A photograph of a busy toll plaza with multiple lanes of traffic. Many cars are stopped or moving slowly. There are "STOP" signs and overhead signs in Hindi. The scene is framed by large, overlapping orange and white circular graphics.

## Electronic Toll Management Solution (e-TMS)


An Electronic Toll Management Solution (e-TMS) is a wireless system that automatically collects the toll charge or usage fee for vehicles using toll roads, bridges, tunnels, and HOV lanes. It is a faster alternative that has replaced toll booths, where the driver used to pay manually via cash.

The system is equipped with an automated radio transponder device that detects the vehicle that passes an embedded toll license plate reader device and generates radio signals. Further, it transmits back the identified registered number of the vehicle and charges toll charge from the user via electronic payment mode.


EFKON India's **e-TMS** helps in all electronic toll collection in free-flow traffic or automated payments at conventional toll plazas, high-occupancy vehicles (HOV) lanes, toll bridges, tunnels, etc. We design, implement, and maintain an optimal solution to meet our clients' tolling needs.

Our in-house toll management solutions help in smooth toll collection via smart cards, RFID technology (FASTag), and manually. We provide leakage and tampered proof electronic toll collection with theft identification. It also comes with an Automatic Vehicle Classifier (AVC) of 99% high accuracy, queue length monitoring system, and User Fair Display (UFD) for toll lanes.

Contact Us

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## Key features

- AVC enabled with 99% accuracy
- Hybrid ETC lanes both manual and Touch n Go
- Queue length monitoring system with transaction mapping
- Supports multiple transaction types including FASTag
- User Fair Display (UFD) for toll lanes
- In-house built solutions with theft detection



## Advantage of using EFKON's AVC



Generates revenue without leakages



Better traffic management and control



Cashless and tampered-proof electronic toll collection



Smooth toll collection with low transaction costs



Reduced congestion at interchange junctions



Well-equipped toll plazas at every interchange



A hassle-free and seamless experience for users

## Why EFKON?

19 years of domain expertise and seasoned cross-functional teams

Strong presence in the growth markets (highways and smart cities)

End-to-end traffic management system products

Track record of award-winning successful project executions

## Hyderabad Outer Ring Road (ORR) - Case Study

Implemented Toll Management Solutions (TMS) for the Outer Ring Road (ORR), Hyderabad, India which led to improved traffic flow and decongestion on the existing significant arterials between the outer suburbs of Greater Hyderabad. EFKON India installed the Toll Management Systems (TMS) at 19 interchanges of the ORR with 157 Manual and Touch 'n Go lanes and 23 Electronic Toll Collection (ETC) lanes to maintain mainline traffic flow and smooth toll collection.

## Our key clients include



### EFKON – A Global Leader in Intelligent Traffic Management Systems

EFKON India is a pioneer in bringing innovative products for Intelligent Traffic Management system in India since 2001. It is a wholly-owned subsidiary of STRABAG, a leading infrastructure company with revenue of € 15.67 Billion (2019). EFKON India help clients with end-to-end solutions for:

- Advanced Traffic Management System for Smart Highways and Smart Cities
- Intelligent Revenue Collection and Assurance Systems for Smart Highways and Smart Cities
- Intelligent Transport Management Systems for Logistics and Fleet Operations

For more information, please visit [www.efkonindia.com](http://www.efkonindia.com).



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