

Bid Corrigendum

GEM/2026/B/8000275-C5

Following terms and conditions supersede all existing "Buyer added Bid Specific Terms and conditions" given in the bid document or any previous corrigendum. Prospective bidders are advised to bid as per following Terms and Conditions:

Buyer Added Bid Specific Additional Terms and Conditions

1. **OPTION CLAUSE:** The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity up to 25% of the contracted quantity during the currency of the contract at the contracted rates. The delivery period of quantity shall commence from the last date of original delivery order and in cases where option clause is exercised during the extended delivery period the additional time shall commence from the last date of extended delivery period. The additional delivery time shall be $(\text{Increased quantity} \div \text{Original quantity}) \times \text{Original delivery period (in days)}$, subject to minimum of 30 days. If the original delivery period is less than 30 days, the additional time equals the original delivery period. The Purchaser may extend this calculated delivery duration up to the original delivery period while exercising the option clause. Bidders must comply with these terms.
2. Bidders can also submit the EMD with Payment online through RTGS / internet banking in Beneficiary name Director, ABV-IIITM, Gwalior
Account No.
945210110000969
IFSC Code
BKID0009462
Bank Name
Bank of India
Branch address
ABV-IIITM, Gwalior, Morena Link Road, Gwalior MP Pin-474015 Madhya Pradesh
.
Bidder to indicate bid number and name of bidding entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer along with bid.
3. Successful Bidder can submit the Performance Security in the form of Payment online through RTGS / internet banking also (besides PBG which is allowed as per GeM GTC). On-line payment shall be in Beneficiary name Director, ABV-IIITM, Gwalior
Account No.
945210110000969
IFSC Code
BKID0009462
Bank Name
Bank of India
Branch address
ABV-IIITM, Gwalior, Morena Link Road, Gwalior MP Pin-474015
.
Successful Bidder to indicate Contract number and name of Seller entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer in place of PBG within 15 days of award of contract.
4. Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)
5. Buyer uploaded ATC document [Click here to view the file.](#)
6. Buyer Added text based ATC clauses

CORRIGENDUM -1

BID NO: GEM/2026/B/8000275

(SITC AND MAINTENANCE OF GPON XPON BASED NETWORK

CONNECTIVITY AT ABVIITM CAMPUS)

1. Text based changes are as follows:

Sl. No.	Ref	Existing Entry	To be read as
1.	ATC page 1, 1. "PRE-QUALIFICATION / ELIGIBILITY CRITERIA " S/N-3, under column "Eligibility Criteria" and Pg 30 of the GeM bid document.	The bidder should have executed at least 3 similar projects covering a similar scope of work, in Central/State Government/PSU/Autonomous bodies/government subsidiaries/private academic institutions/Public listed companies or any government organization in India during the last five years. Also, at least one work should be of Supply, Installation, Testing, and Commissioning (SITC) of GPON/XPON based Network Installation with at least 128 ONT devices in at least one Government Academic Institution for which the offer is being made. The bidder should have minimum one work order value of Rs. 80 Lakh or two work orders of value Rs. 60 lakh each or three work orders of Rs. 40 lakh each in the last 7 financial years as on 31.03.2025 for GPON/XPON based network installation.	The bidder should have executed at least 3 similar projects covering a similar scope of work, in Central/State Government/PSU/Autonomous bodies/government subsidiaries/private academic institutions/Public listed companies or any government organization in India during the last five years. Also, at least one work should be of Supply, Installation, Testing, and Commissioning (SITC) of GPON/XPON based Network Installation with at least 128 ONT GPON/EPON/XPON SITC or a single work of SITC of atleast 128 Wifi Access Point OR atleast 128 number of 24 port (or more) network switch devices in at least one Government Academic Institution for which the offer is being made. The bidder should have minimum one work order value of Rs. 80 Lakh or two work orders of value Rs. 60 lakh each or three work orders of Rs. 40 lakh each in the last 7 financial years as on 31.03.2025 for GPON/XPON based network installation.
2.	ATC Page 15 and GeM Bid Document Pg 46, "ADDITIONAL REQUIREMENTS FOR ALL EQUIPMENT ", A. General Requirements, 6 th Bullet point	OLT, ONT and Network Switch should be from MII Class 1 (more than 50% local content) as per latest MII guidelines	{Deleted}

3.	ATC Pg 12 and GeM bid Pg 42 , ANNEXURE-B: DETAILED TECHNICAL SPECIFICATIONS, 1. XPON OLT (Optical Line Terminal) - Quantity: 01 A., Hardware Specifications	Console Port 1 × RJ45/USB Console Port	Console Port 1 × RJ45/USB Console Port OR RJ11 or Mini RJ11. Two console cables along with the supplied material
4.	ATC Pg 14 and GeM bid Pg 44 , GPON/EPON Wi-Fi 6 ONT, Hardware Specifications, C. Management & Advanced Features, Bullet point 2	Remote Management: OMCI, TR-069, TR-369, TR-098, TR-181, TR-111 , TR-143, ACS Integration	Remote Management: OMCI, TR-369/069 with or without backward compatibility with earlier standards like (TR-098, TR-181, TR-111, TR-143 ,) and ACS Integration.

2. The following format is to be uploaded with the bid, without which the technical bid will be considered non-responsive and may be rejected:

Form-1: Format for Self-Certification regarding Local Content (LC) for Telecom Product, Services or Works to be submitted on non-judicial stamp paper of the value Rs. 100/-

Date:

I _____ **S/o, D/o, W/o**, Resident of _____ do hereby solemnly affirm and declare as under:

That I agree to abide by the terms and conditions of Department of Telecommunications, Government of India issued vide Notification No: CG-DL-E-22102024-258138 Gazette Notification dated __ 21st Oct 2024 __.

That the information furnished hereinafter is correct to the best of my knowledge and belief and I undertake to produce relevant records before the procuring entity or any other authority so nominated by the Department of Telecommunications, Government of India for the purpose of assessing the LC.

That the LC for all inputs which constitute the said Telecom Product/Services/Works has been verified by me and I am responsible for the correctness of the claims made herein.

That in the event of the LC of the Telecom Product/Services/Works mentioned herein is found to be incorrect and not meeting the prescribed LC norms, based on the assessment of an authority so nominated by the Department of Telecommunications, Government of India, **I and my Statutory auditor or cost auditor (if applicable) will be liable for actions as specified in Clause (9) of the DPIIT PPP-MII Order**

r dated 19.07.2024 for all incorrect/false facts and figures.

I agree to maintain detailed breakup / information (separately for each product) to substantiate my claim for LC in the Company's record for a period of 2 years and shall make this available for verification to any authority. I shall also maintain records of local content pertaining to items bought from other domestic manufacturers / traders.

[Please provide following information]

- i. Name and details of the local supplier (Registered Office, Manufacturing unit location, nature of legal entity)
- ii. Date on which this certificate is issued
- iii. Telecom Product/Services/Works for which the certificate is produced
- iv. Procuring agency to whom the certificate is furnished
- v. Percentage of LC claimed
- vi. Name and contact details of the unit of the manufacturer
- vii. Sale Price of the product
- viii. Ex-Factory Price of the product
- ix. Freight, insurance and handling
- x. Total Bill of Material
- xi. List and total cost value of inputs used for manufacture of the Telecom product/Services/Works
- xii. List and total cost of inputs which are locally sourced. Please attach LC certificates from local suppliers if the input is not produced in-house.
- xiii. List and cost of inputs which are imported, directly or indirectly

I hereby certify that, having read all the provisions of the above order and principles / basis of calculations, the local content calculation does not include the following :

- a. Imported items sourced locally from resellers/distributors.
- b. The license fees / royalties paid/ technical charges paid out of India
- c. Procurement / supply of repackaged / refurbished/rebranded imported products

3. **All other terms and conditions remain the same.**

-----End of Corrigendum - 01-----

At page number 10 of this Bid Document the name of the material '**2U Chassis Based 16 Port XPON OLT With 16x10G XPON GPON Ports Class**' may kindly be read as "**1x16 Port OR 2x8 Port XPON OLT with 16x10G XPON/GPON ports, Class C+ optical modules (12 nos. of modules loaded)**".

Atal Bihari Vajpayee Indian Institute of Information Technology and Management, Gwalior- 474015 (M.P.)

NOTICE INVITING TENDER

FOR THE SUPPLY, INSTALLATION, CONFIGURATION, TESTING, COMMISSIONING, AND MAINTENANCE OF GPON/XPON-BASED NETWORK CONNECTIVITY AT ABV-IIITM CAMPUS

ABV-Indian Institute of Information Technology and Management (IIITM) Gwalior is an Institute of National Importance as per the IIIT Act of the Government of India. It is a Centrally Funded Technical Institute fully funded by the Ministry of Education, Government of India.

The Institute invites bids for the Supply, Installation, Testing, Commissioning, and Maintenance of GPON/XPON-based Network Connectivity at ABV-IIITM Campus. The selected vendor (Bidder/OEM) shall be responsible for delivering a fully functional, securely configured, and integrated GPON/XPON network system along with its associated components, onsite warranty and maintenance services for hardware and software-related support for THREE (03) Years from the date of successful commissioning of the products.

The Institute reserves the right to accept or reject any or all the Bids/Tenders without assigning any reason.

PRE-QUALIFICATION / ELIGIBILITY CRITERIA

S/N	Eligibility Criteria	Attachments
1.	The Bidder should be an established Networking solution provider and should have been engaged in similar IT projects/solutions business for a period of at least 3 years as on the last date of submission of the technical bid.	Certificate of incorporation and address proof of the registered office. Purchase order or work order for each of the last three financial years should be attached.
2.	The bidder should have at least Rs. 40 lakh average turnover per year from the last 3 financial years. (i.e. 2022-23, 2023-24, 2024-25)	CA Certified turnover statement for the last three financial years as on 31.03.2025 shall be attached along with the bid.

3.	The bidder should have executed at least 3 similar projects covering a similar scope of work, in Central/State Government/PSU/Autonomous bodies/government subsidiaries/private academic institutions/Public listed companies or any government organization in India during the last	A copy of the purchase orders and installation reports shall be submitted OR a letter of completion of the project should be submitted. The document
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	five years. Also, at least one work should be of Supply, Installation, Testing, and Commissioning (SITC) of GPON/XPON based Network Installation with at least 128 ONT devices in at least one Government Academic Institution for which the offer is being made. The bidder should have minimum one work order value of Rs. 80 Lakh or two work orders of value Rs. 60 lakh each or three work orders of Rs. 40 lakh each in the last 7 financial years as on 31.03.2025 for GPON/XPON based network installation.	should clearly mention the make, model, and capacity of the installed equipment, should be self-sufficient, and should have been issued by the client.
4.	The Bidder and the OEM shall not be banned/blacklisted/defaulted by any State or Central Government/any other Government institutions in India, for any reason during the last 5 years from the submission of the Bid. A declaration is required to be submitted by the bidders on their company letterhead, duly signed by the authorized signatory of the company.	Declaration as per attached Form - one each from OEM and the Vendor.
5.	Manufacturer Authorization Form or Registered/Authorized Partner Certificate from the OEM of the OLT, ONT/ONU, Network Switch, and NMS/Controller.	Copies of MAF or Registered/Authorized Partner Certificate from OEM. The authenticity of the MAF may be verified by the institute.
6.	The vendor should have a GPON/XPON support team with proven credentials working under their payroll. The vendor should have engaged at least 2 such employees certified by the OEM for the products being offered. The OEM certificate issued to the employee should be attached with the bid.	OEM issued Certificate of each team member.
7.	Detailed Technical Proposal showing the understanding of the scope of work along with the statement of capabilities to execute the work order in a timely manner. The Proposal must include Data sheets of each item as quoted by the vendor.	Detailed technical proposal along with Network Diagram showing the GPON/XPON architecture, fiber routing plan, and the product brochure of the Quoted equipment. The datasheets should be highlighted to show compliance with the technical requirements.

Note:

- All the details and the supportive documents for the above-mentioned clauses should be uploaded in the bid.
- Exemption clauses as per the GeM GTC/rules/norms are applicable.
- EMD (Earnest Money Deposit): Bidders must submit EMD as per GeM norms in the form of Demand Draft in favor of Director, ABV-IIITM Gwalior.

SCOPE OF WORK FOR SUPPLY

- 2.1. The bidder/OEM shall furnish equipment (OLT, ONT/ONU, Network Switches, Fiber Optic Cables, and associated accessories) as specified in accordance with the Schedule of Requirements provided in Annexure-A and the Technical Specifications detailed in Annexure-B.
- 2.2. All equipment supplied must be brand new, fully functional, and operable, conforming to the specifications and requirements of this tender. No refurbished, used, or end-of-life products will be accepted.
- 2.3. The bidder/OEM shall be responsible for the supply, delivery, installation, testing, commissioning, and basic user handover of all systems at the locations specified by ABV-IIITM Gwalior.
- 2.4. The work shall be executed on a turnkey basis, which means that all components, modules, licenses, accessories, and necessary items for making the GPON/XPON network fully operational and integrated shall be supplied and installed within the quoted price. If any device needs a license for basic operation, such licenses should be provided on perpetual basis from the date of installation, and the institute will not pay any extra cost to the OEM or to the vendor for this.
- 2.5. If at the time of installation, it is found that additional hardware/software/licenses or other components are required for the complete configuration, which were not originally listed in the deliverables/BOM, the vendor shall supply the same at no additional cost.
- 2.6. In the event that any equipment is damaged during installation or handling at the site, the vendor shall be solely responsible for replacing the damaged hardware with a new, identical unit at no additional cost to the Institute.
- 2.7. All items supplied under this tender—including OLT, ONT/ONU, Network Switches, and associated accessories—shall carry a comprehensive onsite warranty for a period of THREE (03) years from the date of successful installation and acceptance by the institute.
- 2.8. During the warranty period, the vendor shall provide full technical support including day-to-day troubleshooting, upgrades, and configuration assistance. A certified engineer must visit the institute quarterly for preventive maintenance for the entire 3-year support period.
- 2.9. The vendor must ensure that all required components are integrated and configured correctly. This includes but is not limited to GPON/XPON setup, OLT configuration, ONT provisioning, fiber terminations, and interface with existing network infrastructure.
- 2.10. The vendor shall provide relevant documents including OEM warranty certificate, license keys, passwords, activation details, installation checklist, fiber route documentation, and hardware serial number list at the time of delivery and acceptance.
- 2.11. The OEM must provide an undertaking that the quoted product will not be declared End-of-Life (EoL) or End-of-Support (EoS) for at least 3 years from the last date of bid submission.
- 2.12. If during the warranty period, any product reaches EoL or EoS and OEM recommends a replacement, the vendor must supply an equivalent or higher-spec device with continued warranty under the same terms and conditions.
- 2.13. If the device becomes incompatible with the latest firmware or software versions, the OEM/Vendor must replace it with an equivalent or better hardware unit at no additional cost to the institute.

2.14. The vendor shall provide all hardware and software upgrades, updates, and patches during the warranty and support period at no additional cost.

SCOPE OF WORK FOR INSTALLATION AND COMMISSIONING

3.1. The bidder/OEM shall carry out installation and commissioning of the supplied GPON/XPON network systems at the designated site within the specified time frame.

3.2. The bidder/OEM shall maintain the cleanliness of the site and ensure the removal of all packaging and installation waste from the work site.

3.3. All required tools and materials for installation shall be arranged by the bidder/OEM at their own cost.

3.4. Any damage caused to the property of ABV-IIITM while executing the job shall be solely the Bidder/OEM/Vendor's responsibility. In case any damage occurs, the same will be recovered from the Bidder/OEM/Vendor. No extra cost shall be paid for such reasons.

3.5. The bidder/OEM shall install and configure the OLT, ONT/ONU devices, switches, and fiber optic network with proper terminations, splicing, testing, logging, and integration with authentication servers as applicable.

3.6. The installation and configuration should be made in accordance with the requirements of IIITM Gwalior and ensuring that it is seamlessly integrated with the existing network environment of the institute.

3.7. The vendor shall provide commissioning and integration support for THREE (03) years. Any software, hardware, or configuration issues during this period must be addressed without additional cost. Testing and commissioning reports with OTDR test results must be submitted after successful installation.

3.8. The appliances and accessories must be installed and configured as per the Technical Specifications prescribed in this bid document or as per the requirements communicated to the vendor at the time of installation and commissioning.

3.9. The vendor must provide an escalation matrix with contact details for both OEM and themselves to be used during installation and commissioning.

3.10. The vendor should provide Onsite training sessions for the IT team of IIITM Gwalior on the operation, configuration, and management of the GPON/XPON system, ensuring the training covers advanced troubleshooting, OLT/ONT management, and best practices for network operations.

3.11. The vendor should provide training materials and user manuals for future reference.

3.12. The vendor should deliver comprehensive documentation, including: a) Installation and configuration reports b) Fiber route documentation and as-built drawings c) Network topology and settings d) OTDR test results e) UAT results f) Training materials.

INSPECTION AND TESTING

4.1. All systems shall be tested for functional verification including OTDR testing of all fiber links in the presence of institute representatives.

4.2. The successful bidder shall be responsible for obtaining the installation and commissioning certificate.

te (sign-off) upon completion of the work, in accordance with the scope of work and technical requirements.

4.3. The successful bidder shall be responsible for rectification of discrepancies identified by the TPA/authorized representative while conducting Site Acceptance Testing (SAT). After rectification, SAT will be re-conducted or signed off.

4.4. The comprehensive warranty and OEM support shall commence only after successful installation and formal acceptance by the institute.

4.5. During the warranty period, the bidder shall maintain the systems and repair or replace all defective components at the installation site, free of cost. The replacement must be of the same make and model, or of higher specifications certified by the OEM, if the original is not available. As far as possible, onsite resolution must be attempted.

SELECTION CRITERIA OF OEM

5.1. The OEM must have its own registered office in India for at least the past 3 years, as of the date of bid submission.

5.2. All products quoted must be listed on the official global website of the OEM and all the technical specifications of the product should be verifiable on the official website of the OEM.

5.3. The bid must include a Manufacturer Authorization Form or a Registered/Authorized Partner Certificate from the OEM.

5.4. All declarations must be certified by the OEM/Bidder through their registered office in India.

MAINTENANCE OF SERVICES

6.1. The bidder shall ensure repair/replacement of all faulty hardware material within 05 working days for the items/features not amounting to downtime and 01 working day for items/features amounting to downtime. Penalties may be imposed for non-compliance.

6.2. If any device experiences continuous failure (e.g., three or more times in a month), the vendor shall replace the faulty unit at no extra cost.

6.3. Failed hard disks or storage media shall be retained by the institute. Replacement media must be provided by the vendor without additional charges.

6.4. Vendor shall be fully responsible for importing and supplying any spares necessary for maintaining uptime. This includes all firmware and software updates during the warranty.

6.5. The vendor must quote equipment with 24x7 support and an 8-hour response time SLA. A local support engineer (preferably in Gwalior) shall be designated for on-site support calls.

6.6. The vendor should conduct periodic health checks and performance reviews.

6.7. Ensure compliance with all applicable cybersecurity standards and organizational policies.

6.8. The vendor should support the institute in implementing the existing network security guidelines from CERT-IN, Ministry of Electronics and Information Technology, or any other government agency.

INSTRUCTIONS TO BIDDERS

7.1. The Bidder is advised to visit and examine the site(s) where the facilities are to be installed and its surroundings and obtain for itself on its own responsibility and cost all information that may be necessary for preparing the bid and entering into a contract for the supply and installation of the facilities. The costs of visiting the site shall be at the Bidder's own expense.

7.2. Proposed Locations: Residential Campus in Pocket A and B, ABV-IIITM Gwalior- 474010. Contact Person: Purchase, ABV-IIITM Gwalior (Contact No.: +91-0751-2449816)

7.3. Consortium/Joint Venture (JV) is not allowed to participate in this bid.

7.4. The supply, installation, testing, and commissioning must be completed within 90 days from the date of the confirmed purchase order. Bidders must confirm acceptance of this schedule in the Technical Bid.

7.5. The bidder must ensure warranty support and services are available at the delivery site. Contact details of the escalation matrix must be provided.

7.6. All quoted items must be OEM-supported and backed by comprehensive licenses and updates for the duration of the warranty.

7.7. The successful bidder shall, within 15 days from the date of award of the contract, furnish a Performance Bank Guarantee (PBG) for faithful performance of the contract. The Contract Performance Guarantee shall be 5% of the contract value and shall be valid till completion of the warranty period plus 90 days.

PENALTY CLAUSE

8.1. Penalties for Delay in Delivery and Installation:

If the bidder fails to deliver and install the equipment within the specified time, a penalty of 0.5% of the contract value shall be levied per week of delay as Liquidated Damages (LD), up to a maximum of 10% of the total contract value.

8.2. Delay in excess of 6 weeks may lead to contract termination, and the Performance Bank Guarantee and/or EMD may be forfeited.

8.3. If any item is not supplied by the vendor, they shall bear the differential cost incurred by the institute in procuring the item.

8.4. For delays caused by ABV-IIITM or its units, no penalty will be imposed.

8.5. Operational/Warranty Period Penalties:

The following terms of service during the warranty period are applicable on the successful bidder:

- a) During the warranty, failure to resolve any software/feature/configuration-related complaint within 48 hours will attract penalties as follows: Rs. 500/- per day for network equipment/configuration/feature etc.
- b) If unresolved beyond 7 days, the penalty escalates to 150% (8th–14th day), and 200% from the 15th day onward.
- c) Any hardware-related failure or any failure that amounts to downtime of the institute's network services, the following penalty will be levied on the bidder:
 - No penalties to be drawn up to 48 hours after reporting the failure.
 - .

8.6. All such penalties would be deducted from any Bill/PBG/EMD/Security Deposit available with ABV-IIITM Gwalior.

8.7. During the period of contract, if the successful Bidder/Seller fails to perform and/or rectify any defect pointed out to them, the same shall be done by IIITM Gwalior at the risk and cost of Bidder/Seller and recovered from the Security Deposit/PBG or any other amount payable to the Bidder/Seller.

PAYMENT TERMS

9.1. No advance payment(s) will be made in any case.

9.2. Payment will be made on successful delivery and UAT of all equipment and systems on submission of the original Bill/Invoice by the Service Provider.

9.3. Payment will be made as follows:

- a) 90% Payment will be made within 45 days of successful delivery, installation, Testing, & Commissioning of all the products as per the Scope of Work and acceptance by the institute.
- b) 10% at the end of the three year after satisfactory service.

9.4. The payment to the service provider would be made as per the agreed rates on production of all undisputed requisite documents/certificates along with the original bill.

9.5. Payment will be made after deducting TDS, Penalty etc. as applicable and reflected in the respective payment. The penalty, if any, shall be deducted from the PBG and/or balance payment due. The performance bank guarantee will be released, post-deposit of any penalty due to the Vendor.

9.6. There would be no increase in rates payable to the Bidder during the Contract period, except for any change in applicable GST.

9.7. Failure of the successful Bidder to comply with the above requirement of submission of PBG shall constitute sufficient grounds for the annulment of the award and forfeiture of the EMD/PBG. The Contractor shall be fully responsible for all matters arising out of the Performance of the Contract and shall, at their own expense, comply with all laws/acts/enactments/orders/regulations/obligations whatsoever of the Government of India, State Government, Local Body and any Statutory Authority.

METHOD OF EVALUATION OF TECHNICAL BIDS

10.1. Bidder must fulfill the Pre-Qualification criteria and must individually provide the Pre-Qualification documents as documentary evidence. Proposals will be evaluated by a designated personnel/committee duly appointed by the Competent Authority of the institute.

10.2. The institute has the right to appoint any individual/organization as an expert member of this committee as long as the particular person does not have any conflict of interest in the bidding/evaluation process.

10.3. The institute also has the right to share the contents of the proposals or bids with the experts or consultants appointed for the purpose of evaluation of the bids, as the case may be.

10.4. The institute reserves the right to call any/all bidder(s) and/or OEM(s) for performing POC (Proof of Concept) for any or all of the technical compliance that has been shown "complied"/"partially complied" in the technical compliance sheet. Failure to demonstrate the overall performance or any of the compliance parameters will result in rejection of the technical bid.

10.5. The institute also reserves the right to relax any parameter or to accept any partially complied technical parameters.

10.6. All the documents submitted against the bid should stand correct and valid at the time of this evaluation. Any deviation in the documents submitted must be explicitly brought to the notice of the institute.

10.7. The result of the technical evaluation carried out by IIITM Gwalior shall be final in all aspects.

PREMATURE TERMINATION OF CONTRACT

11.1. During the entire period of the contract, if at any point of time, Bidder fails to deliver the services as per the scope of work, due to any lapse/reason, Owner reserves the right to terminate the contract in full/partial by giving one (01) month advance notice for restoration of service/fault to the bidder and after one month Owner can terminate the contract if issue is still not resolved by the bidder by giving one-month notice of cancellation.

11.2. Owner also reserves the right to terminate the contract placed on the selected bidder in the following circumstances:

- The selected bidder commits a breach of any of the terms and conditions of the bid.
- If the bidder/OEM is unable to resolve any hardware/software/service-related issue for more than 1 month.
- If the Bidder becomes insolvent or goes into liquidation or receivership, whether compulsory or voluntary.
- If the Bidder, in the judgment of Owner, has engaged in corrupt or fraudulent practices in competing for or in executing this Contract.
- If the Bidder submits to Owner a false statement that has a material effect on the rights, obligations or interests of Owner.
- If the Bidder places itself in position of conflict of interest or fails to disclose promptly any conflict of interest to Owner.
- The progress made by the selected bidder is found to be unsatisfactory.
- Any offer falling short of the contract validity period is liable for rejection.

11.3. In case of termination/cancellation of the order, the Bidder will not be entitled to recover from Owner any amount by way of damages, loss or otherwise.

11.4. The decision of the Director, ABV-IIITM Gwalior, as to whether any of the events/contingencies mentioned in the previously mentioned clauses entitling the institute to terminate the contract has occurred shall be final and binding upon the bidder.

FORCE MAJEURE

12.1. The right of the bidder to proceed with the work shall not be terminated because of any delay in the completion of the work due to unforeseeable causes beyond the control and without the fault or negligence of the contractor, including but not limited to acts of god, or of the public enemy, acts of the Government in its sovereign capacity, fires, floods, epidemics, pandemics, quarantine restrictions, strikes, freight embargoes, restraints of a sovereign state, or unusually severe weather conditions.

ARBITRATION

13.1. Any claim, dispute, or difference arising out of or in connection with this agreement and which cannot be settled by mutual consultations shall be referred to sole Arbitration or an Arbitrator to be appointed by mutual consultations. The award of the Arbitrator shall be final and binding between the parties as

per the terms and conditions of the Agreement to be executed on the award of the contract.

13.2. Notwithstanding any dispute between the parties, the agency shall not be entitled to withhold, delay, or defer its obligation under the contract, and the same shall be carried out strictly in accordance with the terms and conditions of the contract. Neither party shall be entitled to suspend the works, and payments to the Bidder shall continue to be made as provided by the contract.

13.3. The Arbitration proceeding shall be governed by the Arbitration and Conciliation Act, 1996, and shall be conducted in Madhya Pradesh.

13.4. Arbitration proceedings shall be held at Gwalior and the language of the arbitration proceedings and that of all documents and communications between the parties shall be English.

13.5. All arbitration awards shall be in writing and shall state the reasons for the award.

13.6. Penalty/Liquidated Damages shall not fall under the Arbitration clause.

AMENDMENT OF BIDDING DOCUMENTS

14.1. At any time prior to the deadline for submission of bids, the institute may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, amend the Bidding Documents.

14.2. These amendments will be notified by a corrigendum on the GeM portal/official website. Bidders are required to immediately acknowledge receipt of any such amendment, and it will be assumed that the information contained therein will have been taken into account by the Bidder in its bid.

14.3. In order to afford a reasonable time to the prospective Bidders to take the amendment into account in preparing their bid, the institute may, at its discretion, extend the deadline for the submission of bids.

TERMS AND CONDITIONS FOR SUBMISSION OF BIDS

15.1. The tender should be valid for a period of six Months (06 Months) from the date of opening of the tender.

15.2. All the tenders/Bids must be accompanied by the required security (EMD) as mentioned in tender document in the form of Demand Draft in favor of Director, ABV-IIITM Gwalior.

15.3. The competent authority of the Institute has every right to extend the due date of tender if so required but all the Bids/tenders will be opened together.

15.4. Deduction of T.D.S will be made as per Government rules.

15.5. Bids/Tenders deviating from above terms and Conditions will be rejected straight away without assigning any reason thereof.

15.6. All disputes are subject to the Jurisdiction of Gwalior court only.

15.7. The Institute has all right to reject any or all quotations/Tenders without assigning any reason.

15.8 Any query or representation regarding the bid or its process has to be made on the GeM portal. No other mode of communication, including letters and emails, will be entertained.

BID DOCUMENTS CHECKLIST

S.No	Eligibility Criteria	Documents Required	Page No.
1	Established Networking solution provider for at least 3 years	Certificate of incorporation address proof and work order or purchase order for each one of the last 3 financial years	
2	Average turnover of Rs. 40 lakh for last 3 financial years	CA Certified turnover statement	
3	3 similar projects + 1 GPON project with work orders as specified	Purchase orders and completion letters	
4	Not blacklisted/banned declaration	Declarations from OEM and Vendor	
5	Manufacturer Authorization Form	MAF for OLT, ONT, Switch, NMS	
6	GPON support team with 2 OEM-certified employees	OEM certificates of team members	
7	Detailed Technical Proposal with network diagram	Technical proposal, datasheets, GPON architecture	
8	OEM Office in India for 3+ years	Certificate of incorporation of OEM	
09	OEM Technical Specifications compliance	OEM stamped and signed Annexure-B	
10	PAN Card	Copy of PAN	
11	GST Registration	GST Registration Certificate	

Note:

- Any missing document may lead to rejection of the bid.

ANNEXURE-A: SCHEDULE OF REQUIREMENTS

S/No	Item Description	Qty	UoM
1	1x16 Port OR 2x8 Port XPON OLT with 16x10G XPON/GPON ports, Class C+ optical modules (12 nos. of modules loaded)	01	Nos.
2	Compatible GPON/EPON Wi-Fi 6 ONT with 4xGbe LAN ports, 802.11ax based WiFi with accessories, Dual Band. OLT and ONT should be from the same OEM.	150	Nos
3	NMS/Controller Software Installation, Configuration, compatible with the supplied GPON/XPON system, and should support management of the supplied OLT and ONT. It should support monitoring/management of third-party ONTs.	1	Nos
4	Layer 3 Distribution Switch, 28 x 10G SFP+ Ports, removable fans, and Removable Dual Power Supply. Loaded with 8 LR SFP+ modules.	1	Nos
5	1:16 PLC Splitter Housed in UV resistant Fiber Distribution Enclosure (IP54) Loaded with 1:16 PLC Splitter Pre-Terminated with SC/APC Connectors and Adaptors, Splice Tray.	40	Nos
6	1:4 PLC Splitter Housed in Fiber Distribution Enclosure (IP54) Loaded with 1:4 PLC Splitter Pre-Terminated with SC/APC Connectors and Adaptors, Splice Tray.	6	Nos
7	2U 48 port LIU with Splice Tray, SC/APC Type Adaptors, Pigtail and Adaptor Plates -Type Metal and 24 Nos. of 3-meter LC-SC/APC Single Mode simplex Patch Cords, and 24 nos of 3-meter SC-SC/APC single mode duplex patch cords. The LIU acts as the fiber patch panel in the server room, cross-connecting the OLT to the backbone fiber.	1	Nos
8	Outdoor 3-way joint enclosure for 24-core OFC.	10	Nos
9	UV-resistant 24 Port, 4 way, outdoor wall mount fiber distribution box loaded with SC/APC pigtails, IP65 rating.	6	Nos
10	2-meter SC-SC/APC single-mode armored simplex patch cords, uniform thickness not more than 5 mm	24	Nos
11	1-meter SC-SC/APC single-mode armored simplex patch cords, uniform thickness not more than 5 mm.	24	Nos

12	24 core single mode armored fiber cable, steel tape strip armoring. Fully compliance with ITU-T-G.652.D, 12 cores in each loose tube. Tensile strength of minimum 2500 N.	5000	Mtr
13	6 core single mode armored fiber cable, steel tape strip armoring. Fully compliance with ITU-T-G.652.D, Tensile strength of minimum 2500 N.	1000	Mtr
14	2 core single-mode armored fiber cable, steel tape strip armoring. Fully compliance with ITU-T-G.652.D.	4000	Mtr
15	Supply of HDPE pipe 32 MM.	6000	Mtr
16	Supply of HDPE Duct Coupler and end plugs	100	nos
17	PVC channel/conduit UV-treated 25mm	2000	Mtr
18	SC/APC Pigtails	200	Nos
19	SC-SC/APC Patch Cords (3 Mtr)	200	Nos
20	Supply and installation of GI based Route Markers across the Fiber route.	200	Nos
21	Supply installation and fixing of 3 mtr octagonal pole with thickness 5 mm along with creation of 400 × 400 × 900 mm RCC foundation (M20).	5	Nos
22	2 core FTTH terminal box	150	Nos
23	Supply of a qualified technical manpower for 12 months along with all necessary tools for fixing of cable issues, hardware issues and troubleshooting installations or migrations. Manpower should be available at least 3 days every week or on the next day after a reported fault.	1	Nos

GPON Job Work (as per actual)

S/No	GPON Job Work (as per actual)	Qty	UoM
1	Digging and refilling of Soft Soil (300mmx300mm)	4000	Mtr
2	Digging and refilling of Hard Soil (300mmx300mm)	2000	Mtr
3	Laying of HDPE pipes in the approved and finalized route.	6000	Mtr

4	Laying of 24 core fiber optic cable in HDPE pipes	6000	Mtr
5	Laying of 2 core armored fiber optic cables on walls in PVC channel/conduit and inside the residential units.	2000	Mtr
6	Termination of 2 core fiber cable to FTTH terminal box on the wall.	128	Nos
7	Installation of route markers on the fiber path.	200	Nos
8	Fixing of outdoor fibre optic splitter enclosure and outdoor fibre optic distribution enclosure along with foundation/pole.	45	Nos

TESTING & COMMISSIONING

S.No	Description	Qty	Unit
1	OTDR Loss Testing of All Backbone Fiber Links and Splitter links	1	Job
2	Optical Power Measurement & Loss Report	1	Job
3	Submission of As-Built Drawings (AutoCAD & PDF), Onsite Training & Handover Documentation	1	Job

ANNEXURE-B: DETAILED TECHNICAL SPECIFICATIONS

NOTE: All technical specifications must be certified by the OEM on their official letterhead with stamp, signature, and contact details. Bidders must provide datasheets accessible via OEMs website highlighting compliance with each specification.

1. XPON OLT (Optical Line Terminal) - Quantity: 01

A. Hardware Specifications

Sl. No.	Parameter	Minimum Required Specification
1	PON Interfaces	16 × XGS-PON and GPON Combo Ports (Total)
2	Uplink Ports	Minimum 4 × 10G SFP+ Ports
3	Management	Dual redundant Management with 1 × RJ45 Out-of-Band Management Port
4	Console Port	1 × RJ45/USB Console Port
5	Alarm Port	1 × Alarm Interface Port
6	Power Supply	Dual Power Supply Support: AC or DC
7	Form Factor	19-inch Rack Mountable
8	Warranty	3 years comprehensive onsite warranty

B. PON Port Requirements

Sl. No.	Parameter	Minimum Requirement
1	Technology	GPON (ITU-T G.984.x) & XGS-PON (ITU-T G.9807.1)
2	Maximum Split Ratio (GPON)	Up to 1:128
3	Maximum Split Ratio (XPON)	Up to 1:256
4	Maximum Transmission Distance	20 km
5	GPON Data Rate	Downstream: 2.5 Gbps / Upstream: 1.25 Gbps
6	XPON Data Rate	Downstream: 9 Gbps / Upstream: 9 Gbps

C. Software & Functional Features

- Security Features: ACL Support, IEEE 802.1X Authentication, ARP Inspection, IP Source Guard
- DHCP Features: DHCP Server, DHCP Relay
- OMCI & ONU Management: Standard OMCI Management, ONU Auto Authentication, Rogue ON

- U Detection & Isolation
- Multi-Service & QoS: Traffic Identification & Rate Limiting, IEEE 802.1p / DSCP Based QoS, Voice VLAN, Auto VoIP
- Routing, Multicast Features: IGMP Snooping, MLD Snooping, Static Routing
- Centralized Management: Large-Scale Device Management, Batch Configuration, Batch Upgrade, Multi-Site Management, Intelligent Monitoring, Real-Time Network Overview

2. GPON/EPON Wi-Fi 6 ONT (Optical Network Terminal) - Quantity: 150

A. Hardware Specifications

Sl.	Parameter	Minimum Required Specification
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No.		
1	PON Interface	1 × GPON/EPON Port (SC/APC or equivalent)
2	WAN/LAN Port	1 × 10/100/1000 Mbps Auto-Negotiation WAN/LAN Port
3	LAN Ports	3 × 10/100/1000 Mbps Auto-Negotiation LAN Ports
4	Voice Port	1 × FXS Phone Port
5	USB Interface	1 × USB 2.0 Port
6	Buttons	WPS/Wi-Fi Button, Reset Button, Power On/Off Button
7	External Power Supply	12V DC, 1.5A Adapter
8	Antenna	4 × External Antennas
9	Mounting	Desktop / Wall Mount Should Support

B. Wireless Specifications

- Standards: IEEE 802.11a/n/ac/ax (5 GHz), IEEE 802.11b/g/n/ax (2.4 GHz)
- Frequency Bands: Dual Band (2.4 GHz & 5 GHz)
- Performance: 5 GHz up to 2400 Mbps (HE160), 2.4 GHz up to 500 Mbps (HE40)
- Channel Bandwidth: Support 20/40/80/160 MHz
- Features: Multi-SSID (Min 2 per band), WMM QoS, Fast Roaming (802.11k/v/r), EasyMesh Compatible
- Security: WPA, WPA2, WPA3, Client Isolation, MAC Filtering
- Transmission Power: 2.4 GHz ≤ 20 dBm, 5 GHz ≤ 23 dBm (Regulatory Compliant)

C. Management & Advanced Features

- Local Management: Web GUI, HTTPS Support
- Remote Management: OMCI, TR-069, TR-369, TR-098, TR-181, TR-111, TR-143, ACS Integration
- Network Features: DHCP Server/Client/Relay, Static Routing, DNS Relay, Dynamic DNS, IGMP v1/v2/v3
- Security Features: NAT Firewall, ACL, MAC/IP/URL Filtering, IP & MAC Binding, DoS Protection, SYN Flood Protection
- QoS: Hardware QoS, Flow Classification, Rate Limiting per Client/Service
- Port Forwarding: Virtual Server, Port Triggering, DMZ, ALG, UPnP
- VPN Pass-Through: PPTP, L2TP, IPSec
- Protocol Support: IPv4, IPv6, Dual Stack

3. Layer 3 Distribution Switch - Quantity: 01

Sl. No.	Parameter	Minimum Required Specification
1	Ports	28× 1/10G SFP+ Slots (8 SFP+ LR modules loaded)
2	Console & Management	1× USB 3.0 Port, 1× RJ45 Console Port
3	Fans	Four field-replaceable hot-swappable fans
4	Power Supply	Two field-replaceable hot-swappable redundant power supplies
5	Switching Capacity	Minimum 560 Gbps non-blocking
6	Packet Forwarding Rate	Minimum 500 Mpps
7	MAC Address Table	128K entries
8	Packet Buffer Memory	8 MB
9	Jumbo Frame	9 KB

10	Priority Queues	8 Queues with IEEE 802.1p, DSCP Priority
11	IP Interfaces	Minimum 256
12	Routing Protocols	RIP, RIPNG, OSPF, VRRP

13	ARP Entries	Minimum 16K
14	DHCP	DHCP Server, DHCP Relay
15	Security & Management	LAGG, STP, SNMP, 802.1X, Port-based authentication, VLAN assignment

4. NMS/Controller Software - Quantity: 01

A. Essential NMS/Controller Features

- Installation: On-premises installation (Virtual or Physical Appliance)
- Compatibility: Must support management of supplied OLT and all ONT devices
- Third-Party Support: Should support monitoring/management of third-party ONTs
- Device Discovery: Auto-discovery of OLT and ONT devices
- Configuration Management: Centralized configuration, batch configuration, template-based provisioning
- Monitoring: Real-time monitoring of OLT/ONT status, optical power levels, link status, bandwidth utilization
- Fault Management: Alarm monitoring, event logging, notification (email/SMS/SNMP trap)
- Performance Management: Historical data collection, trend analysis, capacity planning reports
- Topology View: Graphical network topology with OLT-ONT relationships
- User Management: Role-based access control (RBAC), multi-user support
- Reporting: Pre-defined and custom reports, scheduled report generation
- Database: Embedded or external database for storing configuration and historical data
- API: RESTful API for integration with other systems

5. ADDITIONAL REQUIREMENTS FOR ALL EQUIPMENT

A. General Requirements

- All products must be brand new, latest generation, and currently in production
- All equipment must be from the same OEM for OLT and ONT to ensure compatibility
- All products must be listed on the OEM's official global website with datasheets
- All equipment must be verifiable through OEM website and support channels
- No End-of-Life (EoL) or End-of-Support (EoS) declaration for at least 3 years from bid submission date
- OLT, ONT and Network Switch should be from MII Class 1 (more than 50% local content) as per latest MII guidelines.
- Any other extra works including accessories and low side works to be included in the price bid BoQ.
- All the device inter connectivity / compatibility and working should be ensured by the vendor before installation. The existing network and server room setup is open for visit during all working days between 10:00 AM to 6:00 PM. The vendor at their own risk and cost should make good of any s

shortcomings to commission the project successfully. The project should be considered as a Turn Key project.

B. Warranty Requirements

- Comprehensive onsite warranty: THREE (03) years from date of installation and acceptance
- Warranty must include: Hardware replacement, Software/Firmware updates, Configuration support, Technical support
- 24x7 Support with 8-hour response time SLA
- Quarterly preventive maintenance visits by certified engineer
- Local support engineer (preferably in Gwalior or Madhya Pradesh)

C. Compliance & Certifications

- ITU-T G.652.D compliance for all fiber optic cables
- ITU-T G.984.x (GPON) and G.9807.1 (XGS-PON) compliance
- IEEE 802.11ax (Wi-Fi 6) compliance for ONT devices
- IPv6 Ready Logo certification (preferred)
- CE, FCC, RoHS compliance
- Indian regulatory compliance (WPC, TEC as applicable)

D. Documentation Requirements

- Complete installation and configuration manuals
- User manuals and quick start guides
- As-built drawings in AutoCAD and PDF format
- OTDR test reports for all fiber links
- Optical power measurement reports
- Network topology documentation
- Training materials and presentations

COMPLIANCE DECLARATION:

The OEM must accept all technical specifications outlined in this Annexure-B by signing and stamping this document on their official letterhead containing contact information. Any deviation must be clearly mentioned and justified.

Note: The bidder must demonstrate all features through Proof of Concept (POC) if requested by the institute during technical evaluation. Failure to demonstrate will result in rejection of the bid.

7. Bidder Turn Over Criteria: The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3 year old, the

average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

8. **OEM Turn Over Criteria:** The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria. In case of bunch bids, the OEM of CATEGORY RELATED TO primary product having highest bid value should meet this criterion.
9. **Proof for Past Experience and Project Experience clause:** For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria: a. Contract copy along with Invoice(s) with self-certification by the bidder that service/supplies against the invoices have been executed. b. Execution certificate by client with contract value. c. Any other document in support of contract execution like Third Party Inspection release note, etc. **Proof for Past Experience and Project Experience clause:** For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria: a. Contract copy along with Invoice(s) with self-certification by the bidder that service/supplies against the invoices have been executed. b. Execution certificate by client with contract value. c. Any other document in support of contract execution like Third Party Inspection release note, etc.
10. After award of contract – Successful Bidder shall have to get Detailed Design Drawings approved from buyer before starting fabrication. Successful Bidder shall submit Detailed Design Drawings for Buyer's approval, within 10 days of award of contract. Buyer shall, either approve the drawings or will provide complete list of modification required in the drawings within 10 days. Seller shall be required to ensure supply as per approved Drawings with modifications as communicated by Buyer. If there is delay from buyer side in approval of drawing– the delivery period shall be refixed without LD for the period of delay in approval of Drawing.

Disclaimer

The Additional Terms and Conditions (ATC) have been incorporated by the Buyer after approval of their Competent Authority. The Buyer is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any restriction arising in the bidding process due to these ATCs and including the modification of technical specifications and / or terms and conditions governing the bid. All representations / grievances pertaining to the ATC clauses shall be raised with the buyer organization directly and not with GeM. If any of the clause(s) is/are incorporated by the Buyer regarding the following, the bid & resultant contract shall be treated as null & void. Further, GeM reserves the right, at its sole discretion, to cancel the bid forthwith, without issuance of any prior notice or intimation :-

1. Publishing Custom / BOQ bids for items for which regular GeM categories are available (unless such Custom / BOQ item is bunched with the major regular product Category Item).
2. Mandating procurement of / from specific Brand / Make / Model / Manufacturer / Dealer except in case of Single Bid / Proprietary Article Certificate (PAC) Buying.
3. Inclusion of disqualification criteria related to suspension of seller / service provider, where such suspension period has already expired.
4. Mandating submission of documents (other than EMD and signed Integrity Pact - which can be submitted within 5 days of bid opening) in physical form as a pre-requisite to qualify bidders.
5. Publishing bids on GeM for procurement of works.
6. Procurement of Goods by creating a Service bid on GeM & vice-versa.
7. Seeking sample with bid or approval of samples during bid evaluation process. However, trial / sample, as the case may be, shall be permitted in cases where trial / sample are allowed as per approved and published procurement policy of the Buyers' controlling Ministry / Department / State / Public Sector Enterprises Headquarters. If there is any violation of trial / sample clause with regard to approved policy of the Buyers' Ministry / Department / State / Public Sector Enterprises Headquarters, then this is to be determined and redressed by the concerned Buyer Organisation only.
8. Seeking experience from specific organization / department / institute only or from foreign / export experience.
9. Creating bid for items from incorrect categories.
10. Reference of conditions published on any external site or reference to external documents/clauses.

11. Asking for any Tender fee / Bid Participation fee, as the case may be.
12. Buyer added ATC Clauses which are in contravention of clauses defined in bid detail section, including specifications, EMD Detail, ePBG Detail and MII and MSE Purchase Preference sections of the bid, unless otherwise allowed by the applicable GeM GTC.
13. Any ATC clause in contravention with GeM GTC Clause 4 (xiii) (h) will be invalid. In case of multiple L1 bidders against a service bid, the buyer shall place the Contract by selection of a bidder amongst the L-1 bidders through a Random Algorithm executed by GeM system.
14. In a category based bid, adding additional items, through buyer added, additional scope of work/ additional terms and conditions/or any other document. If buyer needs more items along with the main item, the same must be added through bunching category based items or by bunching custom catalogues or bunching a BoQ with the main category based item, the same must not be done through ATC or Scope of Work.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

*This document shall overwrite all previous versions of Bid Specific Additional Terms and Conditions.

[This Bid is also governed by the General Terms and Conditions](#)