

Tender for Supply of Optical Fiber Cable and accessories

Tender No. AEDC/SDC/eOffice/2025-26/02, Date 20/09/2025

**Assam Electronics Development Corporation Limited.
Bamunimaidan, Guwahati,
Assam, PIN-781021**

Affix Court Fee Stamp of value Rs. 100.00 here

Section-1
Assam Electronics Development Corporation Ltd. (AMTRON)
Industrial Estate, Bamunimaidan
Guwahati - 781021

NOTICE INVITING TENDER ENQUIRY

Ref No. AEDC/SDC/eOffice/2025-26/02 Dated. 20/09/2025

Assam Electronics Development Corporation Ltd (AMTRON) invites bids for “Supply of Optical Fiber Cable and accessories” having technical specification as detailed below in relevant section.

The tender Document is available in <https://amtron.in>. Bidder are requested to check the website for amendments/corrigendum. Submission of bids shall be offline and to be submitted in the ***Drop Box as mentioned in below table.***

1.1 SCHEDULE OF TENDER

Tender No.	AEDC/SDC/eOffice/2025-26/02
Scope of Work	Supply of items specified in this tender.
Name of the tender issuer	Assam Electronics Development Corporation Ltd.
Date of issue of tender document	20-09-2025
Last Date for Submission of Bids	All Tender Documents to be submitted in the Drop Box available at 3 rd Floor, AMTRON Data Center Building, A.E.D.C. Ltd., Industrial Estate, Bamunimaidan, Guwahati, PIN-781021, by 11:30 AM, 26-09-2025.
Date of Opening of Technical & Financial Bids	26-09-2025 at 11:30 AM
Place of Submission & Opening of Bids	3 rd Floor, AMTRON Data Center, A.E.D.C. Ltd.
Address for Communication	Managing Director Assam Electronics Dev. Corporation Ltd., Industrial Estate, Bamunimaidan, Guwahati – 781021, Assam
Phone No. for Communication	+91-9864917608
e- mail ids	mdc@amtron.in

1.1.2. Tender Processing Fee:

A non-refundable fee of Rs 500/- (Rupees Five Hundred) shall be made towards the cost of tender processing fee through any bank.

1.1.3 Bid Security/Earnest Money Deposit

The bid document must be accompanied by the Earnest Money Deposit of Rs. 2000.00 (Rupees Two Thousand Only) through any bank in the form of DD/BG in favour of Managing Director, Assam Electronics Development Corporation Limited.

PART I - TECHNICAL BID

1.2 Pre-Qualification Criteria:

- i. The Bidder should be a Company having its registered Office in Assam.
 - a. Certificate of Incorporation/Trade License to be provided.
 - b. GST Registration and PAN Card to be furnished.
 - c. Profile of Company – **Form C**
- ii. Unpriced, complete and correct BOQ consisting of OEM Part Codes to be submitted.

1.3 Scope of work:

Supply: The bidder should supply the items as per the Bill of Materials (BOM) below. All goods need to be supplied F.O.R. Guwahati.

BOM:

Item No.	Item Description	Qty	Make	Model/ Product Details
1	6 Core Optical Fiber Cable	2.0 km		
2	Single Mode loaded LIU 24 core	2 nos.		
3	Single Mode OS2/OS3 Patch Cord	24 nos.		
4	High-Density Polyethylene (HDPE) Duct Pipe	1.5 km		

Sd/

Date: 20-09-2025
Guwahati

Managing Director
AEDC Ltd. (AMTRON)

For further details and Tender Documents please visit www.amtron.in

1.4. Technical Specification

Item No. 1 – 6 Core Optical Fiber Cable (Armoured)

#	Requirement	Specification	Comply (Y/N/Partial)	OEM Reference / Page	Notes/Deviation if any
1	Fiber type	SMF ITU-T G.652.D			
2	Attenuation limits	≤0.35 dB/km @1310; ≤0.22 dB/km @1550			
3	Armour type	CST/SWA, rodent-resistant			
4	Water blocking	Dry/swellable tapes/yarns			
5	Sheath	UV-stabilized black PE			
6	Tensile	≥1500 N (install)			
7	Crush	≥2000 N/100 mm			
8	Bend radius	≤10×OD static; ≤20×OD dynamic			
9	Temperature range	-40...+70 °C (operation/storage)			
10	Standards	IEC 60794/60793/ equivalent			
11	Tests	Factory OTDR/LSPM; IEC mechanical			
12	Compatibility	standard SM armoured cable; terminations will be via standard pigtails/adapters			

Item No. 2 – Single Mode loaded LIU 24 core

#	Requirement	Specification	Comply (Y/N/Partial)	OEM Reference / Page	Notes/deviation if any
1	Form factor	19" rack-mount, 1U			
2	Port configuration	LC duplex (24F)			
3	Adapters	Zirconia sleeves; color-coded; dust caps			
4	Pigtails	24 × SM 9/125 μm; 1.5 m; IL ≤0.5 dB max;			
5	Splice trays	≥24 splice capacity; 24 × 40 mm protectors			
6	Fiber management	Bend radius ≥30 mm; raceways; slack mgmt.			
7	Earthing	chassis-to-earth < 0.1 Ω			
8	Materials	≥1.2 mm steel; powder-coated; UL 94 V-o plastics			
9	Labeling	TIA-606-C compliant; templates provided			
10	Tests	Factory visual/IL-RL sampling; site LSPM/OTDR			
11	Compliance	IEC/TIA standards			
12	Accessories	Mount kit, glands, ties, labels, dust caps			

Item No. 3 – Single Mode OS2/OS3 Patch Cord

#	Requirement	Specification	Comply (Y/N/Partial)	OEM Reference / Page	Notes
1	Fiber type	SMF 9/125 μ m – ITU-T G.652.D (G.657.A1/A2 acceptable)			
2	Length	3.0 m to 5.0 m as per availability			
3	Construction	Simplex or Duplex; LSZH jacket 2.0/3.0 mm			
4	Connectors	LC; zirconia/equivalent ferrule			
5	IL per connector	≤ 0.5 dB max; ≤ 0.3 dB typ.			
6	Return loss	≥ 50 dB (UPC) / ≥ 60 dB (APC)			
7	Durability	≥ 500 matings (IEC 61300-2-2)			
8	Flammability/LSZH	IEC 60332-1, 60754-1/2, 61034/equivalent			
9	Testing	100% IL/RL + end-face inspection			
10	Polarity	Duplex A-to-B unless stated otherwise			

Item No. 4 - High-Density Polyethylene (HDPE) Duct Pipe

#	Requirement	Specification	Comply (Y/N/Partial)	OEM Reference / Page	Notes/deviation in any
1	Size	40 mm OD / 33 mm ID			
2	Construction	Co-extruded PLB-HDPE, 3-layer (preferred)			
3	Material	Virgin PE 80/PE 100; UV stabilized			
4	Inner layer	Low-friction; COF ≤ 0.06 (declare method)			
5	Marking	Meter marks; batch/date; direction arrow			
6	Accessories	Sealed couplers, end caps, plugs, glands			
7	Site tests	5 psi/30 min air pressure; mandrel test			

Section-2

2.1. The Bidder will prepare the bid in two parts – Technical Bid and Financial Bid should be submitted as hard copy in two separate envelop sealed and signed by authorized signatory of the bidder.

Each envelop should strictly mention ‘Technical Bid’ or ‘Financial Bid’ along with ‘Tender Number’ and “Name & Address of the Bidder”, accordingly.

a) Technical Bid:

Bidder must ensure that Technical Bid do not contain any Commercial items / prices. All documents to be submitted in Hard Copy duly signed by authorized signatory of the bidder.

The Bid should comprise of the following documents: -

- i. Document fee & EMD Particulars.
- ii. Signed copy of the Bid Document.
- iii. The bidder must affix a Court Fee Stamp of Rs. 100/- in the place provided on the original Bid document.
- iv. Manufacturer Authorization Form from OEM for this particular bid needs to be submitted.
- v. Datasheet/Fact Sheets for the product quoted by the Bidder.
- vi. Quality and Standard Certifications obtained by OEM and the product being offered.
- vii. Complete Bill of Material with Make and Model to be type written.

b) Financial Bid- Financial bids to be submitted in hard copy in a separately envelop.

2.3 Other Conditions of bid submission:

- i) AMTRON will not hold any risk and responsibility regulating non-visibility of the printed documents. No document should be handwritten other than signature.
- ii) The Bidder shall bear all costs associated with the preparation and submission of its bid including cost of presentation for the purposes of clarification of the bid. AMTRON, will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the Tendering process.
- iii) The Bids prepared by the Bidder and all correspondence and documents relating to the bids exchanged by the Bidder and AMTRON, shall be written in English language, provided that any printed literature furnished by the Bidder may be written in another language so long the same is accompanied by an English translation in which case, for purposes of interpretation of the bid, the English translation shall govern.
- iv) It shall be deemed that the bidders have done careful study and examination of the Tender/ bid document and has fully understood the implications.
- v) The response to the Tender/ bid should be full and complete in all respects. Failure to furnish the requisite information or submission of a proposal not substantially responsive to the Tender/ bid document in every respect will be at the bidder's risk and may result in rejection of the proposal and forfeiture of the EMD.

- vi) All materials submitted by the bidder become the property of Information Technology Department and may be returned at its sole discretion.

2.4. General Instructions for Proposal Submission:

a) Submission of Technical Bid-

- i. The bidders should submit the hardcopies of the documents listed in Clause 2.1.
- ii. Technical bid should include all documents mentioned in Section 2, Technical Bid. Please Note that Prices should not be indicated in the Technical Proposal but should only be indicated in the Financial Proposal failing which the bid submitted shall be summarily rejected.
- iii. Please note that all the formats given has to be duly filled up submitted in the bid failing which the bid submitted shall be summarily rejected.

SECTION-3

3.1. General Conditions of the Contract:

- i. Bidder must have sufficient arrangements with patent / copyright holders in respect of Technology / licenses etc. Bidder must have requisite authorizations and clearances from Govt./Statutory/Tax authorities that enable it to execute such a supply order in the state of Assam.
- ii. The bidder once selected, must ensure that the equipment supplied is brand new, first hand and contains no previously used, recycled, or refurbished components and is consistently of the same brand, specification and capability as that of the quoted equipment.
- iii. The license supplied must be guaranteed by the Supplier OEM Company as a 1st party for proper operations, performance and correction of any malfunction. The guarantee period will commence from the date of hand over of the equipment after carrying out successfully the tests prescribed by the AMTRON and shall remain in force till the completion of the period of 1 (one) year or any other period so specified in the supply order. The warranty provided by the Bidder/(s) who is/are awarded the supply order/(s) shall provide OEM warranty.
- iv. AMTRON reserves to right of inspection for technical conformity & quality of the equipment quoted, the manufacturing process, warranty service, facilities, by sampling or in full and by factory acceptance or at point of delivery, at times and in the manner, it deems fit & necessary.
- v. Bidder shall enclose along with in the Technical bid, descriptive technical Literature & Technical Data Sheet in hard copy on the equipment quoted viz. specifications, features etc. in the form of product brochures etc. In addition, as a part of the evaluation process, Bidders are required to submit company sealed samples of the all the equipment quoted and intended for supply along with the tender bid on the date of submission of the tender bid failing which his tender is liable to be cancelled. AMTRON shall not be liable for payment for any cost incurred by the bidder on this account. Testing of the equipment quoted and intended for supply, for fulfilment, at the minimum, the technical specifications & requirements mentioned in the detailed in this Tender Document, and overall product suitability, ergonomics, user friendliness, features, compatibilities, limitations etc. will be carried out.
- vi. AMTRON reserves the right to settle matters in regard to the final quantity of equipment to be supplied during finalization of the supply order.
- vii. C form will not be provided by the Purchaser.
- viii. Road Permit shall not be provided by the Purchaser.

3.2 Packing:

The equipment shall be packed in suitable packing boxes with proper cushioning material to avoid transit damages and in a manner so as to avoid transit damages, if any, from being blamed on faulty/defective packing. The burden of proof in such an event shall lie on the Vendor.

3.3 Inspection:

AMTRON reserves to right of inspection for technical conformity & quality of the equipment quoted, the manufacturing process, warranty service, facilities, by sampling or in full and in factory or at point of delivery, at times and in the manner, it deems fit & necessary.

3.4 Proposed Timelines:

The time schedule for the Supply Order will be as follows:

Activity	Time in days
Issue of Purchase Order	T
Delivery & handover of approved material	T+3 days

3.5 Consideration for the supply order:

1. Prices quoted in the bid must be firm and final and shall not be subject to any upward modifications, on any account whatsoever. However, the Purchaser reserves the right to negotiate the prices quoted in the bid to effect downward modification.
2. The Commercial bid should clearly indicate the price to be charged without any qualifications whatsoever and should include all taxes, duties, fees, levies, works contract tax and other charges as may be applicable in relation to the activities proposed to be carried out.
3. The taxes will be applicable as per the current rate. In case of any change in the applicable rates, the bidder shall bill according to the then prevalent rate. However, should there be a change in the applicable taxes Purchaser reserves the right to negotiate with the Bidder.
4. Prices shall be quoted in Indian National Rupees (INR).
5. The prices will be FOR.
6. AMTRON reserves the right to distribute the order among other, qualified bidder in a ratio it deems fit.
7. All payments will be made on the following milestones:

3.6 Payment Schedule:

Sl. No.	Milestone	% of Payment
1	Completion of supply and testing	100% within 90 days of submission of invoice.

3.7 Warranty Service:

All the material supplied must be guaranteed by supplier at State Data Center, Dispur as first party guarantee for proper operations, performance and correction of any malfunction. The warranty period will commence from the date of installation of the license.

The warranty must include, if not mentioned herein otherwise, but not limited to the following: -

- a) Free-of-cost all services required during the entire warranty period that should result in complete restoration of the equipment to its fully functional status.
- b) Must provide for free-of-cost complete replacement of the concerned module of the equipment, for any fault, malfunctioning or defect found in the period of 90 days from the date of handover to the end-user.
- c) Provide for services of rectification & maintenance for the warranty period.

The Bidder/(s) who is/are awarded the supply order/(s) shall handover, along with the licenses, all the operational and maintenance manuals, Warranty and support information to the purchaser along with authentic ownership/ purchase documents/ licenses, warranty certificate wherever applicable.

In cases where the new version, release, or update adversely affects System operation or performance, or requires extensive reworking of the System, the Supplier shall continue to support and maintain the version or release previously in operation for as long as necessary to allow introduction of the new version, release, or update.

3.7 Bid Validity Period:

Bids shall remain valid for 90 days after the date of opening of Technical Bids prescribed by the Purchaser. A bid valid for a shorter period may be rejected as non-responsive. The prices excluding the taxes, finalized after opening the tenders shall not increase throughout the period of implementation.

Extension of Period of Validity: In exceptional circumstances, the Purchaser may request the Bidder(s) for an extension of the period of validity. The request and the responses thereto shall be made in writing (or by fax). The bidder shall be at liberty to refuse the request. In such a circumstance, it will be construed that the bidder has withdrawn his bid and will not be entitled to claim or receive any penalty/damages/ interest/charges. However, he will be entitled to return of his bid documents submitted and refund of the EMD.

3.9 Bid Evaluation Criteria:

i. Evaluation of Technical Bid:

All evaluation process will be carried out by a Tender Evaluation Committee for evaluation of technical bids and the commercial bid, to be formed by the Purchaser for this purpose. The decision of the Tender committee shall be final, and no correspondence will be entertained outside the process of negotiation by the Committee. Evaluation of the bid documents will be as shown below:

At this stage, the technical bid will be opened and examined for genuineness of the bid, documents for compliance to the qualification requirements, compliance of specifications of the Batteries, submission of EMD, adequacy of documents, whether any computational errors have been made, whether the documents have been properly signed and the documents are prima facie in order and information as stated to be required in this tender has been submitted, correct fulfilment of all required formalities. Tender will be studied to examine if the bidder has at least the minimum capability evidenced by fulfilment of the minimum levels of criteria & conditions mentioned in the

NIT and in this tender. At this stage decisions of outright disqualification will be taken. A bid determined not substantially responsive will be rejected and may not subsequently be made responsive by the Bidder by correction of the nonconformity.

ii. Evaluation of Commercial Bid:

- a) Financial Bids will be opened in presence of all the bidders available during the time of opening of Financial Bid.
- b) Purchase Order will be awarded to the L1 Bidder.
- c) Purchase Order will be awarded depending upon availability of fund.
- d) Multiple orders may be placed at the same rate so proposed rates should be valid for at least 3 months from date of submission of bid.

Performa -B

**DECLARATION REGARDING ACCEPTANCE OF TERMS & CONDITIONS CONTAINED IN
THE TENDER DOCUMENT**

To,

The Managing Director,

Assam Electronics Development Corporation Ltd.,

Industrial Estate, Bamunimaidan, Guwahati-781021

Sir,

I have carefully gone through the Terms & Conditions contained in the Tender Document [No _____]. I declare that all the provisions of this Tender Document contained in Section-1 to Section-3 are acceptable to my Company. I further certify that I am an authorized signatory of my company and am, therefore, competent to make this declaration.

Yours very truly,

Name: _____

Designation: _____

Company: _____

Address: _____

FORM-C

Profile of the Company/firm

- 1) Name of the Company:
- 2) Constitution: Private Limited. Company / Public Limited company / PSU Company/Firm
- 3) Registration No. & date of the company:
- 4) Tax PAN No & date:
- 5) GST Registration No. & date:
- 6) Registered Office Address with Tel. No, Fax No., email ID:
- 7) Contact Office Address with Tel. No, Fax No., email ID:

•

Signature of the bidder with seal

PART II - FINANCIAL BID.

Name & Address of the Bidder:

Sl. No.	Items	Qty (a).	Unit Price (INR) (b)	AMOUNT (INR) (p=a X b)	GST (q)	TOTAL (INR) (p + q)
1	6 Core Optical Fiber Cable	2.0 km				
2	Single Mode loaded LIU 24 core	2 nos.				
3	Single Mode OS2/OS3 Patch Cord	24 nos.				
4	High-Density Polyethylene (HDPE) Duct Pipe	1.5 km				

Date:

Signature:

Place:

Name:

Designation:

Seal: