



Assam Electronics Development Corporation Ltd. (AMTRON)  
Industrial Estate, Bamunimaidan,  
Guwahati-781021  
[www.amtron.in](http://www.amtron.in)

No : AEDC/HRD /ADV/663

Date: 12-07-2025

### **Recruitment Notice**

Assam Electronics Development Corporation Limited (AMTRON) invites applications from eligible candidates for engagement of Database Administrator, System Administrator and Junior Civil Engineer for various projects of AEDC Ltd.

The employment is purely contractual in nature, initially for a period of Eleven (11) months for Database Administrators, System Administrator & 6(six) months for Junior Engineer (Civil). The services of DBA and SA may be extended/ renewed annually based upon satisfactory performance. Interested and eligible candidates may apply online for the same, through the official website of the Corporation ([recruitment.amtron.in](http://recruitment.amtron.in)) from 14-07-2025 to 23-07- 2025. Shortlisted candidates shall be intimated by email/phone for attending a walk-in interview.

The detailed TOR (Term of Reference) of engagement and no. of post are as given below:

Sl.No	Name of the Post	No. of Post	Qualification	Age	Minimum Experience	Salary
1	Database Administrator	2	Bachelors/Masters (Computer Science/ Information Technology/ Electronics)	Should not be of more than 40 years as on 1 <sup>st</sup> . January'2025	At least 3 years of experience in relevant field.	Upto Rs. 70,000/ per month.
2	System Administrator	1	Bachelors/Masters (Computer Science/ Information Technology/ Electronics)	Should not be of more than 40 years as on 1 <sup>st</sup> . January'2025	At least 3 years of experience in relevant field.	Upto Rs. 70,000/ per month.
3	Junior Engineer (Civil)	2	3(years) Diploma in Civil Engineering from any Technical Institution recognized by AICTE	Should not be of more than 35 years as on 1 <sup>st</sup> . January'2025	At least 5 Years of experience in Civil Engineering including in field execution and billing of Civil works	Upto Rs. 35000/ per month.

**Position:**

**1) Database Administrator.**

**Key Responsibilities:**

***MongoDB (Sharded + Replica Set Architecture):***

- Design, configure, and maintain MongoDB in production-grade HA and sharded setups.
- Implement optimal shard key selection, zone sharding, and balancer tuning.
- Tune replica set parameters including election timeouts, read/write concern, and oplog size.
- Monitor and optimize MongoDB queries using explain(), query profiler, and slow query logs.
- Manage WiredTiger engine settings, cache tuning, and background compaction strategies.
- Plan and execute version upgrades and rolling restarts with zero downtime.
- Secure MongoDB deployments with TLS, SCRAM-SHA authentication, and role-based access control (RBAC).
- Implement and automate backup/restore workflows using mongodump, Ops Manager, or custom tools.
- Participate in incident response and RCA (Root Cause Analysis) for performance/availability issues.

***PostgreSQL:***

- Administer PostgreSQL in clustered and standalone environments with WAL archiving and replication.
- Tune PostgreSQL for performance: configure shared\_buffers, effective\_cache\_size, work\_mem, wal\_buffers, etc.
- Optimize complex SQL queries and stored procedures; manage query plans and indexing strategies.
- Set up and manage connection pooling using PgBouncer or Pgpool-II.

***Certification: Candidates having relevant OEM certification will be preferred.***

**2. System Administrator:**

- Manage and monitor Linux servers (Tomcat, DB, and middleware) in production and staging environments.
- Tune kernel and system parameters (memory, file descriptors, I/O schedulers, TCP stack, swappiness).
- Implement **system hardening** practices and conduct regular OS-level patching and upgrades.
- Deploy and maintain **web servers (Apache/Nginx)** and Java-based application containers (Tomcat).
- Automate deployment, log rotation, health checks, and service recovery scripts.
- Schedule and verify **incremental/full system backups**, ensure retention policies are enforced.

***Redis:***

- Deploy and configure Redis in standalone or sentinel mode.
- Monitor memory usage, TTL expiration rates, eviction policies.
- Tune maxmemory-policy, persistence (AOF vs RDB), and latency thresholds.

***Kafka & Zookeeper:***

- Manage Kafka cluster operations: topic creation, partitions, log retention, and monitoring consumer lag.
- Monitor and tune Kafka producer/consumer settings, ensure broker availability.

- Administer Zookeeper ensemble: maintain quorum, perform leader elections, and handle node failures.

#### **ELK Stack:**

- Configure Logstash pipelines to collect logs from various sources (Tomcat, systemd, DBs).
- Monitor Elasticsearch performance: heap size, disk usage, index count, cluster health.
- Build and maintain **Kibana dashboards** for real-time visualization and alerting.

#### **Technical Skills:**

##### **Systems & Tools:**

1. OS: Linux (RHEL, Rocky, Ubuntu), systemd, journalctl, logrotate, crontab
2. Network: ss, iptables, tcpdump, SSL/TLS configuration, hostname resolution

##### **Monitoring & Observability:**

- Prometheus Node Exporter.
- ELK Stack (custom parsing with Logstash, visualizations in Kibana)
- Grafana for dashboards and alert rules

##### **Automation & Scripting:**

- Bash scripting for health checks, log alerts, cron jobs

**Certification:** *Candidates having relevant OEM certification will be preferred.*

### **3. Junior Engineer :**

- Civil Engineering works
- Experience of Field Execution
- Billing of Civil Works of varied nature.

**Language Known :** Assamese, English, Hindi.

#### **How to Apply:**

Intending candidates fulfilling the above criteria may apply online through the official website of AMTRON from **14-07-2025** till **23-07-2025 (05.00 PM)**. On submission of the online application, the candidate will receive an acknowledgment which should be retained for use in future. Applications received through any other mode would not be accepted

**No other mode of application is acceptable.** The online application can be uploaded following the steps mentioned below:

- Visit **recruitment.amtron.in**
- Register yourself into website
- Login using your Registration No and Date of Birth
- Fill-up form/upload all documents mentioned therein and submit the online application form

#### **Supporting Documents to be uploaded:**

The applicant must upload the following documents while submitting his/her online application in JPG/JPEG format only to support the eligibility criteria mentioned above:

- Age Proof: 10<sup>th</sup> standard Admit Card/ certificate for examination or birth certificate.
- Latest passport size photograph
- Scanned copy of his/her signature
- Photo Identity Card: PAN card/Driving License/Passport/Voters ID card/Aadhaar Card or any other ID card issued by a Govt. Agency.

- Address Proof : Any one of voter id, aadhaar card, electricity bill, ration card, passport, driving license
- Educational Qualification certificates from X<sup>th</sup> standard onward

The size for photograph and signature should be less than 100 KB and for all other documents the size should not exceed 500KB.

**Important Dates:**

Opening Date for submission online application: **14-07-2025**

Last Date for submission online application: **23-07-2025 (05.00 PM)**

**Selection Procedure:**

Online applications will be shortlisted on the basis of the eligibility criteria and educational qualification. List of shortlisted candidates will be uploaded in the website [recruitment.amtron.in](http://recruitment.amtron.in). The shortlisted candidates will be called for viva-voce through downloadable call letters. Selection Committee(s) will be constituted for viva-voce. Selection of the candidates will be done on the basis of their performance in test/viva-voce, educational qualification and work experience. No TA/DA will be entertained for appearing in the test/viva-voce.

**Please Note**

Incomplete or wrongly filled applications will be summarily rejected. The form submission website will not allow submission of incomplete forms. On submission of the online application form and uploading all documents mentioned therein.

Grievance-Related Inquiries: Candidates having any questions, grievances, or need clarifications, please email us at: [recruitment@amtron.in](mailto:recruitment@amtron.in)

Sd/  
Managing Director,  
Assam Electronics Development Corporation Ltd.