

## Success Story in Traffic Control and Enforcement

*This is a true success story of Traffic Control and Enforcement by the public police office in India, which began in July 2009 as pilot project. The police office deploys the Traffic Regulatory Management System, with 70 units of Casio IT-3000 series Industrial Data Terminals in its initial stage, to all the offices and police officers.*

Importer/Distributor	: Purple Infotech Pvt. Ltd.
Customer	: Tamil Nadu Police and Uttarakhand Police, India
Location	: City of Tiruchirapalli, Tamil Nadu State in India
Product	: CASIO IT-3000 Industrial Data Terminal
Application	: Traffic Control and Enforcement

### Background Reason

Information Technology has revolutionized our lives, with conventional methods of operation being replaced in almost every walk of life. Though much effort has been taken to integrate IT into management, a lot remains to be done. Today, information is the key and those who have it at their fingertips and use it, manage things better. In order to reap the benefits of technology and to keep pace with information, Casio India distributor **Purple Infotech Pvt. Ltd.** has developed a state-of-the-art **Traffic Regulatory Management System.**

A major drive has been undertaken by the Government of India in the area of traffic management, and it has come forward to support the Indian police across India to help in reducing traffic violations. The government has agreed to deploy the necessary tools and investments to augment this process.

A pilot project was initiated at Trichy city in Tamil Nadu and at Dehradun in Uttarkhand state. After seeing the success of the pilot project, more states in India are planning to deploy the TRMS (“Traffic Regulatory Management System”) solution in various cities. Purple Infotech has deployed the Casio IT-3000 series for this project, and is hopeful of gaining a sizable market share in the industry.



# “Total Automation of Ticket Process” at a Glance

The **Traffic Regulatory Management System** (“TRMS”) comprises desktop PC and printers at various traffic control offices including traffic divisional officers, Casio IT-3000 Industrial Data Terminal handheld computers with built-in printer ([click here for more product information](#)) to the field force for issuing on-the-spot fine tickets, and GPRS connectivity provided by a third party PC card in the IT-3000 for accessing information from a central server.

TRMS also includes software built on the RDBMS/Oracle-9 platform for storing signature and photographs in digital format, the central server at traffic headquarters which would be the backbone of the traffic police, connectivity between RTO (“Regional Transport Office”) and the central server for daily update of license/recorded vehicle information, communication/application software to transmit data from the central server to divisional offices/RTO's/Casio IT-3000.



The Traffic Regulatory Management System is:

- A state-of-the-art Online Traffic Management System.
- A first for India.
- Dynamic, intelligent and efficient.
- Replaces all manual operations.
- Easy monitoring and regulation of traffic.
- Quick access to vehicle and license information in the field.
- Instant spot fine booking.
- Instant access to previous offence history.

## Features of E-Challan (Ticket) Application on IT-3000

- The communication between the server and the IT-3000 is through either WLAN or GPRS\*.
- Every ticket issued has a unique number.
- The IT-3000 system has access to the main server, and displays upon request, pop-up tables/codes, vehicle and license details, all types of offences, fines, ticket types, vehicle details, etc., in order to minimize the amount of data that needs to be entered by the police officer.

- The system is able to access from the main server data relating to previous offences of a particular violator.
- The IT-3000 system is able to input and print multiple offences on the same ticket.
- The date and time of the offence to be printed on the ticket is generated automatically by the IT-3000, thus minimizing manual insertion of data. When keying the type of offence, the IT-3000 software inserts the fine amount automatically.
- Ticket validation: The IT-3000 software validates ticket fields automatically before the ticket is printed. The system ensures that certain fields are properly completed before allowing the ticket to be printed.
- When downloading application software or pop-up tables or lists to the IT-3000, or uploading ticket records to the server, synchronization of the IT-3000 system is automatic, in order to minimize human intervention.
- Automatic uploading of data (tickets) to the DB Server.
- Viewing previous offence history: The application provides features so that when a vehicle number is entered, the server is able to send all the details relating to the vehicle, including previous offence history and any outstanding amounts due from previous offences.
- Day end reports are sent to all the senior police officials via SMS\* from the central server.
- Solution enables traffic field personnel to access the back end vehicle database via GPRS\* to the IT-3000.
- The handheld application has the capability to print data from the built-in thermal printer.
- Automatic adjustment of screen lighting levels for indoor and outdoor since data access will be from the field.
- Has the capability to encrypt data residing on the IT-3000.

\* This feature is scheduled to be available in the near future.