অসম ইলেকট্রনিক্স উন্নয়ন নিগম পৰিসীমিত
(অসম চৰকাৰৰ অধীনস্থ প্ৰতিষ্ঠান)
Assam Electronics Development Corporation Ltd.
(A Govt. of Assam Undertaking)
CIN: U31909AS1984SGC002155

No: AEDC/IT/SEED/21-22/516/25098

Date: 15/10/2025

Notice Inviting Quotation

Sealed quotations are invited from interested AMTRON empanelled vendors for Design, Development, Integration and Maintenance of NCS Query-Based Vacancy API for the Directorate of Employment & Craftsmen Training, Rehabari, Guwahati.

Quotation submission date: 22/10/2025 Time: 2 PM

Quotation opening date: 22/10/2025 Time: 3 PM

DGM, AEDC Ltd.

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1. Project Background

The Directorate of Employment & Craftsmen Training (DECT), Assam aims to strengthen employment facilitation services through integration with the National Career Service (NCS) platform. The NCS Query-Based Vacancy API integration will enable job seekers to access live job vacancies directly from the NCS portal based on user-defined criteria, thereby enhancing employment accessibility and transparency.

2. Project Objectives

- Enable seamless job vacancy search for registered users based on NCS data.
- Allow users to apply directly for jobs through the NCS portal.
- Ensure secure, efficient, and real-time data exchange between DECT and NCS systems.
- Implement robust monitoring and error-handling mechanisms for reliable performance.

3. Functional Specifications

3.1 Requirement Analysis

Identify key search parameters (job title, location, salary range, etc.), define expected API outputs, and finalize user interactions for job applications.

3.2 API Documentation Review

Review NCS API documentation, endpoints, request/response formats, authentication methods, and SDK availability.

3.3 Development & Testing

Implement backend API calls to fetch job vacancies based on user inputs and test the integration for accuracy and performance.

3.4 Error Handling & Security Implementation

Develop comprehensive error handling for API response codes, secure API keys, and implement retry mechanisms for temporary failures.

3.5 Deployment & Monitoring

Deploy integration to production and establish monitoring systems for continuous performance tracking and issue alerts.

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4. Technical Specifications

Component	Specification/Technology
Backend	Python/Django Framework with RESTful API integration
Frontend	Integration with existing DECT job portal (React-based UI)
Database	PostgreSQL or equivalent for secure data handling
Hosting	Assam State Data Centre for data residency compliance
Security	HTTPS, Role-based Access, Secure API Keys, Audit Logs
Monitoring	Error tracking via tools like Sentry/New Relic

5. System Workflow

- Requirement gathering and analysis of existing system.
- API documentation study and validation with NCS endpoints.
- Development of backend integration and user interface linkage.
- Testing of various query scenarios and job application flow.
- Deployment and monitoring for performance assurance.

6. Deliverables

- Source code and integration scripts post-completion.
- Technical documentation and API usage guide.
- Training session for key DECT personnel.
- Post-deployment monitoring setup and report.

7. Eligibility Criteria

The bidder must be an AMTRON empanelled firm/company with at least 3 years of experience in software development and API integration.

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8. Terms & Conditions

- Bids must be inclusive of all taxes, duties, and other charges.
- Vendor must submit invoice and all supporting documents upon successful completion.
- Payment will be released once funds are received from DECT, Guwahati, Assam.
- Project timeline: approximately 2–3 weeks from the date of work order.

9. Cost Estimate

Sl No	Description	Rate (INR)	Amount (INR)
1	Design, Development, Integration and Maintenance of NCS Query-Based Vacancy API (Requirement Analysis, API Documentation Review, Development & Testing, Error Handling & Security Implementation, Deployment & Monitoring etc.)		
2	Net Amount		
3	GST (..... %)		
4	Gross Amount		

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For AEDC Ltd.

.....15/10/2025..