

Assam Electronics Development Corporation Ltd. (AMTRON)
Industrial Estate, Bamunimaidam,
Guwahati – 781021
www.amtron.in

3. NOTICE INVITING TENDER

Tender No.: AEDC/3DP-COE/RFP/2024-25/01

Date: 15/07/2025

Assam Electronics Development Corporation Ltd. (AMTRON) invites e-tender from reputed companies/firms having experience in related field for e-Tenders are invited from qualified bidders for “Selection of Agency for O&M of The Existing Digital Design And 3D Printing Center of Excellence at Tech City, Guwahati”.

Submission of bid shall be through e-procurement portal <http://assamtenders.gov.in>

For details and subsequent communication, you may visit <http://assamtenders.gov.in> and <http://amtron.in>

The detailed scope of work and qualifying criteria of the bidder are specified below:

3.1 Brief Scope of work - Deliverables:

3.1.1 Project Background:

3.1.1.1. Assam Electronics Development Corporation Limited (AMTRON) is an Enterprise wholly owned by the Government of Assam and has always been ahead on the Technology Curve delivering solutions in Telecom and the IT-domain. Today, it has become almost indispensable for any IT activity in the North Eastern region, be it for consultancy, design, standardization or taking up turn key projects for development of IT infrastructure in the NE Region. It has immense capacity in the field of data center, cloud services, network, free software, systems design and software development together with a network for education and training. AMTRON is developing North East India's first Electronic Manufacturing Cluster to promote Make India / Vocal for Local etc. Recently, the Department of Telecom, Government of India issued NLD &ILD Telecom License to AMTRON to offer services on a PAN India basis.

3.1.1.2. About 3D Printing Technology: 3D printing or additive manufacturing uses computer-aided designing to make prototypes or working models of objects by laying down successive layers of materials such as plastic, resin, thermoplastic, metal, fiber or ceramic. With the help of software, the model to be printed is first developed by the computer, which then gives instructions to the 3D printer. 3D Printing is the future of the manufacturing industry and has the potential to even replace conventional manufacturing sooner than later. Today the world is changing faster than what we could imagine a few years back and this change would help the 3D Printing industry to grow faster than anticipation. In India, 3D printing still has been used primarily in prototyping purposes Automotive Prototype, Industrials, Tooling, Aerospace, Defence where automotive application accounts for the largest volume share. Over the next few years, one can expect Engineering, Industrial, Tooling, Architecture, Education, Medical and Aerospace & Defence application segments should exhibit promising growth in India's 3D printing market, owing to the impact which 3D Printing Technology can make in these segments along with an increase in spending towards R&D of Aerospace & Defence related equipment and various Government initiatives and campaigns.

3.1.1.3. AMTRON has executed a project of commissioning Digital Design & 3D Printing Center of Excellence at Tech City, Guwahati (3dpcoe.in) which has been funded under the PM-DevINE Project by the Ministry of Development of North Eastern Region, Government of India with the following objectives:

- a. Create Talented Manpower that shall cater to demands of the current and future industrial landscape of India as well as earn well enough to become role models for others in the society.
- b. Foster Academia – Industry partnership - to bring about paradigm shift from digital design prototyping to manufacturing.
- c. Promote Make in India and innovation to reduce imports / strengthen export market for 3 D products.
- d. Promote Entrepreneurship in North East Region of India in the knowledge-based economy.
- e. Promote young students / women and tribal entrepreneurs / MSME's from NER in the area of Digital Designing / Reverse Engineering / 3D Printing in the region.
- f. Each bidder is free to visit the 3DP CoE site and see the existing infra in place. An indicative list of the assets available in the 3DP CoE is provided in Annexure 12.
- g. Total Built-up Area of the 3DP CoE is 1270 Sq.m, consisting of Ground Floor area of 850 Sq.m and First Floor area of 420 Sq.m. Layout of the CoE at Tech City, Guwahati is enclosed with this document at Annexure 13.

3.1.1.4. Expected Impact on SDG 2030 Parameters for North East India:

- a. SDG 3 - Good Health and Well Being: Reduce Out of Pocket Expenses, Reduce Overall Cost of Treatment, Improve Quality of Continuous Medical Education, Promote Ease of doing business while availing of treatment.
- b. SDG 4 – Quality Education: Industry 4.0 Exposure to be imparted to Youth / Professionals / Entrepreneurs from North East India.
- c. SDG 5 – Gender Equality - Women trained for making optimal use of Industry 4.0 – Artisans, Consumer Goods, Fashion Accessories, Handicrafts etc.
- d. SDG 9 – Industry, Innovation & Infrastructure - New era SMEs based on Industry 4.0., Promote R & D for new products and services, diversification from traditional agro / mining-based industries. It is pertinent to mention that the private sector economic activities are abysmally low as compared to other parts of India.
- e. SDG 12 – Responsible Consumption & Production - Reduce waste generation in production process as compared to Subtractive Manufacturing.

3.1.1.5. Activities To Be Undertaken / Permitted by AMTRON for Bidder:

- a. Operation & Maintenance of all equipment on site (except an approximate area of 95.41 Sq.m in the Ground Floor earmarked for Texmin-Amtron CPS 4.0 Centre of Excellence) by the selected bidder. The selected bidder shall also ensure adequate safety and smooth operation and abide by all safety standards and Standard Operating Procedures for running the equipment as well as the entire premises.
- b. Install & Operate at its own cost, a CCTV surveillance for the facility and the users thereof and the personnel engaged in the provision of any services including correction of safety violations and deficiencies and taking of all other actions necessary to provide a safe environment in accordance with Applicable Laws and Good Industry Practice.
- c. Ensure adequate ventilation, especially when using materials like ABS or nylon.
- d. Implement proper procedures for disposing of waste materials, including supports, failed prints, and used filament.
- e. Follow safety guidelines for handling different 3D printing materials, including powders and resins.

- f. Site Housekeeping and payment of all utility bills like electricity and water. They shall also be responsible for power back up (including the fuel expenses) as and when required at site.
- g. Manpower to manage the machines installed at site as well as undertake marketing activities / generate consulting income, undertake industry partnerships for optimal utility of the infra so deployed.
- h. Support and incubate start-ups against revenue models.
- i. During the entire operation process, up skill a few employees from AMTRON and handhold them to operate the 3D printing machines installed in the CoE and provide Training Certificate from OEM.
- j. Undertake (in an unhindered manner) any kind of paid consultancy / support services for any client, be in Government / Private Domain / Autonomous Institutions anywhere in India / outside India.
- k. Undertake Publicity with Potential Customers / Market Awareness / Educational Awareness on the use cases of 3D Printing Ecosystem either on payment basis with any entity within or outside India.
- l. Publish 11 newsletter one every quarter where the first quarter shall be April – June, 2025.
- m. Promote Industry-Academia-Government partnerships with the existing CoE.
- n. Take all steps necessary to make the project commercially viable / self-sufficient.
- o. The selected bidder is free to install additional capacity (3D Printing Machines / Solutions, in addition to the existing infra at site) at its own cost / or at the cost of THIRD PARTIES to ensure optimal productivity of the 3DP CoE Site. These additional capacities can be housed within the existing structure. Over and addition to that, the selected bidder is free to add more floors at its own cost/ or at the cost of THIRD PARTIES in the existing structure to accommodate more machines after prior written approval from AMTRON.
- p. The selected bidder is free to source fund from any entity (Private / State or Central Government / Public Sector Enterprise / Autonomous Bodies of Govt. / CSR Funds / National & International Fund) to self-sustain the project and make the project successful as a role model for NER Region. No security or hypothecation of movable / fixed assets will be allowed except hypothecation of stock for availing working capital finance/any other project finance.
- q. AMTRON shall provide technical support for marketing of products and services from this site to the selected bidder.
- r. The selected bidder shall be liable to share Revenue with AMTRON from the date of letter of acceptance which shall be provided by the selected bidder within 7 days from the date of award of contract or agreement, whichever is later, in the form of a written communication. This date shall be considered to be as “Handover Date”.
- s. Notwithstanding any other clause, the scope of work shall not include the infrastructure and equipment earmarked for Texmin-Amtron CPS 4.0 Centre of Excellence.

3.1.1.6. AMTRON shall not provide any financial support to the project and it is the responsibility of the selected bidder to manage the same from consultancy / marketing service using the infra at site plus any third-party sources without any financial liability on AMTRON. All bidders are mandated to visit the facility and make independent assessment before bidding for the project. AMTRON shall not take any responsibility whatsoever for lack of project understanding / site conditions / market conditions for the project.

3.2. Document Fee:

Bid document can be downloaded from the <https://assamtenders.gov.in> and a non-refundable fee of Rs. 1,000.00 (Rupees One Thousand only) shall be made towards the cost of document fee through Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on

<https://assamtenders.gov.in> or NEFT/RTGS in case of offline payment from any Bank. Bidders need to affix Rs.100.00 (Rupees One Hundred only) court fee stamp while submitting the signed copy of bid document as a token of acceptance of the clauses and terms & conditions of the bid document.

3.3. EMD:

Bidders need to deposit an EMD (Earnest Money Deposit) of Rs. 50,000.00 (Rupees Fifty Thousand only) through Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on <https://assamtenders.gov.in> or NEFT/RTGS in case of offline payment from any Bank.

The bidder has to also submit the Bid Security Declaration Form attached as Annexure 10 along with the Technical Bid.

3.4. Refund of EMD Deposit:

3.4.1. In case the bidder is unsuccessful, its EMD shall be refunded post issue of Letter of Intent / Letter of Award to the successful bidder.

3.4.2. In case the bidder is successful, its EMD shall be refunded post submission of Performance Bank Guarantee by the selected bidder to AMTRON.

3.5. Submission of Bid:

The tender should be submitted online as well as in hardcopies (**except Price Bid**) as per date and time of submission given in the prescribed schedule. The technical bid in sealed envelopes superscripting the tender details as prescribed in the relevant section of the bid document shall be submitted to the Office of The Managing Director, Assam Electronics Development Corporation Ltd. (AMTRON), Industrial Estate, Bamunimaidam, Guwahati – 781 021.

The various formats as presented for the Technical and Price Bids needs to be duly filled & signed by the bidders and further scanned & uploaded on the e-tendering portal.

3.6. Key Events and Dates:

Sl. No.	Description	Details
1	Issuing Authority of the Bid and Address	Assam Electronics Development Corporation Limited, Industrial Estate, Bamunimaidam, Guwahati – 781 021
2	Issuer	Managing Director, Assam Electronics Development Corporation Limited (AMTRON)
3	Date of Issue/ Publication	15/07/2025
4	Last date of submission of pre-bid queries and email id	21/07/2025 techcity@amtron.in
5	Date of Pre-bid Meeting	Pre bid meeting shall be through VC mode on 23/07/2025 The link of VC is as shared below: https://meet.google.com/uid-hgdb-mha
6	Start date of Bid Submission	25/07/2025
7	Date and time of submission of the proposal and opening of the Technical Bid	<u>Last date & time of submission:</u> Online submission: 04/08/2025 till 11.00 AM at https://assamtenders.gov.in Submission of hardcopy of bids: 04/08/2025 till 02:00 PM at Office of Managing Director, Assam Electronics Development Corporation Ltd. (AMTRON), Guwahati – 781 021.

Sl. No.	Description	Details
		<u>Opening of Technical Bid:</u> 04/08/2025 at 03:00 PM Venue: Assam Electronics Development Corporation Limited (AMTRON), Industrial Estate, Bamunimaidam, Guwahati – 781 021
8	Date of opening of the Price Bid	To be intimated later to the technically qualified bidders. Venue: Assam Electronics Development Corporation Limited (AMTRON), Industrial Estate, Bamunimaidam, Guwahati – 781 021
9	Address for submission of the bid	Office of Managing Director, Assam Electronics Development Corporation Limited (AMTRON), Industrial Estate, Bamunimaidam, Guwahati – 781 021
10	Cost of Bid Document	Rs. 1,000.00 (Rupees One Thousand only)
11	Earnest Money Deposit (EMD)	Rs. 50,000.00 (Rupees Fifty Thousand only)

Place: Guwahati
Date: 15/07/2025

Sd/-
Managing Director
AEDC Ltd. (AMTRON)