Assam Electronics Development Corporation Ltd. (AMTRON)
Industrial Estate, Bamunimaidan, Guwahati - 781021
<u>**NOTICE INVITING TENDER ENQUIRY**</u>

Ref No. AEDC/SDC/2025-26/06   *Dated- 13/02/2026*

Assam Electronics Development Corporation Ltd (AMTRON) invites bids from Original Equipment Manufacturer (OEM) or its authorized dealers/partner/reseller for "**Supply and Installation of GPU Nodes**" having technical specification as detailed below in relevant section. Submission of bids shall be online and to be submitted through *https://assamtenders.gov.in*

1.1.1 SCHEDULE OF TENDER

Tender No.	*AEDC/SDC/2025-26/06*
Scope of Work	Supply, installation & commissioning of items specified in this tender with 5 (five) years onsite comprehensive warranty.
Name of the tender issuer	Assam Electronics Development Corporation Ltd.
Date of issue of tender document	*13/02/2026*
Last Date for Submission of Bids	**Signed copy of the Tender and supporting documents to be submitted online on or before *03:00PM, 23/02/2026*.** **Hard copy of only Power of Attorney to be submitted in the Drop Box available at MD Office, AMTRON by *01:00PM, 23/02/2026*.**
Date of Opening of Technical Bids	*23/02/2026 at 04:30 PM.*
Place of Submission & Opening of Bids	Conference room, MD Office, AMTRON
Address for Communication	Managing Director Assam Electronics Dev. Corporation Ltd., Industrial Estate, Bamunimaidan, Guwahati – 781021, Assam
Phone No. for Communication	*+91-8638291361*
e- mail ids	*mdc@amtron.in*

1.1.2. Tender Processing Fee:

A non-refundable fee of *Rs 3000/- (Rupees Three Thousand)* shall be made towards the cost of tender processing 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.

1.1.3 Bid Security/Earnest Money Deposit

The bid document must be accompanied by the Earnest Money Deposit of *Rs. 3,00,000.00 (Rupees Three Lakh Only)* through –

i)   Option 1- Internet Banking from State Bank of India (SBI) or any other banks listed at SBMOPS on https://assamtenders.gov.in

ii) Option 2- In case of non-availability of Net Banking facility, Bidders may submit Tender Processing Fees and Bid Security using NEFT/RTGS option from any Bank against system generated prefilled challan. For details, please refer to - https://assamtenders.gov.in/nicgep/app?page=WebAnnouncements&service=page (OM Related to Online Tender Processing Fees and EMD)

PART I - TECHNICAL BID

1.2 Pre-Qualification Criteria:

SL. No.	Bidder/OEM Pre-Qualification Criteria	Supporting Documents	Checklist (Yes)
1	The Bidder can be a Company/Firm having its registered Office in India and Service Engineer posted in Guwahati.	Certificate of Incorporation/Trade License to be provided. Biodata of Service Engineer to be provided with Phone number and email-ID.	
2	GST Registration and PAN Card to be furnished.	Relevant document to be submitted	
3	Bid Security/EMD and Tender Processing Fee (Mandatory)	Reference to be submitted in Form D	
4	Power of Attorney to the authorized signatory of the bidder to sign the bid document, if it is a company/Partnership Firm.	As per format mentioned in Form I. (Hard Copy should be submitted)	
5	Profile of Company	As per format mentioned in Form C.	
6	Bidder should not be blacklisted by any Government/PSU entity in last three years.	Undertaking from Bidder need to be provided.	
7	Bidder should have experience in supply and installation of GPU nodes in last three years in PSU/Govt entities.	Relevant Work Order and completion certificate to be submitted.	
8	In case the bidder is not an OEM, authorization letter form OEM should be provided as proof of eligibility. The bidders must be an authorized dealer/partner/reseller of the OEM.	OEM undertaking or as per format mentioned in Performa A or as per OEM Format.	
9	OEM should provide an undertaking that the bidder quoting their products will supply the items within 60 days.	Undertaking from OEM to be submitted without which bid will be rejected.	
10	Replacement of all components and subcomponents -should be covered under warranty -shipping cost for such replacements will be borne by the OEM. - unmounting and packing of faulty components will be the responsibility of the OEM. - unpacking and mounting of new components will be the responsibility of the OEM. -no extra cost will be borne by buyer for replacement and shipping.	Undertaking from OEM to be submitted without which bid will be rejected.	
11	Declaration regarding acceptance of Terms & Condition contained in the tender document.	As per format mentioned in Performa B	
12	OEM should not be blacklisted by any Government/PSU entity in last five years.	OEM undertaking to be submitted.	
13	Spare parts to be made available by OEM within 7 business days from the date of call log.	OEM undertaking with Warehouse details	

SL. No.	Bidder/OEM Pre-Qualification Criteria	Supporting Documents	Checklist (Yes)
14	Proposed product and its constituent sub-components should not be declared as end of support by next 5 years.	OEM undertaking to be submitted.	
15	OEM to provide complete escalation matrix for after sales warranty and services.	Escalation Matrix in OEM letterhead to be submitted	
16	The bidder should submit an undertaking that during the entire project period one Service Engineer will be available or posted at Guwahati for same business day support and maintenance for entire project duration. Cost for the same if applicable should be borne by the bidder.	Bidder's Undertaking	
17	Restrictions rules imposed by Govt. of India for procurement from bidders from countries that share land borders with India will be applicable.	Undertaking from OEM & Bidder in support of the same.	
18	The Bill of Material mentioned in Clause 1.3.1 is tentative. The proposed solution should be complete, and no additional item/license is required.	<Undertaking from OEM to be submitted>	
19	All materials should be supplied with 5 (five) years advanced hardware replacement warranty and onsite support.	OEM Undertaking to be submitted	
20	Unpriced, complete and correct Bill of Material including part codes of components, sub-components, service, warranty, licenses, subscription along with quantities to be submitted along with the bid, without which Bid will be rejected. No clarification/correction will be sought post submission of bid.	OEM Undertaking to be submitted for the proposed bill of materials.	

1.3 Scope of work: Deployment of 8-GPU Accelerated Server for RAG-Based LLM Platform

i. **Delivery:**
The bidder should supply, install & commission the items as per the Bill of Materials (BOM) below. All goods need to be supplied F.O.R. Guwahati at State Data Center, Dispur, Guwahati, Assam, PIN - 781006.

ii. **Objective:**
The selected bidder shall supply, install, configure, integrate, and commission a GPU-accelerated server equipped with eight (8) data center–grade GPUs to enable an on-premise Retrieval-Augmented Generation (RAG) based Large Language Model (LLM) platform.

The deployed system shall support:
- High-performance LLM inference using vLLM or equivalent optimized inference engine
- Multi-tenant GPU segmentation
- GPU pass-through to KVM-based Virtual Machines
- Containerized and orchestrated deployment
- Secure, scalable on-premise architecture

iii. **Supply, Installation & Commissioning**
The bidder shall:
- Supply the approved GPU server hardware.

- Rack, cable, and integrate into existing data center infrastructure.
- Configure:
    o Redundant power supplies
    o Network interfaces
    o Management interfaces
- Update firmware, BIOS, GPU firmware, and drivers to stable supported versions.
- Conduct hardware health verification and burn-in testing.

iv. **Operating System & Virtualization Stack**
The bidder shall:
- Install enterprise Linux distribution (RHEL / Rocky / Ubuntu LTS or approved equivalent).
- Harden OS as per data center security guidelines.
- Install and configure KVM-based hypervisor.
- Enable IOMMU and GPU pass-through capabilities.

v. **GPU Stack Installation & Configuration**
The bidder shall install and configure:
- GPU drivers (data center certified version)
- Compute runtime libraries
- GPU communication libraries
- Container runtime with GPU support
- Required kernel modules and performance optimizations
All configurations shall be production-grade and validated.

vi. **GPU Segmentation & Multi-Tenant Enablement**
The bidder shall:
- Configure GPU resource segmentation using:
    o Hardware-supported partitioning features (if available), OR
    o Software-based GPU allocation and isolation mechanisms.
- Enable allocation of GPUs to:
    o Individual containers
    o Separate tenant workloads
    o Dedicated inference services

vii. **GPU Pass-Through for KVM Virtual Machines**
The bidder shall:
- Configure GPU direct assignment (PCI pass-through) to KVM-based VMs.
- Validate:
    o GPU visibility inside guest OS
    o Successful compute workload execution within VM
- Provide:
    o Configuration documentation
    o Troubleshooting guide

viii. **LLM Engine Deployment**
The bidder shall:

- Install and configure vLLM (or equivalent optimized inference engine).
- Deploy at least one open-source LLM model (capable to run minimum 50B parameter LLM).
- Enable:
    - Tensor parallelism across GPUs
    - Batch inference optimization
    - Memory-efficient serving

ix. **Documentation Deliverables**

The bidder shall submit:
- As-built architecture diagram
- GPU segmentation configuration guide
- GPU pass-through configuration guide
- Inference engine deployment manual

1.3.1 Bill of Material:

Sl. No.	Items	Qnty	UoM	Make & Model
1	GPU Server Chassis (capable of supporting up to 8 GPUs)	1	Lot	
2	GPUs	8	Nos.	
3	One time Installation and Configuration	1	Job	<Not applicable>

1.3.2. The Procuring Entity reserves the right to reduce the number of GPUs from 8 to 4 (or any lower number) at the time of award, based on budget availability, while keeping the quoted per-GPU unit rate unchanged. The server chassis must be capable of supporting up to 8 GPUs irrespective of the initial quantity ordered. The server architecture, cooling, power supply, motherboard lanes, and PCIe topology shall remain identical irrespective of whether 4 or 8 GPUs are initially populated.

In other words the bidder shall quote GPU price per unit. The Purchaser reserves the right to order between 4 to 8 GPUs within the same server chassis at the same quoted unit rate during the bid validity period.

Sd/-

Date: *13-02-2026*   Managing Director
Guwahati   AEDC Ltd. (AMTRON)
For further details and Tender Documents visit https://assamtenders.gov.in