ1400-1 G8, TJ1400-1 G4).
2. The OEM/Vendor shall provide all necessary documentation, including **configuration manuals, CLI/Web interface user guides, and firmware upgrade procedures**.
3. Remote or on-site assistance, if required during pilot installation, shall be provided without additional cost.

5.2.3.1.3 Quality Assurance

1. Each ONT unit must undergo **factory-level quality testing** prior to shipment
2. The vendor shall submit **Batch-wise Quality Assurance Certificates** indicating firmware version, serial number range, and compliance with standards
3. TANFINET reserves the right to inspect or audit the manufacturing/testing facility.

5.2.3.1.4 Compliance and Security

1. All ONTs must comply with the **Trusted Telecom Portal** registration requirement as per **DoT's National Security Directive for Telecom Sector (NSDTS)**.
2. The equipment shall not contain any **malicious code** and must ensure that **Intellectual Property Rights (hardware & software)** do not reside in any country sharing a land border with India, unless registered with DPIIT as per Government of India guidelines.
3. The Successful Bidder shall ensure that **firmware integrity and authenticity** are verifiable through secure cryptographic signatures.

5.2.3.1.5 Reports and Acceptance

1. The Vendor shall submit the following:
    - Delivery Challans and Packing Lists
    - Factory Test Certificates / Quality Reports
    - Warranty and Serial Number Mapping Sheet

2. TANFINET shall carry out **random acceptance testing** to ensure compliance with specifications prior to acceptance and payment.

5.2.3.2 Detailed Scope of Work: Phase II

Phase-II period includes three-year Comprehensive Maintenance commencing from the end of warranty period.

5.2.3.2.1 ONT device Service Management

1. Any complaint by the end-consumer or challenges identified during preventive maintenance carried out by TANFINET or its designated agencies / Franchise; a ticket is to be logged in the ticketing tool of the Bidder.
2. Bidder 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 L2 level ticket for resolution by the respective OEM/Vendor. Bidder shall provide access to the ticketing tool to TANFINET and its Authorised representatives for the entire process flow.
3. Post resolution, the bidder updates the ticketing tool for ticket closure which will also detail on root cause along with the mitigation approach adopted by the bidder.
4. TANFINET's designated agency / franchisee does the field check updates ticket closure details, customer experience.
5. Based on total downtime the bidder shall be levied SLA penalty as per the Phase II SLA prescribed in this tender
6. In case of any disputes on the root cause and SLA applicability on bidder then TANFINET would investigate and do the needful. TANFINET decision on it will be the final.
7. The payments for the bidder in this phase shall be based for the actual devices based on the year-wise Comprehensive AMC cost component.

8. In case of repeat issues / complaints then bidder may be terminated and TANFINET may ask for a new device from another empaneled bidder for such specific sites.

5.2.3.2.2 Warranty & Replacement Support

9. The OEM/Vendor shall provide a **comprehensive Annual Warranty Service with replacement Guarantee** from the date of installation or 60 days from the date of delivery, whichever is earlier. (Date of installation is the service activation date of the ONT device from Tanfinet BSS which will be shared by Tanfinet to bidder on every month)

10. Any defective ONT (hardware or software issue) identified within the warranty period shall be replaced with a **new unit of the same model or higher version** within the SLA.
11. During the warranty period, **firmware updates and security patches** shall be provided free of cost.

5.2.4 Roles and Responsibilities

A. Tamil Nadu FibreNet Corporation (TANFINET)

a) TANFINET shall issue the Purchase Order specifying the number of ONT equipment to be supplied to the TANFINET designated locations at district level.

b) Upon receipt of confirmation from the OEM/SI regarding lot delivery readiness, TANFINET shall issue the delivery order to the Bidder.

B. Contractor/OEM/SI

i. Upon issuance of the Purchase Order, the OEM/SI shall ensure that the required materials are made ready within 30 days.

ii. The OEM/SI shall provide a confirmation of lot delivery readiness to TANFINET.

iii. Upon receipt of the delivery order from TANFINET, the Bidder shall ensure that the materials are delivered to the TANFINET designated locations within 10 days at district level.

5.3 Service Level Agreement

The Service Level Agreement is defined for each of the two phases in the project.

5.3.1 Service Level Agreement – Phase I

#	Activity	Service Level	Threshold	Penalty for Breach
1	The bidder shall manufacture devices as per Purchase Order quantity in batches matching the tentative delivery schedule mandated by TANFINET	Once lot readiness is informed by OEM / SI , TANFINET or through its representatives shall inspect and asses the quality and quantity on sample lots, if necessary. Upon delivery at TANFINET designated locations, TANFINET or its representatives shall conduct the quantity and physical verifications for any visible damage of the delivered material.	For more than 1% upto 5% of the supplied quantity in that district lot is found defective during installation.	A penalty of 10% of the cost of the defective devices will be imposed. In addition to that, defective equipment needs to be replaced free of cost
			If 5% to 10% of the district lot quantity is found defective during installation. If the defective quantity exceeds 10% of the district lot quantity is found defective during installation.	A penalty of 10% of the cost of the district lot quantity will be imposed. Entire district lot quantity will be rejected and the bidder has to replace the same within 7 days at its own cost.
	Delivery of ONT Device within 2 calendar days from the date of Delivery Order receipt of intimation to the 1. Correct Place as per DO 2. Time (2 calendar days) 3. Same Approved device 4. Same required quantity	Any compromise in any of 4 pointers shall be deemed as non-compliance	The day when DO is release shall be termed as Zeroth (0th) day. Threshold timeline for delivery shall 2 days from date of DO release.	For every 1 additional day (i.e. from 3rd day) of non-compliance will attract a penalty of INR 50/- per device which is compromised.

Note: If the number of rejects at batch-production level happens more than

3 times, then TANFINET may review performance and shall terminate the agreement with the respective bidder, if required.

5.3.2 Service Level Agreement – Phase II

#	Activity	Service Level	Threshold	Penalty for Breach
1	Replacement of faulty ONT Device within 2 calendar days from the date of receipt of compliant / intimation from TANFINET or authorized agencies / Franchise	Replacement of faulty device or make it operational with a Same / equivalent or capacity Device reinstated within 2 calendar days	The day when compliant is intimated to the bidder shall be termed as first (1st) day. Threshold timeline for replacement of the faulty device within 2 calendar days from date of receipt of complaint.	For every 1 day additional day (i.e. from 3rd day) of non-compliance will attract a penalty of INR 100/- per device which is compromised.

Note:

- If any form of compromise mentioned above gets repeated for 3 (three) instances consecutively. Then TANFINET may review performance and shall terminate the agreement with the respective bidder, if required.
- The penalty is CAPPED to 10% of the respective bidder's contract value. If the CAPPED penalty has reached then TANFINET may review performance and shall terminate the agreement with the respective bidder, if required

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)**	The Sole Bidder or Lead Bidder and each of the Consortium members should be 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	The Sole Bidder or Lead Bidder and each of Consortium members should submit: • Copy of Certification of Incorporation. • Copy of PAN card • Copy of GST Registration • Copy of Audited Financial Statements for Financial Years (2022-23, 2023-24, 2024-25).
2	**Power of Attorney (Bidder)**	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
3	**Past experience**	The Sole Bidder or Lead Bidder or any one of the Consortium members should have an experience as per the below mentioned scope of 3 years of existence in the field of manufacturing, Supply and Maintenance support for the ONT devices.	Relevant proof of Purchase / Purchase Orders/ work completion certificate shall be submitted.
4	**Sales Turnover**	The Sole Bidder or lead bidder should have an average Annual Turnover	Copies of the Audited Annual Reports containing the Balance

TEC	Evaluation Criterion Type	Evaluation Criteria	Documentary Proof to be submitted
		of **Rs. 80 Crores** or above in the last three successive Audited Financial years (2022-23, 2023-24, 2024-25).	sheets, Profit and Loss account for the last 3 Audited Financial years (2022-23, 2023-24, 2024-25) shall be submitted.
5	**Presence in Chennai**	The Sole Bidder or lead 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.
6	**Accreditations**	The Sole Bidder or Lead Bidder or any one of the Consortium members 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.
7	**Blacklisting**	The Sole Bidder/Lead Bidder and any one of the Consortium members must not be under a declaration of in- eligibility 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 7.

TEC	Evaluation Criterion Type	Evaluation Criteria	Documentary Proof to be submitted
8	**General Eligibility**	The Sole Bidder or Lead Bidder shall be the single point of contact and shall be solely responsible for all the terms & conditions of the Tender.	Self-certification duly signed by authorised signatory on company letterhead.
9	**General Technical Experience**	**For General Bidders:** The Sole Bidder or Lead Bidder or any one of the Consortium members must have successfully completed any of the following during last 05 (Five) years, ending last day of month previous to the one in which tender is invited: One similar work# each amounting to not less than or equal to 50% of advertised quantity of the tender, or Two similar works# each amounting to not less than or equal to 40% of advertised quantity of the tender, or Three similar works# each amounting to not less than or equal to 30% of advertised quantity of the tender, Or Four similar works# each amounting to not less than or equal to 20% of advertised quantity of the tender**.** **Note:** Completion of work should fall in the above period. The bidder shall also	Completion certificates with Satisfactory working and value of the work completed from the User Organizations is required to be submitted. In case of substantially completed work, certificate from user for bidder share regarding total value of bidders share of work and value of completed work (minimum 80% of total value of bidder's share of work) is required to be submitted. Purchase order copy in this regard may also be submitted. Past Experience details to be attached with Bid. (The set of documents submitted should clearly certify eligibility criteria and should be verifiable from the user/customer)

TEC	Evaluation Criterion Type	Evaluation Criteria	Documentary Proof to be submitted
		furnish work completion/ substantial work completion certificate issued by customer/s for the Purchase Orders/ Purchase Orders. Substantial completion shall be 80% (quantity wise) or more works completed under the contract. For contracts under which bidder participated as a Joint Venture member or sub-contractor, only the bidder's share, by value, shall be considered to meet this requirement. # Similar Work: Projects of Broadband Network in Government / PSUs / Telecom Service Providers network/ISP Network/ Public listed company.	
10	**Satisfactory Performance**	The Equipment offered by the OEM or equipment/software of the same series/family from the same OEM should have been satisfactorily working in Government/PSUs/Telecom Service Providers/ Public Listed Company for at least 12 months as on date of opening of tender, in India.	Satisfactory Working certificate from End User clearly mentioning the make & model number of the Hardware offered. An undertaking by the OEM has to be submitted in support, in case issued satisfactory working certificate is the immediate predecessor of same series/family of the offered Hardware.

TEC	Evaluation Criterion Type	Evaluation Criteria	Documentary Proof to be submitted
11	**Work Experience**	OEM should have supplied the equipment offered or equipment/software of the same series/family at least 35% of the tendered value during last preceding 3 financial years (i.e. current year and three previous financial years) as on opening date of bid to Government/PSUs /Telecom Service Providers / Public Listed Company in India or Abroad or 35% of their offered equipment cost by OEM against SOR. Note: For Startups*(recognized by Department of Industrial policy and promotion, Ministry of Commerce and Industry) only 1/3 of value as mentioned above is required.	OEM should submit self-certificate with proper contact detail of clients along with PO reference and amount supplied (Details of purchaser Organization - Firm Name, Firm Address, Name of Contact person, Designation, Telephone Number, Fax, Official mail id etc.). The self-certificate by OEM shall mention that the supplied equipments/software are of same series/family or its immediate predecessor. TANFINET reserves the right to verify PO reference and amount supplied from Purchaser Organization. POs issued in the name of Successful Bidder / Empaneled Agencies/Vendor are also acceptable. For required amount, multiple POs in favour of OEM's Successful Bidder / Empaneled Agencies/Vendor s are also acceptable.
12	**General Eligibility**	a) Undertaking by OEM on their respective letter Heads b) OEM should have proven facilities for Engineering, manufacture, assembly, integration, testing and basic facilities with respect	Self- Declaration by the OEMs on Company's letter head for Point- A.

TEC	Evaluation Criterion Type	Evaluation Criteria	Documentary Proof to be submitted
		to space, Personnel, Test equipment, Training, Logistic Supports for at least past three years in the country from where the proposed equipment are planned to be supplied. In any case OEM is should be in India. c) OEM should not have been black-listed currently by Central Govt./ State Govt./ CPSU in India or anywhere globally by Government for security reasons. d) Hardware and Software supplied by OEM should not have any malicious code. e) The OEM shall ensure that Intellectual Property Rights of Hardware (including MAC address) and Source Code of Software must not reside in any Country that shares a Land Border with India. Moreover, OEM must ensure that they are not getting 3rd party manufacturing from any Country that shares a Land Border with India. Note: OEM's from country that shares a Land Border with India are allowed to offer their products provided OEM's is registered with DPIIT.	
13	**Trusted Telecom Portal registration**	The OEM should be registered on Trusted Telecom Portal	Self- Declaration by the OEMs on Company's letter head

TEC	Evaluation Criterion Type	Evaluation Criteria	Documentary Proof to be submitted
14	**Proof of Concept and Solution Demonstration**	Minimum of 5 sample products of all variants (all types of single band and dual band ONT's as mentioned in the specification details) needs to setup in TANFINET network and demonstrated for successful operations	Live Demonstration
15	**Compliance to GFR**	Bidder shall submit self-declaration certificate for GFR compliance as land border purchases as mandated GoI, in Appendix	Refer Section 6.13 for template
16	**Declaration that bidder is not submitted any other bid for this tender either in the capacity of OEM / vendor**	Bidder shall submit self-declaration certificate that bidder has not submitted any other bid for this tender	Refer Section 6.14.10 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 Technical Specifications

5.5.1 Single Band ONT Device (Type 1)

#	Type of Specification	Specification Requirement
1	ONT devices to be locked so they only work with TANFINET network.	For this OEM should provide custom firmware builds to TANFINET. This firmware should hide configuration menus, restrict CLI /WEB /SSH access, force pre-programmed operator settings (VLAN, OMCI profiles, TR-069 ACS URL).
2	Support GPON standard ONT interoperable with any OLT	Fully ITU-T G.984 (ITU-T G.984.1, G.984.2, G.984.3, G.984.4)
3	Upstream 1.25 Gbps & Downstream 2.5 Gbps	
4	Flash GPON	64 MB NAND
5	RAM GPON	64 MB
6	Need ONT devices which work only on 2.4 Ghz WiFi (Single Band)	
7	WiFi Specifications of ONT	In-built Wi-Fi support as per IEEE 802.11 a/b/g/n (i.e supporting Wi-Fi 4 and above)
8	WAN Link Specifications	10/100/1000M Base-T DHCP Dymamic IP / Static IP / PPPoE Server, Client, DHCP client list Address Reservation 1 x GPON port
9	LAN Specifications	2x RJ45 LAN (1 * GE + 1*FE)
10	Support IP	IPv4, IPv6 802.1Q (VLAN tagging), 802.1ad (QinQ, Stacked VLANs)
11	Support VLAN	Support VLAN number till 4094
12	Device Management	TR-069, TR181 Http, Telnet, SSH etc
13	LED Indicators	Power, PON, WAN, LAN etc
14	Environment	Operating Temperature: 0 C to 45 deg C Operating Humidity: 70% Storage Humidity: 90%
15	Certification	MTCTE certification (TEC) – covering safety, EMC, RoHS, and technical specs. RoHS compliance (environmental requirement). ITSAR compliance (security assurance

		under NSDTS). Proper labeling compliance (per Indian law).
16	Optional	RJ11 (Voice)
17	Functional and technical requirement of ONT shall comply with	TEC/GR/FA/PON-002/02/NOV-18 or TEC/GR/FA/NG2-001/01/MAR-20 with all amendments
18	ONT Launch Optical Power	0.5dBm to 5.0dBm
19	ONT Receiver Sensitivity	≤ -28 dBm
20	Optical Input Overload	≥ -8 dBm
21	MDI/MDIX auto-sensing and auto-negotiation	
22	Antenna gain	5dBi
23	The primary power source for the ONTs shall be	Input 100-240V AC, 50/60Hz Output:12V DC +/- 5%, 1A/1.5A. The ONT adapter shall be designed to have protection against Power Transient, Surge and blow-outs. The ONT adapter shall be BIS approved"
24	ONT Power module needed Dying gasp support functionality	
25	Reset button (recessed)	
26	Option to change MTU size	
27	The ONT shall have on/off switch.	
28	The ONT shall be compact, table top or wall mountable	
29	Tanfinet logo in the GUI as well in Physical unit	
30	Compliance to DOT Policy of Make in India with class 1 Supplier and Land Border clause of Govt of India	
31	The ONT shall support TR-069 (CWMP) management protocol and TR-143 diagnostics, enabling the call centre to remotely initiate ping, traceroute, speed tests, latency checks, dying gasp and performance diagnostics without end-user intervention. The test results shall be retrievable via ACS interface or API.	
32	Through TR-069 ONT should enable the call centre to remotely Get device information (serial, firmware, uptime, etc.), Change configurations remotely, Reboot or reset devices	

5.5.2 Single Band ONT Device (Type 2)

#	Type of Specification	Specification Requirement

1	ONT devices to be locked so they only work with TANFINET network.	For this OEM should provide custom firmware builds to TANFINET. This firmware should hide configuration menus, restrict CLI /WEB /SSH access, force pre-programmed operator settings (VLAN, OMCI profiles, TR-069 ACS URL).
2	Support GPON standard ONT interoperable with any OLT	Fully ITU-T G.984 (ITU-T G.984.1, G.984.2, G.984.3, G.984.4)
3	Upstream 1.25 Gbps & Downstream 2.5 Gbps	
4	Flash GPON	128 MB NAND
5	RAM GPON	128 MB
6	Need ONT devices which work only on 2.4 Ghz WiFi (Single Band)	
7	WiFi Specifications of ONT	In-built Wi-Fi support as per IEEE 802.11 a/b/g/n (i.e supporting Wi-Fi 4 and above)
8	WAN Link Specifications	10/100/1000M Base-T DHCP Dymamic IP / Static IP / PPPoE Server, Client, DHCP client list Address Reservation 1 x GPON port
9	LAN Specifications	2x RJ45 LAN (1 * GE + 1*FE)
10	Support IP	IPv4, IPv6 802.1Q (VLAN tagging), 802.1ad (QinQ, Stacked VLANs)
11	Support VLAN	Support VLAN number till 4094
12	Device Management	TR-069, TR181 Http, Telnet, SSH etc
13	LED Indicators	Power, PON, WAN, LAN etc
14	Environment	Operating Temperature: 0 C to 45 deg C Operating Humidity: 70% Storage Humidity: 90%
15	Certification	MTCTE certification (TEC) – covering safety, EMC, RoHS, and technical specs. RoHS compliance (environmental requirement). ITSAR compliance (security assurance under NSDTS). Proper labeling compliance (per Indian law).
16	Optional	RJ11 (Voice)
17	Functional and technical requirement of ONT shall comply with	TEC/GR/FA/PON-002/02/NOV-18 or TEC/GR/FA/NG2-001/01/MAR-20 with all amendments
18	ONT Launch Optical Power	0.5dBm to 5.0dBm

19	ONT Receiver Sensitivity	≤ -28 dBm
20	Optical Input Overload	≥ -8 dBm
21	MDI/MDIX auto-sensing and auto-negotiation	
22	Antenna gain	5dBi
23	The primary power source for the ONTs shall be	Input 100-240V AC, 50/60Hz Output:12V DC +/- 5%, 1A/1.5A. The ONT adapter shall be designed to have protection against Power Transient, Surge and blow-outs. The ONT adapter shall be BIS approved"
24	ONT Power module needed Dying gasp support functionality	
25	Reset button (recessed)	
26	Option to change MTU size	
27	The ONT shall have on/off switch.	
28	The ONT shall be compact, table top or wall mountable	
29	Tanfinet logo in the GUI as well in Physical unit	
30	Compliance to DOT Policy of Make in India with class 1 Supplier and Land Border clause of Govt of India	
31	The ONT shall support TR-069 (CWMP) management protocol and TR-143 diagnostics, enabling the call centre to remotely initiate ping, traceroute, speed tests, latency checks, dying gasp and performance diagnostics without end-user intervention. The test results shall be retrievable via ACS interface or API.	
32	Through TR-069 ONT should enable the call centre to remotely Get device information (serial, firmware, uptime, etc.), Change configurations remotely, Reboot or reset devices	

5.5.3 Single Band ONT Device (Type 3)

#	Type of Specification	Specification Requirement
1	ONT devices to be locked so they only work with TANFINET network.	For this OEM should provide custom firmware builds to TANFINET. This firmware should hide configuration menus, restrict CLI /WEB /SSH access, force pre-programmed operator settings (VLAN, OMCI profiles, TR-069 ACS URL).
2	Support GPON standard ONT interoperable with any OLT	Fully ITU-T G.984 (ITU-T G.984.1, G.984.2, G.984.3, G.984.4)
3	Upstream 1.25 Gbps & Downstream 2.5 Gbps	

4	Flash GPON	16 MB NAND
5	RAM GPON	16 MB
6	Need ONT devices which work only on 2.4 Ghz WiFi (Single Band)	
7	WiFi Specifications of ONT	In-built Wi-Fi support as per IEEE 802.11 a/b/g/n (i.e supporting Wi-Fi 4 and above)
8	WAN Link Specifications	10/100/1000M Base-T DHCP Dymamic IP / Static IP / PPPoE Server, Client, DHCP client list Address Reservation 1 x GPON port
9	LAN Specifications	2x RJ45 LAN (1 * GE + 1*FE)
10	Support IP	IPv4, IPv6 802.1Q (VLAN tagging), 802.1ad (QinQ, Stacked VLANs)
11	Support VLAN	Support VLAN number till 4094
12	Device Management	TR-069, TR181 Http, Telnet, SSH etc
13	LED Indicators	Power, PON, WAN, LAN etc
14	Environment	Operating Temperature: 0 C to 45 deg C Operating Humidity: 70% Storage Humidity: 90%
15	Certification	MTCTE certification (TEC) – covering safety, EMC, RoHS, and technical specs. RoHS compliance (environmental requirement). ITSAR compliance (security assurance under NSDTS). Proper labeling compliance (per Indian law).
16	Optional	RJ11 (Voice)
17	Functional and technical requirement of ONT shall comply with	TEC/GR/FA/PON-002/02/NOV-18 or TEC/GR/FA/NG2-001/01/MAR-20 with all amendments
18	ONT Launch Optical Power	0.5dBm to 5.0dBm
19	ONT Receiver Sensitivity	≤ -28 dBm
20	Optical Input Overload	≥ -8 dBm
21	MDI/MDIX auto-sensing and auto-negotiation	
22	Antenna gain	5dBi
23	The primary power source for the ONTs shall be	Input 100-240V AC, 50/60Hz Output:12V DC +/- 5%, 1A/1.5A. The ONT adapter shall be designed to have protection against Power

		Transient, Surge and blow-outs. The ONT adapter shall be BIS approved"
24	ONT Power module needed Dying gasp support functionality	
25	Reset button (recessed)	
26	Option to change MTU size	
27	The ONT shall have on/off switch.	
28	The ONT shall be compact, table top or wall mountable	
29	Tanfinet logo in the GUI as well in Physical unit	
30	Compliance to DOT Policy of Make in India with class 1 Supplier and Land Border clause of Govt of India	
31	The ONT shall support TR-069 (CWMP) management protocol and TR-143 diagnostics, enabling the call centre to remotely initiate ping, traceroute, speed tests, latency checks, dying gasp and performance diagnostics without end-user intervention. The test results shall be retrievable via ACS interface or API.	
32	Through TR-069 ONT should enable the call centre to remotely Get device information (serial, firmware, uptime, etc.), Change configurations remotely, Reboot or reset devices	

5.5.4 Dual Band ONT Device (Type 1)

#	Type of Specification	Specification Requirement
1	ONT devices to be locked so they only work with TANFINET network.	For this OEM should provide custom firmware builds to TANFINET. This firmware should hide configuration menus, restrict CLI /WEB /SSH access, force pre-programmed operator settings (VLAN, OMCI profiles, TR-069 ACS URL).
2	Support GPON standard ONT interoperable with any OLT	Fully ITU-T G.984 (ITU-T G.984.1, G.984.2, G.984.3, G.984.4)
3	Upstream 1.25 Gbps & Downstream 2.5 Gbps	
4	Flash GPON	128 MB NAND
5	RAM GPON	128 MB
6	Need ONT devices which work only on 2.4 Ghz & 5 Ghz WiFi (Dual Band)	
7	WiFi Specifications of ONT	In-built Wi-Fi support as per IEEE 802.11 a/b/g/n/ac (i.e supporting Wi-Fi 4 and above)
8	WAN Link Specifications	10/100/1000M Base-T DHCP Dymamic IP / Static IP / PPPoE Server, Client, DHCP client list

		Address Reservation 1 x GPON port
9	LAN Specifications	2x RJ45 LAN (2 * GE with auto negotiation)
10	Support IP	IPv4, IPv6 802.1Q (VLAN tagging), 802.1ad (QinQ, Stacked VLANs)
11	Support VLAN	Support VLAN number till 4094
12	Device Management	TR-069, TR181 Http, Telnet, SSH etc
13	LED Indicators	Power, PON, WAN, LAN etc
14	Environment	Operating Temperature: 0 C to 50 deg C Operating Humidity: 70% Storage Humidity: 90%
15	Certification	MTCTE certification (TEC) – covering safety, EMC, RoHS, and technical specs. RoHS compliance (environmental requirement). ITSAR compliance (security assurance under NSDTS). Proper labeling compliance (per Indian law).
16	Optional	RJ11 (Voice)
17	Functional and technical requirement of ONT shall comply with	TEC/GR/FA/PON-002/02/NOV-18 or TEC/GR/FA/NG2-001/01/MAR-20 with all amendments
18	ONT Launch Optical Power	0.5dBm to 5.0dBm
19	ONT Receiver Sensitivity	≤ -28 dBm
20	Optical Input Overload	≥ -8 dBm
21	MDI/MDIX auto-sensing and auto-negotiation	
22	Antenna gain	5dBi
23	The primary power source for the ONTs shall be	Input 100-240V AC, 50/60Hz Output:12V DC +/- 5%, 1A/1.5A. The ONT adapter shall be designed to have protection against Power Transient, Surge and blow-outs. The ONT adapter shall be BIS approved"

24	ONT Power module needed Dying gasp support functionality
25	Reset button (recessed)
26	Option to change MTU size
27	The ONT shall have on/off switch.
28	The ONT shall be compact, table top or wall mountable
29	Tanfinet logo in the GUI as well in Physical unit
30	Compliance to DOT Policy of Make in India with class 1 Supplier and Land Border clause of Govt of India
31	ONT should handle both multicast and unicast traffic types simultaneously.
32	The ONT shall support TR-069 (CWMP) management protocol and TR-143 diagnostics, enabling the call centre to remotely initiate ping, traceroute, speed tests, latency checks, dying gasp and performance diagnostics without end-user intervention. The test results shall be retrievable via ACS interface or API.
33	Through TR-069 ONT should enable the call centre to remotely Get device information (serial, firmware, uptime, etc.), Change configurations remotely, Reboot or reset devices

5.5.5 Dual Band ONT Device (Type 2)

#	Type of Specification	Specification Requirement
1	ONT devices to be locked so they only work with TANFINET network.	For this OEM should provide custom firmware builds to TANFINET. This firmware should hide configuration menus, restrict CLI /WEB /SSH access, force pre-programmed operator settings (VLAN, OMCI profiles, TR-069 ACS URL).
2	Support GPON standard ONT interoperable with any OLT	Fully ITU-T G.984 (ITU-T G.984.1, G.984.2, G.984.3, G.984.4)
3	Upstream 1.25 Gbps & Downstream 2.5 Gbps	
4	Flash GPON	256 MB NAND
5	RAM GPON	256 MB
6	Need ONT devices which work on 2.4 Ghz & 5 Ghz WiFi (Dual Band)	
7	WiFi Specifications of ONT	In-built Wi-Fi support as per IEEE 802.11 a/b/g/n/ac (i.e supporting Wi-Fi 4 and above)
8	WAN Link Specifications	10/100/1000M Base-T

		DHCP Dymamic IP / Static IP / PPPoE Server, Client, DHCP client list Address Reservation 1 x GPON port
9	LAN Specifications	2x RJ45 LAN (2 X 1G ports with auto negotiation)
10	Support IP	IPv4, IPv6 802.1Q (VLAN tagging), 802.1ad (QinQ, Stacked VLANs)
11	Support VLAN	Support VLAN number till 4094
12	Device Management	TR-069, TR181 Http, Telnet, SSH etc
13	LED Indicators	Power, PON, WAN, LAN etc
14	Environment	Operating Temperature: 0 C to 50 Deg C Operating Humidity: 70% Storage Humidity: 90%
15	Certification	MTCTE certification (TEC) – covering safety, EMC, RoHS, and technical specs. RoHS compliance (environmental requirement). ITSAR compliance (security assurance under NSDTS). Proper labeling compliance (per Indian law).
16	Optional	RJ11 (Voice)
17	Functional and technical requirement of ONT shall **certified to comply** with	TEC/GR/FA/PON-002/02/NOV-18 or TEC/GR/FA/NG2-001/01/MAR-20 with all amendments
18	ONT Launch Optical Power	0.5dBm to 5.0dBm
19	ONT Receiver Sensitivity	≤ -28 dBm
20	Optical Input Overload	≥ -8 dBm
21	MDI/MDIX auto-sensing and auto-negotiation	
22	Antenna gain	5dBi
23	The primary power source for the ONTs shall be	Input 100-240V AC, 50/60Hz Output:12V DC +/- 5%, 1A/1.5A. The ONT adapter shall be designed to have protection against Power Transient, Surge and blow-outs. The ONT adapter shall be BIS approved"
24	ONT Power module needed Dying gasp support functionality	

25	Reset button (recessed)
26	Option to change MTU size
27	The ONT shall have on/off switch.
28	The ONT shall be compact, table top or wall mountable
29	Tanfinet logo in the GUI as well in Physical unit
30	Compliance to DOT Policy of Make in India with class 1 Supplier and Land Border clause of Govt of India
31	ONT should handle both multicast and unicast traffic types simultaneously.
32	The ONT shall support TR-069 (CWMP) management protocol and TR-143 diagnostics, enabling the call center to remotely initiate ping, traceroute, speed tests, latency checks, dying gasp and performance diagnostics without end-user intervention. The test results shall be retrievable via ACS interface or API.
33	Through TR-069 ONT should enable the call center to remotely Get device information (serial, firmware, uptime, etc.), Change configurations remotely, Reboot or reset devices

5.5.6 Triple Play Dual Band ONT Device

#	Type of Specification	Specification Requirement
1	ONT devices to be locked so they only work with TANFINET network.	For this OEM should provide custom firmware builds to TANFINET. This firmware should hide configuration menus, restrict CLI /WEB /SSH access, force pre-programmed operator settings (VLAN, OMCI profiles, TR-069 ACS URL).
2	Support GPON standard ONT interoperable with any OLT	Fully ITU-T G.984 (ITU-T G.984.1, G.984.2, G.984.3, G.984.4)
3	Upstream 1.25 Gbps & Downstream 2.5 Gbps	
4	Flash GPON	256 MB NAND
5	RAM GPON	256 MB
6	Need ONT devices which work only on 2.4 Ghz & 5 Ghz WiFi (Dual Band)	
7	WiFi Specifications of ONT	IEEE 802.11 a/b/g/n/ac, Dual Band, WPA2/WPA3, MU-MIMO, Beamforming
8	WAN Link Specifications	1 × GPON Port (SC/APC Connector)
9	LAN Specifications	Minimum 4 × 10/100/1000 Mbps RJ45 Gigabit Ethernet Ports with Auto Negotiation
10	Support IP	IPv4 and IPv6 Dual Stack

11	Voice (Triple Play) Support	Minimum 1 × RJ11 FXS Port for SIP/VoIP Services
12	IPTV Support	IGMP v2/v3 Snooping, IGMP Proxy, Multicast VLAN Support
13	Support VLAN	IEEE 802.1Q VLAN Tagging, IEEE 802.1ad QinQ, Support VLAN IDs up to 4094
14	Device Management	TR-069, TR-181, HTTP/HTTPS, Telnet, SSH, OMCI
15	QoS Support	802.1p, DSCP, Traffic Prioritization, Rate Limiting
16	Security	WPA2/WPA3, Firewall, MAC Filtering, DoS Protection
17	LED Indicators	Power, PON, LOS, Internet, LAN, Wi-Fi 2.4G, Wi-Fi 5G, Voice
18	Environment	Operating Temperature: 0 C to 50 Deg C Operating Humidity: Up to 90% Non-Condensing Storage Humidity: Up to 95% Non-Condensing
19	Certification	MTCTE (TEC), RoHS, EMC, Safety, ITSAR Compliance
20	Functional and technical requirement of ONT shall **certified to comply** with	TEC/GR/FA/PON-002/02/NOV-18 or TEC/GR/FA/NG2-001/01/MAR-20 and latest amendments
21	ONT Launch Optical Power	0.5dBm to 5.0dBm
22	ONT Receiver Sensitivity	≤ -28 dBm
23	Optical Input Overload	≥ -8 dBm
24	Voice Protocol	SIP v2, G.711A/U, G.729
25	MDI/MDIX auto-sensing and auto-negotiation	
26	Antenna gain	5dBi
27	The primary power source for the ONTs shall be	Input 100-240V AC, 50/60Hz Output:12V DC +/- 5%, 1A/1.5A. The ONT adapter shall be designed to have protection against Power Transient, Surge and blow-outs. The ONT adapter shall be BIS approved"
28	ONT Power module needed Dying gasp support functionality	
29	Triple Play Support	Simultaneous Internet, Voice (VoIP), and IPTV services over a single GPON connection

30	Reset button (recessed)
31	Option to change MTU size
32	The ONT shall have on/off switch.
33	The ONT shall be compact, table top or wall mountable
34	Tanfinet logo in the GUI as well in Physical unit
35	Compliance to DOT Policy of Make in India with class 1 Supplier and Land Border clause of Govt of India
36	ONT should handle both multicast and unicast traffic types simultaneously.
37	The ONT shall support TR-069 (CWMP) management protocol and TR-143 diagnostics, enabling the call center to remotely initiate ping, traceroute, speed tests, latency checks, dying gasp and performance diagnostics without end-user intervention. The test results shall be retrievable via ACS interface or API.
38	Through TR-069 ONT should enable the call center to remotely Get device information (serial, firmware, uptime, etc.), Change configurations remotely, Reboot or reset devices

5.5.7 Compliance to Technical Specifications

- All the hardware specifications mentioned in the tender are the required minimum, higher or better specifications would be acceptable.
- Component furnished shall be complete in every respect with all mountings, fittings, fixtures and standard accessories normally provided with such component's and/or needed for erection, completion and safe operation of the component's as required by applicable codes though they may not have been specifically detailed in the technical specification, unless included in the list of exclusions. All similar standard components/parts of similar standard components provided shall be inter-changeable with one another.
- The Standard Operating Procedure (SOP) of cabling and installation work to be adopted at the installation site has to be prescribed and given by the bidder and also support in case of any site-specific challenges to ensure the ONT devices are installed, successfully tested in an integrated setup and commissioned

- It is advised that bidder should visit few installation site(s) before submitting the tender to get apprised about the site conditions.
- The selected bidder shall be responsible for providing all materials, components, and services specified or otherwise, which are required to fulfill the intent of ensuring operability, maintainability, and reliability of the complete component covered under this specification within his quoted price. The Product shall be in compliance with all applicable SOP, standards, statutory regulations and safety requirements and bidder shall oversee on need basis to ensure quality compliance at field sites.
- The selected bidder shall perform the services and carry out its obligations with all due diligence, efficiency and economy in accordance with generally accepted professional techniques and practices and shall guide with sound management practices and employ appropriate advance technology and safe methods. The selected bidder shall always act in respect of any matter relating to this contract or to the services as faithful advisers to the TANFINET.
- The selected bidder shall furnish SOP to have well-fabricated and reliably operating and secure systems. Design and selection of component and SDK/firmware shall be consistent with the requirements of long term trouble free operation with highest degree of reliability and maintainability. All components shall be designed to operate safely without undue heating, vibration, wear, corrosion, electromagnetic interference or similar problems and all software shall be proven, tested and reliable.
- All interconnecting cables required to connect the communication component shall be furnished. All cables shall be fully assembled connector pre-terminated and factory tested as part of overall system checkout. All the cables, connectors, sockets, panel's etc. shall be labeled for identification purpose.

- All components, accessories and cables supplied under this contract shall be in accordance with the latest applicable recommendations, regulations and standards such as,
  - TRAI
  - CCITT/ITU
  - ANSI
  - IEC 60364
  - IEEE Standard 1100
  - IETF
  - TIA 942
  - ISA 3043
  - EIA/TIA 568 Standards
  - NFPA 72 and NFPA 318
  - International Electro-technical Commission (IEC)
  - Cable (Cat 6) and cable accessories (Cat6) UL Listed and verified
- For parameters not covered under the above codes, internationally acceptable standards shall be accepted. The selected bidder shall furnish a complete list of all standards and codes under which his component is designed, manufactured and assembled along with the bids.
- Functionality/accessibility of each component of the system and the system as a whole should be demonstrated to the satisfaction of TANFINET.
- Reliable over voltage and over current protection circuits shall be provided in the component power supply units. The component power supply units shall be self-protecting and also protect connected component's against interference, noise, voltage dips and surges & impulses that may be present in the mains power supply sources. Component shall be guaranteed for operation over the following power range to be made available by TANFINET at the field site : 240 V AC +/-10%, 50 Hz +/- 5%

- The Bidder should carry out the Quality Assurance(QA) process as per industry standards (complying all the technical specifications mentioned above) with authorized QA certifying agency and furnish the QA Certificate to TANFINET.
- All the ONTs to be duly marked with "QA Tested OK".
- The TANFINET, through its authorized agencies / Franchises shall ensure suitable AC power at a single power point at the location.

5.6 Contract Period

a) The contract is for period of 2(Two) years for supply from the date of issue of LoA and 3 (Three)Years comprehensive AMC support to the successful bidder and other empaneled bidders.

b) Based on the market need and requirements TANFINET reserves the right to extend or pre-close contract period.

c) 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.

d) Purchase Order may be issued anytime during the contract period. The payment for Annual maintenance shall be paid on satisfactory completion of AMC services at the end of each year.

e) In case if the product installation happened in between a month then the warranty and subsequent AMC for that products will start from the 1st of next month.

f) As per the Tamil Nadu government Tender Transparency Act, tender validity can be extended for 25% of tender quantity and duration.

5.7 Exit Management

1. The Bidder(s) shall provide Purchaser with a recommended "Exit Management Plan" within 90 days from the date of issue of LoA which shall deal with the aspects of exit management in relation to the Agreement as a whole and in relation to the project Implementation, and the O&M.
2. The Bidder(s) shall redraft the Exit Management Plan annually thereafter to ensure that it is kept relevant and up to date and shall be provided to the Purchaser.
3. Each Exit Management Plan shall be presented by the Bidder(s) to and approved by the Purchaser.
4. In case the contract period is extended, the Bidder(s) shall extend the contract under the same terms & conditions of the original contract.
5. If the Purchaser decides to not extend the contract, a committee consisting of representatives from purchaser and key resource persons of Bidder(s) as required shall be formed.
6. The committee should be formed at least 6 months before the end

of contract period.

7. The committee will define the structure, methodology and resources to carry out the operations and maintenance after exit of Bidder(s) as applicable.
8. Under the supervision of the committee, a team of personnel from the Bidder(s) shall undertake the knowledge transfer. Bidder(s) shall educate and train the new agency/personnel on all operations and maintenance including aspects such as security, confidentiality, record keeping
9. The knowledge transfer, training and handing over should happen to the satisfaction of the new agency and the Purchaser
10. The new agency may make an offer of employment or contract for services to such employee of the Bidder(s) and the Bidder(s) shall not enforce or impose any contractual provision that would prevent any such employee from being hired by new agency. (a better language may be used)
11. In the case of termination of the Project during the Implementation phase or during phase II the exit management provision shall apply for 6 months from the date agreed between the Purchaser and Bidder(s).
12. The exit management process shall comprise the following activities (illustrative not exhaustive) and the same shall be covered in the exit management plan to be shared by Bidder(s).
    - (i) Providing all documents maintained by the Bidder(s) including records and data related to customers and operations and the Bidder(s) shall not retain any copies thereof
    - (ii) To handover all assets owned by the purchaser in good shape (both hardware and software)
    - (iii) Providing list of problems and risks pertaining to the location and services
    - (iv) Provide access to the staff/personnel of the new agency including sharing of user IDs and passwords
    - (v) Identify all third-party contracts and licenses owned or operated by Bidder(s) into those that are transferable (with associated costs) and transfer them on terms not less favorable to Purchaser/new Agency than that enjoyed by the Bidder(s)
    - (vi) For those third-party contracts and licenses that are not transferable,
      Bidder(s) MUST provide an alternative
    - (vii) Provide any relevant documentation pertaining to transferable contracts/licenses as required by the new agency
    - (viii) General
        a) The Bidder(s) shall provide all such information as may reasonably be necessary to effect as seamless a handover as practicable in the circumstances to the Purchaser or new agency and which the Bidder(s) has

in its possession or control at any time during the exit management period.

b) The Bidder(s) shall commit adequate resources to comply with its obligations under this Exit Management Schedule.

c) During the exit management period, the Bidder(s) shall use its best efforts to deliver the services.

5.8 Terms of Delivery:

a) The successful bidders/empaneled bidders should deliver the ordered quantity at the TANFINET designated locations at District level

5.9 Delivery Schedule for Supply of ONTs

#	Phase	Activity	Timeline
1	Phase I	Date of Issue of Purchase Order with details of Device-type-wise, order-quantity and timelines	T
2	Phase I	Communication from Successful bidder(s) for delivery readiness	T+30 days
3	Phase I	Issue of Delivery Order with district wise location details and details of Device-type-wise, order-quantity and timelines for each district lot	T +35 days
4	Phase I	Supply of ordered quantity at TANFINET designated locations district wise.	T+45 days
5	Phase I	Issue of supply acknowledgement from district locations	T + 45 days
6	Phase I	Issue of installation certificate (Date of installation or 60 days from the date of delivery (Date of consignment received at the TANFINET- designated district location), whichever is earlier)	G
7	Phase I	Warranty Period	H=G+1 Year

6	Phase II	Rendering Comprehensive AMC services as per prescribed SLAs	H + 3 years

5.9.1 Tentative Delivery Pattern Supply of ONTs

Purchase Order	Purchase Order Issued Quantities	Timeline
Initial Purchase Order	Purchase Order will be issued for Minimum 5,000 to Maximum 50,000 nos	45 days- 100% of Purchase Order quantity.
Subsequent Purchase Orders	Purchase Order will be issued for Minimum 5,000 to Maximum 50,000 nos. TANFINET will ensure to procure 2.5 lakhs quantity over a period of 2 Years.	

a) OEM has to deliver the ONTs at the TANFINET designated delivery sites in the District of the State of Tamil Nadu.

b) OEM has to obtain the acknowledgment from the TANFINET designated authority / representative at each district.

c) Failure to deliver the ONTs as per the timeline mentioned above attracts levy of penalty as per SLA mentioned in 5.2.1 Service Level Agreement - Phase I.

5.10 Liquidated Damages on Delivery

a) The delivery period shall be considered from the date of issue of Purchase / Purchase Order. Delivery shall be completed within the stipulated period.

b) Liquidated Damages shall be levied at the rate of 0.25% per week (inclusive of holidays) on the value of the un-delivered portion of the item/Purchase order/Purchase Order, if the delivery has not been completed in full within the stipulated

period.

c) The Liquidated Damages shall be capped at 10% of the total value of the Purchase Order issued to bidder at any point of time.

d) If the total LD levied reaches the ceiling of 10% of the value of the Contract, TANFINET may terminate the Contract with the Contractor in part or full for default. The defaulted scope may be moved to the other selected bidder. TANFINET shall invoke and forfeit the Security Deposit and TANFINET shall take further action if required as permitted by the Contract and Law.

e) 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.

f) Any manufacturing defect is found in more than 1% of the supplied quantity, a penalty of 2% of the concerned Purchase Order value will be imposed. In addition to that, defective equipment needs to be replaced free of cost.

g) TANFINET reserves the right to blacklist the Contractor from taking part in any of the TANFINET/Government Tenders for a 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.

h) Blacklisting shall not relieve the Contractor from the liability of bearing the additional cost on account of procurement of items through other technically qualified Contractors or any other alternative sources.

5.11 Warranty and Support

1. The Bidder should provide the one year warranty and 3 years of AMC from the end of warranty for the ONTs supplied under this tender.

2. Faulty ONTs shall be collected from the TANFINET designated locations by the respective bidder(s).

Note:
An ONT shall be deemed faulty if it meets any of the following conditions:

i. Failure to power ON or frequent rebooting.
ii. Loss of optical signal or inability to register with the OLT despite verified network conditions.
iii. Non-functional LAN/WAN or Wi-Fi ports.
iv. Hardware malfunctions such as damaged connectors, overheating, or non-functional indicators.
v. Software malfunction or firmware corruption leading to degraded or failed performance.
vi. Inability to meet the functional or performance parameters as per the approved technical specifications.

5.12 Marking of Material Supplied:

The Contractor should mark TANFINET name and logo on the top of the ONT. Bidder shall also mark the Manufacture's Name, Month and Year of manufacturing by casting/stamping/etching/embossing and Quality Assured (QA) OK marking at backside of each piece supplied, without affecting the functional utility and structural stability of the components/material.

5.13 Inspection:

The bidder shall ensure that each unit supplied under this tender is certified at the factory for compliance with the specified technical, mechanical, and electrical parameters. A self-certification to this effect, duly signed by the authorized quality assurance representative

of the manufacturer, shall accompany each supply lot. TANFINET shall frugal and fool proof process to ensure that devices in the QC tested batch alone are distributed to the end client place

5.14 Payment Terms for Category-I-(Deferred Payment):

<table>
<tr><th>#</th><th>Phase</th><th>Timeline</th><th>Payment</th></tr>
<tr><td>1</td><td>Phase I</td><td>Date of Payment cycle commencement - Date of installation (ONT activation date from TANFINET BSS report) or 60 days from the date of delivery (Date of consignment received at the TANFINET- designated district location), whichever is earlier</td><td>
<table>
<tr><td></td><td></td></tr>
<tr><td>G</td><td>Date of installation or 60 days from the date of delivery, whichever is earlier</td></tr>
<tr><td>G+4 month</td><td>30% of ONT cost with GST without AMC cost as per Price Bid Form P3</td></tr>
<tr><td>G+8 month</td><td>30% of ONT cost without AMC cost as per Price Bid Form P3</td></tr>
<tr><td>G+11month</td><td>30 % without AMC cost as per Price Bid Form P3</td></tr>
</table>
</td></tr>
<tr><td>2</td><td>Phase I</td><td>Completion of Warranty Period (One year from the date of installation)</td><td>10% of Purchase Order of the delivered quantity.</td></tr>
</table>

#	Phase	Timeline	Payment
3	Phase II	Rendering Comprehensive AMC services as per prescribed SLAs (Three Years)	Comprehensive AMC cost discovered will be paid at the end of each year of AMC.

The payment cycle commencement date shall be considered as the date of installation or 60 days from the date of delivery (Date of consignment received at the TANFINET- designated district location), whichever is earlier. The accumulated eligible payment shall be released to the respective bidder(s) periodically at four-month intervals with the balance amount released progressively up to the end of the 11th month.

The Proforma Invoice along with the following documents to be submitted by the bidder within the 30 days from the date of delivery.

i. Invoice
ii. Delivery Challan
iii. E-Way Bill
iv. Contractor's certificate of dispatch
v. Inspection Certificate
vi. Consignee's receipt
vii. Warranty/ Guarantee certificate of OEM (should be mentioned item make, model with serial number and date of purchase of warranty from OEM and its validity which will cover entire period of warranty as per tender condition)
viii. Delivery form certified by the district TANFINET team.

In accordance with Section 16(2) read with Rule 37 of the CGST Act, 2017, the successful bidder/OEM shall raise the tax invoice on TANFINET (the Purchaser) upon delivery of ONTs to TANFINET. Payment for the supplied ONTs shall be released by TANFINET at the end of the 11th month from the date of installation.

In the event of non-payment to the OEM within 180 days from the date of invoice, TANFINET, the Purchaser, shall reverse the eligible Input Tax Credit (ITC) in compliance with the provisions of Section 16(2) of the CGST Act, 2017. The reversed ITC shall be reclaimed by TANFINET proportionately as and when payments are released to the OEM.

5.15 Payment Terms for Category-II(On Delivery Payment) :

#	Phase	Timeline	Payment
1	Phase I	On Delivery of items at TANFINET designated district locations and obtaining supply acknowledgement.	80% of Purchase Order cost for the delivered quantity.
2	Phase I	Completion of Warranty Period (One year from the date of installation)	20% of Purchase Order of the delivered quantity.
3	Phase II	Rendering Comprehensive AMC services as per prescribed SLAs (Three Years)	Comprehensive AMC cost discovered will be paid at the end of each year of AMC.

The payments shall be released by TANFINET after due verification of documents required.

The Proforma Invoice along with the following documents to be submitted by the bidder within the 30 days from the date of delivery.

ix. Invoice

x. Delivery Challan

xi. E-Way Bill

xii. Contractor's certificate of dispatch

xiii. Inspection Certificate

xiv. Consignee's receipt

xv. Warranty/ Guarantee certificate of OEM (should be mentioned item make, model with serial number and date of purchase of warranty from OEM and its validity which will cover entire period of warranty as per tender condition)

xvi. Delivery form certified by the district TANFINET team.

In accordance with Section 16(2) read with Rule 37 of the CGST Act, 2017,

the successful bidder/OEM shall raise the tax invoice on TANFINET (the Purchaser) upon delivery of ONTs to TANFINET. Payment for the supplied ONTs shall be released by TANFINET *after due verification of documents required*.

In the event of non-payment to the OEM within 180 days from the date of invoice, TANFINET, the Purchaser, shall reverse the eligible Input Tax Credit (ITC) in compliance with the provisions of Section 16(2) of the CGST Act, 2017. The reversed ITC shall be reclaimed by TANFINET proportionately as and when payments are released to the OEM.



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 the .....day 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, 1 9 5 6 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_0XX_ONT** for the Selection of OEM/Vendor for entering into Rate Contract for the Supply of Dual Band Optical

Network Terminal (ONT).

Whereas TANFINET and the Successful Bidder pursuance 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. Purchase Order may be issued till the end of validity period.

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_0XX_ONT**) 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.

2) 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 / Purchase 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 this.....at _____.

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 Submission Form P1

(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 for <Description of Tender>.

******

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 / Purchase 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. (2022-23, 2023-24, 2024-25)shall have to be submitted.	
	2022-23	
	2023–24	
	2024– 25	
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	**General Eligibility-** Self- Declaration by the OEMs on Company's letter head	
13	**Trusted Telecom Portal registration-** Self-Declaration by the OEMs on Company's letter head	
14	**Compliance to GFR-**Self declaration certificate by the OEMs on Company's letter head	
15	**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 / Purchase 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 (2022-23, 2023-24, 2024-25)shall have to be submitted.	
	2022 – 23	
	2023 – 24	
	2024– 25	
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	**General Eligibility-** Self- Declaration by the OEMs on Company's letter head	
13	**Trusted Telecom Portal registration-** Self- Declaration by the OEMs on Company's letter head	
14	**Compliance to GFR-**Self declaration certificate by the OEMs on Company's letter head	
15	**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	

6.10 Appendix -10.1: Price Bid Form P1

6.10.1 Appendix -10.1: Price Bid Form P1

PART-A (BOQ1):

Sl.No	Item Description	Unit	Qty.	Unit Rate in INR	Amount	GST on c	Amount with GST
			A	B	C	D	C+D
1.	**Single Band Optical Network Terminal (Type 2) with 1st year Warranty and AMC for next 3 years**						
1.1	**Category-I - ONT Main (Deferred payment)**	Nos.	**90000**				
1.2	**Category-II - ONT Main (On Delivery payment)**	Nos.	**60000**				
	Total for PART-A (1.1+1.2)		**150000**	--			

PART-B (BOQ2):

Sl.No	Item Description	Unit	Qty.	Unit Rate in INR	Amount	GST on c	Amount with GST
			A	B	C	D	C+D
2.	**Dual Band Optical Network Terminal (Type 2) with 1st year Warranty and AMC for next 3 years**						
2.1	**Category-I - ONT Main (Deferred payment)**	Nos.	**52500**				
2.2	**Category-II - ONT Main (On Delivery payment)**	Nos.	**35000**				

	Total for PART-B (2.1+2.2)		**87500**	--			

PART-C (BOQ3)

Sl.No	Item Description	Unit	Qty.	Unit Rate in INR	Amount	GST on c	Amount with GST
			A	B	C	D	C+D
3.	**Triple Play Dual Band Optical Network Terminal with 1st year Warranty and AMC for next 3 years**						
3.1	**Category-I - ONT Main (Deferred payment)**	Nos.	**7500**				
3.2	**Category-II - ONT Main (On Delivery payment)**	Nos.	**5000**				
	Total for PART-C (3.1+3.2)		**12500**	--			

Note:	
1.	LoA will be issued initially, and Sub-PO(Purchase Orders) may be issued depending upon the business requirement of TANFINET.
2.	Unit rate quoted against SOR above should be Districts destination inclusive of all duties, taxes, testing cost, insurance and freight etc.
3.	Tenderer to give the detailed Bill of Material including break up of total unit cost.
4.	Rate variation shall be admissible in proportion to any reduction in the listed price of the selected model during the validity of the contract. Furthermore, the purchaser reserves the right to negotiate the rates with the successful bidder after placement of order for a substantial quantity, in the interest of cost optimization and fairness.

6.11 Appendix -10.2: Price Bid for Supply Item Form P2

Sl. No	Item Description	Unit	Qty.	Unit Rate in INR	Amount	GST on c	Amount with GST
			A	b	c	d	
1	**Category-I - ONT Secondary (Deferred payment)**						
1.1	Single Band Optical Network Terminal (Type 1) with 1st year Warranty and AMC for next 3 years	Nos.	**5000**				
1.2	Single Band Optical Network Terminal (Type 3) with 1st year Warranty and AMC for next 3 years	Nos.	**5000**				
1.3	Dual Band Optical Network Terminal(Type 1) with 1st year Warranty and AMC for next 3 years	Nos.	**5000**				
2	**Category-II**- ONT Secondary (On Delivery payment)						
2.1	Single Band Optical Network Terminal (Type 2) with 1st year Warranty and AMC for next 3 years	Nos.	**5000**				
2.2	Single Band Optical Network	Nos.	**5000**				

	Terminal (Type 3) with 1st year Warranty and AMC for next 3 years						
2.3	Dual Band Optical Network Terminal (Type 1) with 1st year Warranty and AMC for next 3 years	Nos.	**5000**				
	Total						

6.12 Price Bid for Supply Item Form P3:

PART-A (BOQ1)

Sl.No	Item Description	Unit	Qty.	Unit Rate in INR	Amount	GST on c	Amount with GST
			A	B	C (A x B)	D	C+D
1.	**Single Band Optical Network Terminal (Type 2)**						
1.1	**Category-I - ONT Main (Deferred payment) Cost with 1st year Warranty and AMC for next 3 years**	Nos.	**90000**				
(A)	Cost of Single Band ONT with 1 year warranty	Nos.	**90000**				

(B)	AMC cost for 3 years	Nos.	**90000**				
1.2	**Category-II - ONT Main (On Delivery payment) Cost with 1st year Warranty and AMC for next 3 years**	Nos.	**60000**				
(C)	Cost of Single Band ONT with 1 year warranty	Nos.	**60000**				
(D)	AMC cost for 3 years	Nos	**60000**				
	Total for PART-A (1.1+1.2)		**150000**	--			

PART-B (BOQ2):

Sl. No	Item Description	Unit	Qty.	Unit Rate in INR	Amount	GST on c	Amount with GST
			A	B	C (A xB)	D	C+D
2.	**Dual Band Optical Network Terminal (Type 2)**						
2.1	**Category-I - ONT Main (Deferred payment) Cost with 1st year Warranty and AMC for next 3 years**	Nos.	**52500**				
(A)	Cost of Dual Band ONT with 1 year warranty	Nos.	**52500**				
(B)	AMC cost for 3 years	Nos.	**52500**				

2.2	**Category-II - ONT Main (On Delivery payment) Cost with 1st year Warranty and AMC for next 3 years**	Nos.	**35000**				
(C)	Cost of Dual Band ONT with 1 year warranty	Nos.	**35000**				
(D)	AMC cost for 3 years	Nos.	**35000**				
	Total for PART-B (2.1+2.2)		**87500**	--			

PART-C (BOQ3):

Sl.No	Item Description	Unit	Qty.	Unit Rate in INR	Amount	GST on c	Amount with GST
			A	B	C= (AXB)	D	C+D
3.	**Triple Play Dual Band Optical Network Terminal**						
3.1	**Category-I - ONT Main (Deferred payment) Cost with 1st year Warranty and AMC for next 3 years**	Nos.	**7500**				
(A)	Cost of Triple Play Dual Band ONT with 1 year warranty	Nos.	**7500**				
(B)	AMC cost for 3 years	Nos.	**7500**				
3.2	**Category-II - ONT Main (On Delivery payment) Cost with 1st**	Nos.	**5000**				

	year Warranty and AMC for next 3 years						
(C)	Cost of Triple Play Dual Band ONT with 1 year warranty	Nos.	**5000**				
(D)	AMC cost for 3 years	Nos.	**5000**				
	Total for PART-C (3.1+3.2)		**12500**	--			

6.13 Appendix – 11 : Technical Specification Compliance

6.13.1 Appendix – 11.1 : Declaration of Technical Specification Compliance & Remarks

6.13.1.1 Appendix – 11.1.a Single Band ONT Device (Type 1) Specification Compliance

#	Type of Specification	Specification Requirement	Compliance (Yes/No)	Remarks
1	ONT devices to be locked so they only work with TANFINET network.	For this OEM should provide custom firmware builds to TANFINET. This firmware should hide configuration menus, restrict CLI /WEB /SSH access, force pre-programmed operator settings (VLAN, OMCI profiles, TR-069 ACS URL).		
2	Support GPON standard ONT interoperable with any OLT	Fully ITU-T G.984 (ITU-T G.984.1, G.984.2, G.984.3, G.984.4)		
3	Upstream 1.25 Gbps & Downstream 2.5 Gbps			
4	Flash GPON	64 MB NAND		
5	RAM GPON	64 MB		
6	Need ONT devices which work only on 2.4 Ghz WiFi (Single Band)			
7	WiFi Specifications of ONT	In-built Wi-Fi support as per IEEE 802.11 a/b/g/n		
8	WAN Link Specifications	10/100/1000M Base-T		
		DHCP Dymamic IP / Static IP / PPPoE		
		Server, Client, DHCP client list		
		Address Reservation		

		1 x GPON port		
9	LAN Specifications	2x RJ45 LAN (1 * GE + 1*FE)		
10	Support IP	IPv4, IPv6 802.1Q (VLAN tagging), 802.1ad (QinQ, Stacked VLANs)		
11	Support VLAN	Support VLAN number till 4094		
12	Device Management	TR-069, TR181 Http, Telnet, SSH etc		
13	LED Indicators	Power, PON, WAN, LAN etc		
14	Environment	Operating Temperature: 0 C to 45 deg C Operating Humidity: 70% Storage Humidity: 90%		
15	Certification	MTCTE certification (TEC) – covering safety, EMC, RoHS, and technical specs. RoHS compliance (environmental requirement). ITSAR compliance (security assurance under NSDTS). Proper labeling compliance (per Indian law).		
16	Optional	RJ11 (Voice)		
17	Functional and technical requirement of ONT shall comply with	TEC/GR/FA/PON-002/02/NOV-18 with all amendments		
18	ONT Launch Optical Power	0.5dBm to 5.0dBm		
19	ONT Receiver Sensitivity	≤ -28 dBm		
20	Optical Input Overload	≥ -8 dBm		
21	MDI/MDIX auto-sensing and auto-negotiation			
22	Antenna gain	5dBi		

23	The primary power source for the ONTs shall be	Input 100-240V AC, 50/60Hz Output:12V DC +/- 5%, 1A/1.5A. The ONT adapter shall be designed to have protection against Power Transient, Surge and blow-outs. The ONT adapter shall be BIS approved"		
24	ONT Power module needed Dying gasp support functionality			
25	Reset button (recessed)			
26	Option to change MTU size			
27	The ONT shall have on/off switch.			
28	The ONT shall be compact, table top or wall mountable			
29	Tanfinet logo in the GUI as well in Physical unit			
30	Compliance to DOT Policy of Make in India with class 1 Supplier and Land Border clause of Govt of India			
31	The ONT shall support TR-069 (CWMP) management protocol and TR-143 diagnostics, enabling the call centre to remotely initiate ping, traceroute, speed tests, latency checks, dying gasp and performance diagnostics without end-user intervention. The test results shall be retrievable via ACS interface or API.			
32	Through TR-069 ONT should enable the call centre to remotely Get device information (serial, firmware, uptime, etc.), Change configurations remotely, Reboot or reset devices			

6.13.1.2 Appendix – 11.1.b Single Band ONT Device (Type 2) Specification Compliance

#	Type of Specification	Specification Requirement	Compliance (Yes/No)	Remarks
1	ONT devices to be locked so they only work with TANFINET network.	For this OEM should provide custom firmware builds to TANFINET. This firmware should hide configuration menus, restrict CLI /WEB /SSH access, force pre-programmed operator settings (VLAN, OMCI profiles, TR-069 ACS URL).		
2	Support GPON standard ONT interoperable with any OLT	Fully ITU-T G.984 (ITU-T G.984.1, G.984.2, G.984.3, G.984.4)		
3	Upstream 1.25 Gbps & Downstream 2.5 Gbps			
4	Flash GPON	128 MB NAND		
5	RAM GPON	128 MB		
6	Need ONT devices which work only on 2.4 Ghz WiFi (Single Band)			
7	WiFi Specifications of ONT	In-built Wi-Fi support as per IEEE 802.11 a/b/g/n		
8	WAN Link Specifications	10/100/1000M Base-T DHCP Dymamic IP / Static IP / PPPoE Server, Client, DHCP client list Address Reservation 1 x GPON port		
9	LAN Specifications	2x RJ45 LAN (1 * GE + 1*FE)		
10	Support IP	IPv4, IPv6 802.1Q (VLAN tagging), 802.1ad (QinQ, Stacked VLANs)		

11	Support VLAN	Support VLAN number till 4094		
12	Device Management	TR-069, TR181 Http, Telnet, SSH etc		
13	LED Indicators	Power, PON, WAN, LAN etc		
14	Environment	Operating Temperature: 0 C to 45 deg C Operating Humidity: 70% Storage Humidity: 90%		
15	Certification	MTCTE certification (TEC) – covering safety, EMC, RoHS, and technical specs. RoHS compliance (environmental requirement). ITSAR compliance (security assurance under NSDTS). Proper labeling compliance (per Indian law).		
16	Optional	RJ11 (Voice)		
17	Functional and technical requirement of ONT shall comply with	TEC/GR/FA/PON-002/02/NOV-18 with all amendments		
18	ONT Launch Optical Power	0.5dBm to 5.0dBm		
19	ONT Receiver Sensitivity	≤ -28 dBm		
20	Optical Input Overload	≥ -8 dBm		
21	MDI/MDIX auto-sensing and auto-negotiation			
22	Antenna gain	5dBi		
23	The primary power source for the ONTs shall be	Input 100-240V AC, 50/60Hz Output:12V DC +/- 5%, 1A/1.5A. The ONT adapter shall be designed to have protection against Power Transient, Surge and blow-outs. The ONT adapter shall be BIS approved"		
24	ONT Power module needed Dying gasp support functionality			
25	Reset button (recessed)			

26	Option to change MTU size		
27	The ONT shall have on/off switch.		
28	The ONT shall be compact, table top or wall mountable		
29	Tanfinet logo in the GUI as well in Physical unit		
30	Compliance to DOT Policy of Make in India with class 1 Supplier and Land Border clause of Govt of India		
31	The ONT shall support TR-069 (CWMP) management protocol and TR-143 diagnostics, enabling the call centre to remotely initiate ping, traceroute, speed tests, latency checks, dying gasp and performance diagnostics without end-user intervention. The test results shall be retrievable via ACS interface or API.		
32	Through TR-069 ONT should enable the call centre to remotely Get device information (serial, firmware, uptime, etc.), Change configurations remotely, Reboot or reset devices		

6.13.1.3 Appendix – 11.1.c Single Band ONT Device (Type 3) Specification Compliance

#	Type of Specification	Specification Requirement	Compliance (Yes/No)	Remarks
1	ONT devices to be locked so they only work with TANFINET network.	For this OEM should provide custom firmware builds to TANFINET. This firmware should hide configuration menus, restrict CLI /WEB /SSH access, force pre-programmed operator settings (VLAN, OMCI profiles, TR-069 ACS URL).		
2	Support GPON standard ONT interoperable with any OLT	Fully ITU-T G.984 (ITU-T G.984.1, G.984.2, G.984.3, G.984.4)		
3	Upstream 1.25 Gbps & Downstream 2.5 Gbps			

4	Flash GPON	16 MB NAND		
5	RAM GPON	16 MB		
6	Need ONT devices which work only on 2.4 Ghz WiFi (Single Band)			
7	WiFi Specifications of ONT	In-built Wi-Fi support as per IEEE 802.11 a/b/g/n		
8	WAN Link Specifications	10/100/1000M Base-T		
		DHCP Dymamic IP / Static IP / PPPoE		
		Server, Client, DHCP client list		
		Address Reservation		
		1 x GPON port		
9	LAN Specifications	2x RJ45 LAN (1 * GE + 1*FE)		
10	Support IP	IPv4, IPv6		
		802.1Q (VLAN tagging), 802.1ad (QinQ, Stacked VLANs)		
11	Support VLAN	Support VLAN number till 4094		
12	Device Management	TR-069, TR181 Http, Telnet, SSH etc		
13	LED Indicators	Power, PON, WAN, LAN etc		
14	Environment	Operating Temperature: 0 C to 45 deg C		
		Operating Humidity: 70%		
		Storage Humidity: 90%		
15	Certification	MTCTE certification (TEC) – covering safety, EMC, RoHS, and technical specs. RoHS compliance (environmental requirement). ITSAR compliance (security assurance under NSDTS). Proper labeling compliance (per Indian law).		
16	Optional	RJ11 (Voice)		

17	Functional and technical requirement of ONT shall comply with	TEC/GR/FA/PON-002/02/NOV-18 with all amendments		
18	ONT Launch Optical Power	0.5dBm to 5.0dBm		
19	ONT Receiver Sensitivity	≤ -28 dBm		
20	Optical Input Overload	≥ -8 dBm		
21	MDI/MDIX auto-sensing and auto-negotiation			
22	Antenna gain	5dBi		
23	The primary power source for the ONTs shall be	Input 100-240V AC, 50/60Hz Output:12V DC +/- 5%, 1A/1.5A. The ONT adapter shall be designed to have protection against Power Transient, Surge and blow-outs. The ONT adapter shall be BIS approved"		
24	ONT Power module needed Dying gasp support functionality			
25	Reset button (recessed)			
26	Option to change MTU size			
27	The ONT shall have on/off switch.			
28	The ONT shall be compact, table top or wall mountable			
29	Tanfinet logo in the GUI as well in Physical unit			
30	Compliance to DOT Policy of Make in India with class 1 Supplier and Land Border clause of Govt of India			
31	The ONT shall support TR-069 (CWMP) management protocol and TR-143 diagnostics, enabling the call centre to remotely initiate ping, traceroute, speed tests, latency checks, dying gasp and performance diagnostics without end-user intervention. The test results shall be retrievable via ACS interface or API.			
32	Through TR-069 ONT should enable the call centre to remotely Get device information (serial, firmware, uptime, etc.), Change configurations remotely, Reboot or reset devices			

6.13.1.4 Appendix – 11.1.d Dual Band ONT Device (Type1) Specification Compliance

#	Type of Specification	Specification Requirement	Compliance (Yes/No)	Remarks
1	ONT devices to be locked so they only work with TANFINET network.	For this OEM should provide custom firmware builds to TANFINET. This firmware should hide configuration menus, restrict CLI /WEB /SSH access, force pre-programmed operator settings (VLAN, OMCI profiles, TR-069 ACS URL).		
2	Support GPON standard ONT interoperable with any OLT	Fully ITU-T G.984 (ITU-T G.984.1, G.984.2, G.984.3, G.984.4)		
3	Upstream 1.25 Gbps & Downstream 2.5 Gbps			
4	Flash GPON	128 MB NAND		
5	RAM GPON	128 MB		
6	Need ONT devices which work only on 2.4 Ghz & 5 Ghz WiFi (Dual Band)			
7	WiFi Specifications of ONT	In-built Wi-Fi support as per IEEE 802.11 a/b/g/n/ac		
8	WAN Link Specifications	10/100/1000M Base-T		
		DHCP Dymamic IP / Static IP / PPPoE		
		Server, Client, DHCP client list		
		Address Reservation		

		1 x GPON port		
9	LAN Specifications	2x RJ45 LAN (2 * GE with auto negotiation)		
10	Support IP	IPv4, IPv6 802.1Q (VLAN tagging), 802.1ad (QinQ, Stacked VLANs)		
11	Support VLAN	Support VLAN number till 4094		
12	Device Management	TR-069, TR181 Http, Telnet, SSH etc		
13	LED Indicators	Power, PON, WAN, LAN etc		
14	Environment	Operating Temperature: 0 C to 50 deg C Operating Humidity: 70% Storage Humidity: 90%		
15	Certification	MTCTE certification (TEC) – covering safety, EMC, RoHS, and technical specs. RoHS compliance (environmental requirement). ITSAR compliance (security assurance under NSDTS). Proper labeling compliance (per Indian law).		
16	Optional	RJ11 (Voice)		
17	Functional and technical requirement of ONT shall comply with	TEC/GR/FA/PON-002/02/NOV-18 with all amendments		
18	ONT Launch Optical Power	0.5dBm to 5.0dBm		
19	ONT Receiver Sensitivity	≤ -28 dBm		
20	Optical Input Overload	≥ -8 dBm		
21	MDI/MDIX auto-sensing and auto-negotiation			
22	Antenna gain	5dBi		

23	The primary power source for the ONTs shall be	Input 100-240V AC, 50/60Hz Output:12V DC +/- 5%, 1A/1.5A. The ONT adapter shall be designed to have protection against Power Transient, Surge and blow-outs. The ONT adapter shall be BIS approved"		
24	ONT Power module needed Dying gasp support functionality			
25	Reset button (recessed)			
26	Option to change MTU size			
27	The ONT shall have on/off switch.			
28	The ONT shall be compact, table top or wall mountable			
29	Tanfinet logo in the GUI as well in Physical unit			
30	Compliance to DOT Policy of Make in India with class 1 Supplier and Land Border clause of Govt of India			
31	ONT should handle both multicast and unicast traffic types simultaneously.			
32	The ONT shall support TR-069 (CWMP) management protocol and TR-143 diagnostics, enabling the call centre to remotely initiate ping, traceroute, speed tests, latency checks, dying gasp and performance diagnostics without end-user intervention. The test results shall be retrievable via ACS interface or API.			
33	Through TR-069 ONT should enable the call centre to remotely Get device information (serial, firmware, uptime, etc.), Change configurations remotely, Reboot or reset devices			

Appendix – 11.1.e Dual Band ONT Device *(Type2)* Specification Compliance

#	Type of Specification	Specification Requirement	Compliance (Yes/No)	Remarks
1	ONT devices to be locked so they only work with TANFINET network.	For this OEM should provide custom firmware builds to TANFINET. This firmware should hide configuration menus, restrict CLI /WEB /SSH access, force pre-programmed operator settings (VLAN, OMCI profiles, TR-069 ACS URL).		
2	Support GPON standard ONT interoperable with any OLT	Fully ITU-T G.984 (ITU-T G.984.1, G.984.2, G.984.3, G.984.4)		
3	Upstream 1.25 Gbps & Downstream 2.5 Gbps			
4	Flash GPON	256 MB NAND		
5	RAM GPON	256 MB		
6	Need ONT devices which work on 2.4 Ghz & 5 Ghz WiFi (Dual Band)			
7	WiFi Specifications of ONT	In-built Wi-Fi support as per IEEE 802.11 a/b/g/n/ac		
8	WAN Link Specifications	10/100/1000M Base-T DHCP Dymamic IP / Static IP / PPPoE Server, Client, DHCP client list Address Reservation 1 x GPON port		
9	LAN Specifications	2x RJ45 LAN (2 X 1G ports with auto negotiation)		
10	Support IP	IPv4, IPv6 802.1Q (VLAN tagging), 802.1ad (QinQ, Stacked VLANs)		

11	Support VLAN	Support VLAN number till 4094		
12	Device Management	TR-069, TR181 Http, Telnet, SSH etc		
13	LED Indicators	Power, PON, WAN, LAN etc		
14	Environment	Operating Temperature: 0 C to 50 Deg C Operating Humidity: 70% Storage Humidity: 90%		
15	Certification	MTCTE certification (TEC) – covering safety, EMC, RoHS, and technical specs. RoHS compliance (environmental requirement). ITSAR compliance (security assurance under NSDTS). Proper labeling compliance (per Indian law).		
16	Optional	RJ11 (Voice)		
17	Functional and technical requirement of ONT shall **certified to comply** with	TEC/GR/FA/PON-002/02/NOV-18 with all amendments		
18	ONT Launch Optical Power	0.5dBm to 5.0dBm		
19	ONT Receiver Sensitivity	≤ -28 dBm		
20	Optical Input Overload	≥ -8 dBm		
21	MDI/MDIX auto-sensing and auto-negotiation			
22	Antenna gain	5dBi		
23	The primary power source for the ONTs shall be	Input 100-240V AC, 50/60Hz Output:12V DC +/- 5%, 1A/1.5A. The ONT adapter shall be designed to have protection against Power Transient, Surge and blow-outs. The ONT adapter shall be BIS approved"		
24	ONT Power module needed Dying gasp support functionality			
25	Reset button (recessed)			

26	Option to change MTU size		
27	The ONT shall have on/off switch.		
28	The ONT shall be compact, table top or wall mountable		
29	Tanfinet logo in the GUI as well in Physical unit		
30	Compliance to DOT Policy of Make in India with class 1 Supplier and Land Border clause of Govt of India		
31	ONT should handle both multicast and unicast traffic types simultaneously.		
32	The ONT shall support TR-069 (CWMP) management protocol and TR-143 diagnostics, enabling the call center to remotely initiate ping, traceroute, speed tests, latency checks, dying gasp and performance diagnostics without end-user intervention. The test results shall be retrievable via ACS interface or API.		
33	Through TR-069 ONT should enable the call center to remotely Get device information (serial, firmware, uptime, etc.), Change configurations remotely, Reboot or reset devices		

Appendix – 11.1.f Triple Play Dual Band ONT Device Specification Compliance

#	Type of Specification	Specification Requirement	Compliance (Yes/No)	Remarks
1	ONT devices to be locked so they only work with TANFINET network.	For this OEM should provide custom firmware builds to TANFINET. This firmware should hide configuration menus, restrict CLI /WEB /SSH access, force pre-programmed operator settings (VLAN, OMCI profiles, TR-069 ACS URL).		
2	Support GPON standard ONT interoperable with any OLT	Fully ITU-T G.984 (ITU-T G.984.1, G.984.2, G.984.3, G.984.4)		

3	Upstream 1.25 Gbps & Downstream 2.5 Gbps			
4	Flash GPON	256 MB NAND		
5	RAM GPON	256 MB		
6	Need ONT devices which work only on 2.4 Ghz & 5 Ghz WiFi (Dual Band)			
7	WiFi Specifications of ONT	IEEE 802.11 a/b/g/n/ac, Dual Band, WPA2/WPA3, MU-MIMO, Beamforming		
8	WAN Link Specifications	1 × GPON Port (SC/APC Connector)		
9	LAN Specifications	Minimum 4 × 10/100/1000 Mbps RJ45 Gigabit Ethernet Ports with Auto Negotiation		
10	Support IP	IPv4 and IPv6 Dual Stack		
11	Voice (Triple Play) Support	Minimum 1 × RJ11 FXS Port for SIP/VoIP Services		
12	IPTV Support	IGMP v2/v3 Snooping, IGMP Proxy, Multicast VLAN Support		
13	Support VLAN	IEEE 802.1Q VLAN Tagging, IEEE 802.1ad QinQ, Support VLAN IDs up to 4094		
14	Device Management	TR-069, TR-181, HTTP/HTTPS, Telnet, SSH, OMCI		
15	QoS Support	802.1p, DSCP, Traffic Prioritization, Rate Limiting		
16	Security	WPA2/WPA3, Firewall, MAC Filtering, DoS Protection		
17	LED Indicators	Power, PON, LOS, Internet, LAN, Wi-Fi 2.4G, Wi-Fi 5G, Voice		
18	Environment	Operating Temperature: 0 C to 50 Deg C Operating Humidity: Up to 90% Non-Condensing Storage Humidity: Up to 95% Non-Condensing		
19	Certification	MTCTE (TEC), RoHS, EMC, Safety, ITSAR Compliance		
20	Functional and technical requirement of ONT shall **certified to comply** with	TEC/GR/FA/PON-002/02/NOV-18 and latest amendments		

21	ONT Launch Optical Power	0.5dBm to 5.0dBm		
22	ONT Receiver Sensitivity	≤ -28 dBm		
23	Optical Input Overload	≥ -8 dBm		
24	Voice Protocol	SIP v2, G.711A/U, G.729		
25	MDI/MDIX auto-sensing and auto-negotiation			
26	Antenna gain	5dBi		
27	The primary power source for the ONTs shall be	Input 100-240V AC, 50/60Hz Output:12V DC +/- 5%, 1A/1.5A. The ONT adapter shall be designed to have protection against Power Transient, Surge and blow-outs. The ONT adapter shall be BIS approved"		
28	ONT Power module needed Dying gasp support functionality			
29	Triple Play Support	Simultaneous Internet, Voice (VoIP), and IPTV services over a single GPON connection		
30	Reset button (recessed)			
31	Option to change MTU size			
32	The ONT shall have on/off switch.			
33	The ONT shall be compact, table top or wall mountable			
34	Tanfinet logo in the GUI as well in Physical unit			
35	Compliance to DOT Policy of Make in India with class 1 Supplier and Land Border clause of Govt of India			
36	ONT should handle both multicast and unicast traffic types simultaneously.			
37	The ONT shall support TR-069 (CWMP) management protocol and TR-143 diagnostics, enabling the call center to remotely initiate ping, traceroute, speed tests, latency checks, dying gasp and performance diagnostics without end-user intervention. The test results shall be retrievable via ACS interface or API.			

38	Through TR-069 ONT should enable the call center to remotely Get device information (serial, firmware, uptime, etc.), Change configurations remotely, Reboot or reset devices		

6.13.2 Appendix – 11.2 Declaration of Technical Specification Deviations & Justification

Date: DD/MM/2025

To,

The Managing Director,
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:

6.13.3 Appendix – 11.3 Manufacturer Authorization Form (MAF)

Date: DD/MM/2025

To,

The Managing Director,
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 TANFINET 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.

6.14 Undertaking for Certificate of Registration as per GFR Rule

Pace and Date:

To

The Managing Director,

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_024_ONT

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.*

6.15 Appendix – 11: Technical Bid

6.15.1 Appendix 11.1: Technical Bid Compliance Matrix

S. No.	Qualification Criteria Type	Pre-Qualification Criteria	Documentary Proof to be submitted	Compliance (Yes/No)	Reference in the proposal
1	**Legal Entity (Bidder)**	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)**	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)**	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 / Purchase 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 / Purchase Orders/ work completion certificate shall be submitted.		

S. No.	Qualification Criteria Type	Pre-Qualification Criteria	Documentary Proof to be submitted	Compliance (Yes/No)	Reference in the proposal
5	**Sales Turnover**	Bidder should have an average Annual Turnover of **Rs. 100 Crores** or above in the last three successive Audited Financial years. (2022-23, 2023-24, 2024-25)	Copies of the Audited Annual Reports containing the Balance sheets, Profit and Loss account for the last 3 Audited Financial years (2022-23, 2023-24, 2024-25) shall be submitted.		
6	**Presence in Chennai**	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**	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**	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/	Undertaking letter for Blacklisting shall be submitted by the Bidder in the format in Appendix 7.		

S. No.	Qualification Criteria Type	Pre-Qualification Criteria	Documentary Proof to be submitted	Compliance (Yes/No)	Reference in the proposal
		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.			
9	**General Technical Experience**	**For General Bidders:** The tenderer must have successfully completed any of the following during last 05 (Five) years, ending last day of month previous to the one in which tender is invited: One similar work# each costing not less than the amount equal to 60% of advertised value of the tender, or Two similar works# each costing not less than the amount equal to 40% of advertised value of the tender, or Three similar works# each costing not less than the amount equal to 30% of advertised value of the tender**.** **Note:** Completion of work	Completion certificates with Satisfactory working and value of the work completed from the User Organizations is required to be submitted. In case of substantially completed work, certificate from user for bidder share regarding total value of bidders share of work and value of completed work (minimum 80% of total value of bidders share of work) is required to be submitted. Purchase order copy in this regard may also be submitted. Past Experience		

S. No.	Qualification Criteria Type	Pre-Qualification Criteria	Documentary Proof to be submitted	Compliance (Yes/No)	Reference in the proposal
		should fall in the above period. The bidder shall also furnish work completion/ substantial work completion certificate issued by customer/s for the Purchase Orders/ Purchase Orders. Substantial completion shall be 80% (value wise) or more works completed under the contract. For contracts under which bidder participated as a Joint Venture member or sub-contractor, only the bidder's share, by value, shall be considered to meet this requirement. # Similar Work: Projects of Telecom Transmission Network / Data Network / Broadband Network in Government / PSUs / Telecom Service Providers network/ISP Network/ Public listed company. Note: Work experience certificate issued by Public listed company having	details to be attached with Bid. (The set of documents submitted should clearly certify eligibility criteria and should be verifiable from the user/customer)		

S. No.	Qualification Criteria Type	Pre-Qualification Criteria	Documentary Proof to be submitted	Compliance (Yes/No)	Reference in the proposal
		average annual turnover of Rs 500 Cr and above in last 3 financial years excluding the current financial year, listed on National Stock Exchange or Bombay Stock Exchange, incorporated/registered at least 5 years prior to the date of opening of tender, shall also be considered provided the work experience certificate has been issued by a person authorized by the Public listed company to issue such certificates.			
10	**Satisfactory Performance**	The Equipment offered by the OEM or equipment/software of the same series/family from the same OEM should have been satisfactorily working in Government/PSUs/Telecom Service Providers/ Public Listed Company for at least 12 months as on date of opening of tender, in India. Work experience certificate issued by Public listed company having average annual	Satisfactory Working certificate from End User clearly mentioning the make & model number of the offered Hardware. An undertaking by the OEM has to be submitted in support, in case issued satisfactory working certificate is the immediate predecessor of same series/family of the offered Hardware.		

S. No.	Qualification Criteria Type	Pre-Qualification Criteria	Documentary Proof to be submitted	Compliance (Yes/No)	Reference in the proposal
		turnover of Rs 500 Cr and above in last 3 financial years excluding the current financial year, listed on National Stock Exchange or Bombay Stock Exchange or any global stock exchange, incorporated/registered at least 5 years prior to the date of opening of tender, shall also be considered provided the work experience certificate has been issued by a person authorized by the Public listed company to issue such certificates.			
11	**Work Experience**	OEM should have supplied the equipment offered or equipment/software of the same series/family at least 35% of the tendered value during last preceding 3 financial years (i.e. current year and three previous financial years) as on opening date of bid to Government/PSUs /Telecom Service Providers / Public Listed Company in India or Abroad or 35% of their offered equipment cost by	OEM should submit self-certificate with proper contact detail of clients along with PO reference and amount supplied (Details of purchaser Organization - Firm Name, Firm Address, Name of Contact person, Designation, Telephone Number, Fax, Official mail id etc.). The self-certificate by OEM shall		

S. No.	Qualification Criteria Type	Pre-Qualification Criteria	Documentary Proof to be submitted	Compliance (Yes/No)	Reference in the proposal
		OEM against SOR. Work experience certificate issued by Public listed company having average annual turnover of Rs 500 Cr and above in last 3 financial years excluding the current financial year, listed on National Stock Exchange or Bombay Stock Exchange *or any global stock exchange,* incorporated / registered at least 5 years prior to the date of opening of tender, shall also be considered provided the work experience certificate has been issued by a person authorized by the Public listed company to issue such certificates. Note: For Startups*(recognized by Department of Industrial policy and promotion, Ministry of Commerce and Industry) only 1/3 of value as mentioned above is required.	mention that the supplied equipments/software are of same series/family or its immediate predecessor. TANFINET reserves the right to verify PO reference and amount supplied from Purchaser Organization. POs issued in the name of Successful Bidder / Empaneled Agencies/Vendor are also acceptable. For required amount, multiple POs in favour of OEM's Successful Bidder / Empaneled Agencies/Vendor s are also acceptable.		
12	**General Eligibility**	a) Undertaking by OEM on their respective letter Heads b) OEM should	Self- Declaration by the OEMs on Company's letter head for Point- A. Refer section 6.14.9		

S. No.	Qualification Criteria Type	Pre-Qualification Criteria	Documentary Proof to be submitted	Compliance (Yes/No)	Reference in the proposal
		have proven facilities for Engineering, manufacture, assembly, integration, testing and basic facilities with respect to space, Personnel, Test equipment, Training, Logistic Supports for at least past three years in the country from where the proposed equipment are planned to be supplied. In any case OEM is should be in India. c) OEM should not have been black-listed currently by Central Govt./ State Govt./ CPSU in India or anywhere globally by Government for security reasons. d) Hardware and Software supplied by OEM should not have any malicious code. e) The OEM shall ensure that Intellectual Property Rights of Hardware (including MAC address) and Source Code of Software must not reside in any Country that shares a Land Border with India. Moreover, OEM must ensure that they are			

S. No.	Qualification Criteria Type	Pre-Qualification Criteria	Documentary Proof to be submitted	Compliance (Yes/No)	Reference in the proposal
		not getting 3rd party manufacturing from any Country that shares a Land Border with India. Note: OEM's from country that shares a Land Border with India are allowed to offer their products provided OEM's is registered with DPIIT.			
13	**Trusted Telecom Portal registration**	The OEM should be registered on Trusted Telecom Portal	Self- Declaration by the OEMs on Company's letter head Refer Section 6.14.10 for template		
14	**Proof of Concept and Solution Demonstration**	Minimum of 5 sample products of both variants needs to setup in TANFINET network and demonstrated for successful operations	Live Demonstration		
15	**Compliance to GFR**	Bidder shall submit self-declaration certificate for c compliance as land border purchases as mandated GoI, in Appendix	Self- Declaration by the OEMs on Company's letter head Refer Section 6.13 for template		
16	**Declaration that bidder is not submitted any other bid for this tender either in the capacity of OEM / vendor**	Bidder shall submit self-declaration certificate that bidder has not submitted any other bid for this tender	Self- Declaration by the OEMs on Company's letter head Refer Section 6.14.11 for template		

6.15.2 TEC Legal Entity (Bidder) # 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	

6.15.3 TEC Past experience # 4

S. No.	Description	Criteria	Details	Compliance (Yes / No)	Page No. reference in the proposal	Page No. reference in the respective Purchase Order / Client Certificate
1	***Name of the project***					
2	***Name of the client***					
3	***Purchase 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	*Supply, Installation and commissioning of IT / Telecom devices*	Conditional scope				

*Note:

- The scope of services should be clearly highlighted in the Purchase 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

6.15.4 TEC Sales Turnover # 5

S. No.	Year	Annual Turnover from Supply, Installation and commissioning of IT/Telecom	Page No. reference to the supporting document
1	2024-25		
2	2023-24		
3	2022-23		

Note:

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

6.15.5 TEC General Technical Experience #9

Sl. No.	Name of Work / Project	Client / Organisation Name	Nature of Work	Project Value (Rs.)	Bidder's Share (if JV/Sub-contractor)	Date of Commencement	Date of Completion / Substantial Completion	% of Work Completed	Page No. reference in the respective Purchase Order / Client Certificate/ Purchase order	Compliance with criteria (Yes/No)
1										
2										
3										

Note:

1. *Substantial Completion* shall mean **80% or more (value-wise)** work completed under the contract.
2. For contracts executed as part of a **Joint Venture** or as a **Sub-contractor**, only the **bidder's share by value** shall be considered for eligibility.
3. Completion certificates / substantial completion certificates issued by the **customer / client organisation** must be enclosed for each project listed.
4. All submitted certificates shall clearly indicate the **nature of work**, **value of contract**, **completion date**, and **contact details of issuing authority**.
5. Work experience certificate issuing public listed company to have an average annual turnover of Rs. 500 Crores or above in the last three financial years (excluding the current financial year).
6. The End user organization is listed on NSE or BSE, and
7. The End user organization was incorporated / registered at least 5 years prior to the date of tender opening.
8. The certificate is issued by a person authorised by the Public Listed Company to issue such certificates.

6.15.6 TEC Satisfactory Performance #10

Sl. No.	Make & Model of Equipment / Software	Name of End User / Organisation	Type of Organisation (Govt/PSU/ TSP/PLC)	Date of Commissioning / Installation	Period of Satisfactory Operation (Months)	Customer Certificate Reference No. & Date	Certificate Issued By (Designation)	Remarks (Same Series / Family / Predecessor Model)
1								
2								
3								

Note:

1. The **Satisfactory Working Certificate** issued by the **End User** must clearly mention the **Make and Model Number** of the offered hardware/software and in working condition for at least 12 months as on date of opening of tender, in India.
2. Certificates shall be on the **letterhead of the End User Organisation** and **signed by an authorised official** with designation and contact details.
3. Work experience certificate issuing Public listed company to have an average annual turnover of Rs. 500 Crores or above in the last three financial years (excluding the current financial year).
4. The End user organization is listed on NSE or BSE, and
5. The End user organization was incorporated / registered at least 5 years prior to the date of tender opening.
6. The certificate is issued by a person authorised by the Public Listed Company to issue such certificates.
7. Copies of the certificates shall be **attached to this annexure**.

6.15.7 TEC Work Experience #11

Sl. No.	Purchase Order (PO) / Contract Reference No. & Date	Client / Purchaser Organisation	Client Category (Govt/ PSU/TSP/PLC)	Description of Equipment / Software Supplied	Make & Model / Series / Family	PO Value (INR)	Value Supplied (INR)	Supply Completion Date	Country (India/ Abroad)	Compliance (Yes/No)
1										
2										
3										

Note:

1. The OEM shall submit a **self-certificate** confirming that the above information is correct and the equipment/software supplied is of the **same series/family or immediate predecessor** of the offered equipment.
2. TANFINET reserves the right to **verify the PO references and supply amounts** directly with the Purchaser Organisations.
3. **Multiple POs** issued in favor of the OEM or its **Successful Bidder / Empaneled Agencies/Vendor s** shall be acceptable for meeting the required value.

6.15.8 TEC Purchaser Organization Details #11

Sl. No.	Purchaser / Organization Name	Address	Contact Person Name	Designation	Telephone / Mobile No.	Email ID	Fax (if any)
1							
2							

1. Work experience certificate issuing Public listed company to have an average annual turnover of Rs. 500 Crores or above in the last three financial years (excluding the current financial year).
2. The End user organization is listed on NSE or BSE, and
3. The End user organization was incorporated / registered at least 5 years prior to the date of tender opening.
4. The certificate is issued by a person authorised by the Public Listed Company to issue such certificates.

6.15.9 TEC General Eligibility #12

SELF-DECLARATION / UNDERTAKING BY OEM

(To be submitted on OEM's official letterhead)

To

The Managing Director,
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 Eligibility and Security Conditions
Tender Reference No.: NIT_TANFINET_024_ONT
Name of Work: Selection of OEM/Vendor for the Supply of Single & Dual Band Optical Network Terminals (ONTs) along with 3 years of replacement warranty

Sir/Madam,

With reference to the above-mentioned tender, we, **M/s** _____, having our registered office at _____, hereby submit the following self-declaration and undertaking:

a) OEM Confirmation

We confirm that we are the **Original Equipment Manufacturer (OEM)** of the proposed equipment and hereby submit this undertaking on our official letterhead.

b) Facilities and Capabilities

We confirm that our organisation has **proven facilities** for **engineering, manufacturing, assembly, integration, testing**, and possesses adequate **infrastructure, space, qualified personnel, test equipment, training and logistics support facilities** for at least the **past three (3) years** in the country from where the proposed equipment is planned to be supplied.
We further confirm that the **OEM is established and operating in India.**

c) Declaration on Security and Integrity of Hardware / Software

We hereby undertake that the **hardware and software** supplied by us **do not contain any malicious code, malware, spyware, or backdoor** that could compromise network integrity, data confidentiality, or system security.

d) Declaration on Intellectual Property Rights (IPR) and Country of Origin

We further declare that the **Intellectual Property Rights (IPR)** of the supplied hardware (including **MAC address**) and **software source code do not reside in, nor are controlled by, any country that shares a land border with India.** We also confirm that the **OEM is not engaged in any third-party manufacturing** from any such country.

Note: OEMs from countries sharing a land border with India are permitted to offer their products **only if registered with the Department for Promotion of Industry and Internal Trade (DPIIT)**, Government of India, and a valid registration certificate shall be furnished.

We certify that the above statements are true and correct to the best of our knowledge and belief. We understand that any misrepresentation or suppression of facts shall lead to rejection of our bid and may attract penal action as per applicable laws.

Authorised Signatory: _____
Name: _____
Designation: _____
Date: _____
Place: _____
Seal of OEM: _____

6.15.10 TEC Trusted Telecom Portal registration #13

SELF-DECLARATION BY OEM – TRUSTED TELECOM PORTAL REGISTRATION

(To be submitted on OEM's official letterhead)

To

The Managing Director,
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_024_ONT
Name of Work: Selection of OEM/Vendor for the Supply of Single & Dual Band Optical Network Terminals (ONTs) along with 3 years of replacement warranty

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.

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: _____

6.15.11 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 OEM's official letterhead)

To

The Managing Director,
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_024_ONT_Proc

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: _____

6.15.12 Format of Consortium Agreement to be entered amongst all members of a bidding Consortium

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

This Consortium Agreement (hereinafter referred to as "Agreement") executed on this _____ [date] day of_____[month], _____ [year] between:

M/s. _____ a Company incorporated under the Act/Laws of_____ and having its Registered/Head office at_____ (hereinafter called the "Lead Member" which expression shall include its successors, executors and permitted assigns);

And

M/s. _____ a Company incorporated under the Act/Laws of _____and having its Registered/Head _____office at _____ (hereinafter called the "Consortium Member 1" which expression shall include its successors, executors and permitted assigns)

And

M/s_____ a incorporated under the Act/Laws _____ of and having its Registered/Head office at _____ (hereinafter called the "Consortium Member 2" which expression shall include its successors, executors and permitted assigns)for the purpose of submitting the Bid in response to the Tender TENDER NOTICE No. _____(hereinafter referred to as the "Tender"), and in the event of selection of Bidding Consortium as the Project Implementing Consortium to comply with the requirements as specified in the Tender and ensure execution of the Tender's Scope of Work as may be required to be entered into with M/s. Tamil Nadu FibreNet Corporation Limited.

In consideration of the selection of the Consortium as the winning Consortium by M/s.Tamil Nadu FibreNet Corporation Limited, we the Members of the Consortium and Parties to the Consortium Agreement do hereby unequivocally agree that M/s._____ [Insert name of the Lead Member], shall act as the Lead Member for self and agent for and on behalf of M/s._____and M/s._____[the names of all the other Members of the Consortium to be filled in here].

WHEREAS any capitalized term in this Agreement shall have the meaning ascribed to such term in the Tender document

NOW THEREFORE, THIS INDENTURE WITNESSTH AS UNDER:

In consideration of the above premises and agreement all the members of this Consortium do hereby mutually agree as follows:

1. It is hereby agreed that the Lead Member shall submit the Proposal including any negotiated proposal and sign the Contract with M/s. Tamil Nadu FibreNet Corporation Limited, on behalf of all members
2. It is hereby agreed that the Lead Member is hereby authorized by the Members of Consortium to bind the Consortium and receive instructions for and on behalf of all Members.
3. It is hereby agreed that the Lead Member shall have the majority stake in the Project; stake being calculated from the detailed roles and responsibilities defined for the Consortium and as declared in the Proposal.
4. It is hereby agreed that the Lead Member shall be liable and responsible for ensuring the individual and collective commitment of each of the Members of the Consortium in discharging all their respective Roles and Responsibilities. Each Consortium Member further undertakes to be individually liable for the performance of its part of the Roles and Responsibilities without in any way limiting the scope of collective liability envisaged in this Agreement in order to meet the requirements and obligations of the Tender.
5. It is hereby agreed that the Lead Member is authorized and shall be fully responsible for the accuracy and veracity of the representations and information submitted by the Consortium Members respectively from time to time in response to the Tender for the purposes of the Bid.
6. It is hereby agreed that in case of any breach of any of the commitment as specified under this Agreement by any of the Consortium Members, the Lead Member of the Consortium shall be liable to meet the obligations under the Contract.
7. Except as specified in the Agreement, it is agreed that sharing of responsibilities as aforesaid and obligations thereto shall not in any way be a limitation of responsibility of the Lead Member under these presents.
8. This Consortium Agreement shall be construed and interpreted in accordance with the Laws of India and Courts at Chennai alone shall have the exclusive jurisdiction in all matters relating thereto and arising there under.
9. It is hereby agreed that the Lead Member shall furnish the Bid

Security, as stipulated in the Tender, on behalf of the Bidding Consortium.

10. It is hereby agreed that in case of selection of Bidding Consortium as the Successful Bidder, the Parties to this Consortium Agreement do hereby agree that they shall furnish the Performance Guarantee and other commitments to M/s. Tamil Nadu FibreNet Corporation Limited as stipulated in the Tender. The Lead Member shall be responsible for ensuring the submission of the Performance Guarantee and other commitments on behalf of all the Consortium Members.

11. It is further expressly agreed that the Consortium Agreement shall be irrevocable and shall remain valid over the term of the Project, unless expressly agreed to the contrary M/s. Tamil Nadu FibreNet Corporation Limited.

12. It is hereby expressly agreed between the Members to this Consortium Agreement that neither Member shall assign or delegate or subcontract its rights, duties or obligations under this Agreement except with prior written consent of M/s. Tamil Nadu FibreNet Corporation Limited.

13. It is hereby expressly agreed that Agreement is applicable to this Contract executed out of this TENDER and shall be binding on Consortium Members for the Contract Period.

14. This Consortium Agreement:

    a. has been duly executed and delivered on behalf of each member hereto and constitutes the legal, valid, binding and enforceable obligation of each such member;
    b. sets forth the entire understanding of the members hereto with respect to the subject matter hereof; and
    c. may not be amended or modified except in writing signed by each of the members and with prior written consent of M/s. Tamil Nadu FibreNet Corporation Limited.

IN WITNESS WHEREOF, the Members to the Consortium Agreement have, through M/s.Tamil Nadu FibreNet Corporation Limited, executed these presents and affixed common seals of their respective companies on the Day, Month and Year first mentioned above.

1. For M/s……. (Lead Member of Consortium)
   [Signature of Authorized Representative]
   [Name of Authorized Representative] [Designation of Authorized Representative]

   Witness 1:

   [Signature of Witness 1] Name:
   Designation:

2. For M/s. …… (Consortium Member 1)
[Signature of Authorized Representative]
[Name of Authorized Representative] [Designation of Authorized Representative]

Witness 1:

[Signature of Witness 1]

Name:

Designation:

3.For M/s. …… (Consortium Member 2)
[Signature of Authorized Representative]
[Name of Authorized Representative] [Designation of Authorized Representative]

Witness 1:

[Signature of Witness 1]

Name:

Designation:

6.15.13 Format Integrity Pact

(To be submitted on the letterhead of Sole / Lead Bidder)

Between M/s. Tamil Nadu FibreNet Corporation Limited / hereinafter referred to as "The Principal" And _____hereinafter referred to as "The Bidder/Contractor"

Preamble

The Principal intends to award, under laid down organizational procedures, contract/s for _____. The Principal values full compliance with all relevant laws and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder(s) and Contractor/s. In order to achieve these goals, the Principal will appoint an Independent External Monitor who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1 – Commitments of the Principal

1. The Principal commits itself to take all measures necessary to prevent

Corruption and to observe the following principles: -

1. No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for him/herself or third person, any material or Immaterial benefit which he/she is not legally entitled to.
2. The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.
3. The Principal will exclude from the process all known prejudiced persons.

2. If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the relevant Anti-Corruption Laws of India, or if there be a substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions.

Section 2 – Commitments of the Bidder(s)/Contractor(s)

1. The Bidder(s)/Contractor(s) commits itself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.
   a. Thee Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or immaterial benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
   b. The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
   c. The Bidder(s)/Contractor(s) will not commit any offence under the relevant Anti-corruption Laws of India; further the Bidder(s)/Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
   d. The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
2. The Bidder(s)/Contractor(s) will not instigate third persons to commit

offences outlined above or be an accessory to such offences.

Section 3 – Disqualification from tender process and exclusion from future contracts

If the Bidder(s)/Contractor(s), before contract award or during execution has committed a transgression through a violation of Section 2, above or in any other form such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s)/Contractor(s) from the tender process or take action as per the defined procedure.

Section 4 – Compensation for Damages

1) If the Principal has disqualified the Bidder(s) from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover the damages equivalent to Earnest Money Deposit / Bid Security.

2) If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to section 3, the Principal shall be entitled to demand and recover from the Contractor the amount equivalent to Security Deposit / Performance Bank Guarantee in addition to any other penalties/ recoveries as per terms and conditions of the tender.

Section 5 – Previous transgression

1. The Bidder declares that no previous transgression occurred in the last 3 years with any other Company in any country conforming to the Anti-corruption approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.
2. If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or action can be taken as per the defined procedure.

Section 6 – Equal treatment of all Bidders/Contractors/Subcontractors

1) The principal will enter into agreements with identical conditions as this one with all Bidders/Contractors.
2) The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact.
3) The Principal will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

Section 7 – Criminal charges against violating Bidder(s)/Contractor(s)/ Subcontractor(s)

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor, which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Corporate Vigilance Office.

Section 8 – Pact Duration

This Pact begins when both parties have legally signed it. It expires for the

Contractor 12 months after the last payment under the contract, and for all other Bidders 6 months after the contract has been awarded. If any claim is made/lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/determined by MD, M/s. Tamil Nadu FibreNet Corporation Limited

Section 9 – Other provisions

1) This agreement is subject to Indian Law. Place of performance and jurisdiction is the Registered Office of the Principal, i.e. Chennai. The arbitration clause provided in the tender document / contract shall not be applicable for any issue/dispute arising under Integrity Pact.
2) Changes and supplements as well as termination notices need to be made in writing.
3) If the Contractor is a partnership or a consortium, this agreement must be, signed by all partners or consortium members.
4) Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intensions.

For the Principal	For the Bidder/Contractor
Place:	Witness1:
Date:	Witness 2: