

TOPIC 11:

Request for Proposal (**RFP**) for Transportation Management System (**TMS**) Software

Introduction

ITL Logistics Group invites qualified software development companies to submit proposals for the design, development, implementation, and maintenance of a comprehensive Transportation Management System (TMS) software solution. This system is intended to streamline and enhance our transportation and logistics operations.

About ITL Logistics Group

ITL Logistics Group is a leading logistics and transportation company with a global presence. We specialize in providing end-to-end supply chain solutions to our clients, and we are committed to delivering excellence in every aspect of our services.

Objectives

The primary objectives of this RFP are to:

1. Select a software development partner to design, develop, implement, and maintain a robust TMS software solution.
2. Improve the efficiency and effectiveness of our transportation and logistics operations.
3. Enhance visibility, control, and reporting capabilities across our transportation network.
4. Optimize resource utilization and reduce operational costs.

Requirements

Functional Requirements

1. Order Management

Ability to manage and track customer orders from creation to delivery.
Real-time order tracking and status updates.

2. Carrier Management

Maintain a database of approved carriers, their capabilities, and performance history.
Assign and manage carriers for each shipment based on predefined criteria.

3. Route Planning and Optimization

Efficiently plan and optimize delivery routes.
Support for multiple transportation modes (truck, rail, ocean, air, etc.).
Integration with real-time traffic and weather data for route adjustments.

4. Inventory Management

Monitor and manage inventory levels in warehouses and during transportation.
Generate alerts for low inventory levels or potential shortages.

5. Shipment Tracking

Provide real-time tracking of shipments using GPS and RFID technologies.
Notification and alerts for delays or exceptions in shipments.

6. Billing and Invoicing

Generate accurate invoices based on shipment data.
Support for various billing structures (e.g., per-mile, per-pallet, flat-rate).

7. Reporting and Analytics

Generate comprehensive reports on transportation performance, costs, and KPIs.
Advanced analytics for trend analysis and decision-making.

8. User Management and Access Control

Role-based access control to ensure data security.
User-friendly interface for employees with different roles and responsibilities.

Technical Requirements

1. Scalability and Performance

Ability to handle a high volume of transactions and data.
Scalable architecture to accommodate future growth.

2. Integration Capabilities

Seamless integration with existing ERP and CRM systems.
Compatibility with third-party logistics providers and carriers.

3. Security

Data encryption in transit and at rest.
Regular security audits and updates to address vulnerabilities.

4. Data Backup and Recovery

Automatic data backup and disaster recovery procedures.

5. User Training and Support

Comprehensive training for ITL Logistics Group staff.
Ongoing technical support and maintenance.

Scope of Work

The scope of work includes, but is not limited to:

1. Design and Development

Detailed system design based on ITL Logistics Group's requirements.
Development of the TMS software according to industry best practices.

2. Testing and Quality Assurance

Rigorous testing of the software to ensure functionality and security.
Addressing any bugs or issues identified during testing.

3. Implementation

Deployment of the TMS software in ITL Logistics Group's infrastructure.
Data migration from existing systems, if applicable.

4. Training

5. Providing training sessions for ITL Logistics Group's staff.

6. Support and Maintenance

7. Ongoing technical support and maintenance services.

8. Documentation

Comprehensive documentation of the system's architecture, features, and functionalities.

Proposal Submission

Interested parties are invited to submit their proposals no later than 30/09/2023. Proposals should be sent electronically to thomas@iist.vn

Evaluation Criteria

1. Proposals will be evaluated based on the following criteria:
2. Technical Expertise: Demonstrated experience in developing TMS solutions.
3. Functional Fit: The extent to which the proposed solution aligns with ITL Logistics Group's requirements.
4. Scalability: Ability to support the growth of ITL Logistics Group's business.
5. Integration Capabilities: Proven experience in integrating with other systems.
6. Security: Measures in place to ensure data security and compliance.
7. Cost: The overall cost of the proposed solution, including implementation and ongoing support.

Conclusion

ITL Logistics Group looks forward to receiving proposals from qualified software development companies. The successful vendor will play a critical role in enhancing our transportation and logistics operations. If you have any questions or need clarification on any aspect of this RFP, please contact thomas@iist.vn

Thank you for considering our request. We look forward to receiving your proposal.

Sincerely,

ITL Logistics Group