

# Transport Department, Government of Bihar

Transport Department Office, 2nd Floor, Visveswaraya Bhawan, J N L Marg Patna – 800015

## Public Notice

### Expression of Interest (EOI) and Stakeholder Consultation

**Subject:** Expression of Interest (EOI) number: 05-269/2025-270 dated 17/4/26 regarding Bihar State Intelligent Traffic Management System (ITMS) Project.

Transport Department, Government of Bihar invites all relevant stakeholders and industry participants for a **Stakeholder Consultation** on the proposed **Intelligent Traffic Management System (ITMS)** Project to be implemented across the State of Bihar.

#### **Participation is invited from:**

Established Industry Leaders / OEMs / System Integrators / Master System Integrators / AI Companies / Network Solution Providers etc. with experience in large-scale technology deployments.

#### **Key Project Scope:**

The project scope includes AI based Electronic Enforcement (ITMS), Adaptive Traffic Control system (ATCS), Incident Detection System, General Surveillance, Facial Recognition (FR) System, GST eWay Bill Verification, tracking and monitoring of vehicles used to carry mining goods particularly etc. The project would include design and development of Traffic Management Center (TMC), per district Viewing Center (VC) and allied services such as Software, Hosting Infrastructure (DC & DR), Network, Power, Manpower Services etc. These solutions under the project are expected to be implemented across the state, including on State & National Highways and major cities, selected Toll Plazas etc. The selected vendor is expected to implement these systems at ~500 to 700 locations and operate and maintain the same for a period of 10 years from date of Project Go-Live. The estimated project cost is ~INR 300+ Cr.

**Detailed Expression of Interest (EOI) document is available on:** Notice board section on department website - [state.bihar.gov.in/transport](http://state.bihar.gov.in/transport). Participants may contact Mr. Rajeev Kumar, Road Safety Vehicle Engineer, on 79922 67463 for any query.

**Consultation Date:** Tuesday, 28 April 2026, 03:00 PM

**Venue:** Conference Hall, Visveswaraya Bhavan, J N L Marg Patna.

**Max. Representatives:** 02 per organization

**E-mail to Participate:** Share the details of representatives (Name, Contact number and official email ID) on [stcbihar@bihar.gov.in](mailto:stcbihar@bihar.gov.in), on or before 24 April 2026, 3:00 PM.

**Expectation from participants:** Suggestions and recommendations for the project success on project scope, technical suggestions, implementation models, critical success factors etc. The participants may submit their document (without any confidential and cost information) on the above-mentioned email id, which shall not be more than 20 pages per firm. The same shall be emailed on or before 24 April 2026, 3:00 PM.

All eligible industry participants are invited to contribute their insights for shaping this critical State-wide initiative.

-SD-  
Secretary  
Transport Department, Bihar

**TRANSPORT DEPARTMENT, GOVERNMENT OF BIHAR**



**EXPRESSION OF INTEREST (EOI)**

**Bihar State Intelligent Traffic Management System (ITMS) Project of  
Transport Department, Government of Bihar**

*EOI Notice No: 05-269 / 2025-270*

*Date: 17 April 2026*

***Issued By:***

Transport Commissioner Office,  
2<sup>nd</sup> Floor, Visveswaraya Bhawan,  
J L.N Marg Patna - 800015  
Tel: 0612-2547448  
Mobile No: - 79922 67463  
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## 1. Disclaimer

This Expression of Interest (EoI) **regarding Bihar State Intelligent Traffic Management System (ITMS) Project**” is issued by Transport Department, Government of Bihar.

Whilst the information in this EoI has been prepared in good faith, it is not and does not purport to be comprehensive or to have been independently verified. Neither Transport Department, Government of Bihar, nor any of its officers or employees, nor any of their advisers nor consultants accept any liability or responsibility for the accuracy, reasonableness or completeness of the information contained in the EoI, or for any errors, omissions or misstatements, negligent or otherwise, relating to the proposed “Bihar State Intelligent Traffic Management System (ITMS) Project”, or makes any representation or warranty, express or implied, with respect to the information contained in this EoI or on which this EoI is based or with respect to any written or oral information made or to be made available to any of the recipients or their professional advisers and, so far as permitted by law and except in the case of fraudulent misrepresentation by the party concerned, and liability therefore is hereby expressly disclaimed.

The information contained in this EoI is selective and is subject to updating, expansion, revision and amendment at the sole discretion of Transport Department, Government of Bihar. It does not purport to, contain all the information that a recipient may require for the purposes for deciding for participation in this process. Respondent shall undertake their own due diligence regarding the information provided in this EOI, the proposed project, and the applicable legal, financial, and regulatory framework, and shall seek independent professional advice as deemed necessary. Transport Department, Government of Bihar shall not be responsible for any direct or indirect loss or damage arising out of or for use of any content of the EoI in any manner whatsoever. Transport Department, Government of Bihar reserves the right to reject any or all the response to the EOI without assigning any reason thereof.

Transport Department, Government of Bihar may terminate the EOI process at any time without assigning any reason and upon such termination Transport Department, Government of Bihar shall not be responsible for any direct or indirect loss or damage arising out of such a termination.

Respondent should avoid submitting confidential, proprietary, or sensitive information as part of the EOI. All information submitted shall be deemed non-confidential, and the Department shall not be liable for any disclosure thereof. All such information shall be property of the Department.

## 2. Background

The Department of Transport, Government of Bihar (GoB), being a Regulatory Department is responsible for Implementation & Enforcement of various statutory provisions of Motor vehicle Act, 1988, Central Motor Vehicles Rules, 1989 & other rules framed thereunder State Taxation Acts etc. to regulate Road Transport, Passengers & Freight Movement. The Transport Department (GoB) is making dedicated efforts to provide citizen-centric, transparent service delivery and responsive governance through its field forces of 38 DTOs and 9 RTAs. In recent years, the Department has made significant efforts to bring about a substantial transformation in these offices to ensure the smooth delivery of services to the public. Online services are being introduced in a phased manner, enabling residents of remote areas, small farmers, and economically weaker sections to access essential services without the need to visit departmental offices. In addition, road safety initiatives are gaining momentum and evolving with new dimensions. The department endeavors to strive for a harmonious relationship between the public and officials to serve the public better.

Bihar has witnessed significant growth in vehicular population, resulting in increased traffic congestion, violations, and road accident fatalities. To address these challenges and align with the national objective of reducing road fatalities by 50% by 2030, the Department proposes statewide deployment of ITMS in compliant with:

- Section 136A of the Motor Vehicles Act, 1988
- Rule 167A of the Central Motor Vehicles Rules, 1989

The project will leverage AI, IoT, ANPR, adaptive signaling, and integrated command-and-control systems to enable transparent, scalable, and efficient traffic governance.

As part of the EOI exercise, the Department invites constructive inputs and suggestions from interested Industry Leaders / OEMs / System Integrators / Master System Integrators / AI Companies / Network Solution Providers etc. to further refine and finalize the project structure, scope, and implementation framework prior to issuance of the RFP.

Authority reserves right to reject any or all proposals and responses without assigning any reason.

## 3. Objective

**The objectives of this EOI are to:**

- Gauge market interest and capability of potential market leaders.
- Obtain inputs on technology, deployment approach, and best practices.
- Understand respondent experience in similar large-scale ITMS EPC / PPP projects.
- Obtain inputs on critical success factors.
- Discuss the implementation models with the potential leaders in the market.

## 4. Introduction

The Transport Department, Government of Bihar (hereinafter referred to as “the Department”) invites Expressions of Interest (EOI) from reputed and experienced established Industry Leaders / OEMs / System Integrators / Master System Integrators / AI Companies / Network Solution Providers etc. with experience in large-scale technology deployments for the implementation of Intelligent Traffic Management System (ITMS) project in Bihar.

The proposed ITMS aims to transform traffic enforcement and management in Bihar through automated, evidence-based, technology-driven systems to improve road safety, compliance, congestion management, incident response, and revenue protection.

## 5. Project Scope of Work (High Level)

### I. Core Components

**The ITMS project will broadly include, but not be limited to:**

#### a. Electronic Traffic Enforcement Systems

- Speed Violation Detection (Spot Speed)
- Red Light & Stop Line Violation Detection
- No-Helmet, Seatbelt, Mobile Phone Usage, Wrong Way, Triple Riding violations etc.
- Automated e-Challan generation and integration with NIC's eChallan systems

#### b. Adaptive Traffic Control System (ATCS)

- Centrally controlled adaptive traffic signals at major junctions of the cities
- Real-time traffic sensing and signal optimization
- Green corridor management for emergency and VVIP movements

#### c. Command & Control Ecosystem

- Central Traffic Management Center (Patna)
- District-level Viewing Centers
- Dashboards, analytics, SLA monitoring, evidence management

#### d. Surveillance, Incident & Emergency Management

- Facial Recognition
- AI-enabled accident/incident detection
- Integration with Dial-112 and emergency response agencies

#### e. GST e-Way Bill & Mining Enforcement

- ANPR-based GST validation
- Mining vehicle and driver facial recognition systems
- Real-time alerts and enforcement intelligence

#### f. Field and supporting Infrastructure

- ANPR cameras, PTZ cameras, VMS
- Public Address Systems
- Road markings and signage as per IRC & Rule 167A
- Network, power, manpower, hosting etc.

### II. Project Coverage (Indicative)

- ~500 to 700 locations spanning highways, junctions, toll plazas, mining areas
- One Central Command Center and one Viewing Center per district
- Proposed Project Execution Period: 14 months
- Operations & Maintenance: 10 years post Go-Live
- Integration with respective system (such as CCTNS / Vahan / Sarathi / e-challan / NIC / ERSS / GST / Mining Department's systems etc.)

**List of Indicative violations to be detected such as:**

- Speed Violation (Spot and Average)
- Red Light Violation and Stop Line
- Seat Belt and Mobile Phone violation
- Wrong Way Driving / Wrong Side Driving
- Triple Seat Driving
- Without Helmet Driving
- Non-standard number plate
- Lane discipline violation (Driving in wrong lane, overtaking from left)
- Unauthorized parking
- Suspected overload Vehicle Violation detection
- Commercial vehicles plying without tail-light and reflectors
- Passenger vehicle carrying more than defined capacity
- Carrying passenger in goods vehicle
- Projection of load
- Securing of goods in vehicle
- Fitness expired, tax due, Insurance, PUC, permit non valid etc.
- Plying without valid GST eWay bill

**6. EOI Response**

Established and Interested participants may submit a **concise EOI response not exceeding 20 pages** covering the following sections:

**A. Company Profile**

- Legal status
- Organization structure
- Years of operation in similar industry

**B. Technical Capability**

- Proposed ITMS architecture (high-level)
- AI/analytics capabilities
- Compliance with MV Act / CMVR / Rule 167A
- Suggestions and Recommendations
- Critical Success Factors

**C. Suggestions on Implementation Models**

- Experience in PPP or hybrid annuity / transaction-based projects
- Understanding of challan-linked revenue mechanism
- Risk sharing approach (indicative)

**D. Operations & Maintenance Approach**

- O&M strategy for 10 years

**E. Suggestions & Value Additions**

- Innovative measures
- Global best practices
- Scalability and future enhancements
- Implementation strategy and way forward

**Respondents are encouraged to provide non-binding, indicative suggestions covering the following aspects:**

- Suggestions on optimization of proposed scope of ITMS components
- Recommendations on camera technologies, AI/analytics engines, ATCS systems, and command & control platforms
- Compliance approach with Motor Vehicles Act, CMVR, Rule 167A, and judicial admissibility standards
- Suggestions on PPP structuring, revenue-sharing mechanisms, and risk allocation
- Inputs on challan-based payment models, IRR capping mechanisms, and safeguard provisions
- Suggestions to ensure financial sustainability while protecting public interest
- International or Indian best practices in similar PPP ITMS projects
- O&M framework for long-term sustainability (10 years)

**Note:**

- All suggestions provided under this section shall be non-binding on the Department.
- Submission of suggestions will not confer any advantage or disadvantage to respondent during subsequent stages.
- The department reserves the right to accept, modify, or reject any suggestions received without assigning any reason.
- The final scope, technical specifications, and commercial terms shall be defined exclusively in the RFP.

**7. Annexure - A: Letter of Submission**

(On the letterhead of the respondent)

To,

Date:

The Transport Commissioner Office,  
2<sup>nd</sup> Floor, Visveswaraya Bhawan,  
J L N Marg Patna - 800015  
Tel: 0612-2547448.

**Sub: Response to EOI regarding Bihar State Intelligent Traffic Management System (ITMS) Project of Transport Department, Government of Bihar**

**Ref.:** Notice in Newspaper

Dt. . . 2026.

Sir,

Being duly authorized to represent and act on behalf of \_\_\_\_\_ (hereinafter referred to as "the Respondent firm") and having reviewed and fully understood all of the requirements and information provided, the undersigned hereby express our interest **“regarding Bihar State Intelligent Traffic Management System (ITMS) Project”**, we confirm that we have examined the terms and conditions published in the EOI and accordingly submitting our response for the captioned project.

We are enclosing our response in original with the details as per the requirements of the document for your perusal.

The undersigned hereby also declares that the statements made, and the information provided in the proposal is complete, true, and correct in every detail and unconditional.

.....  
**Name of the Respondent**

.....  
**Signature of the Authorized Person**

.....  
**Name of the Authorized person**