Smart Cities- PPP solutions in Traffic & Crime Management

INTEGRATED DIGITAL TRAFFIC ENFORCEMENT SYSTEM (ITES)

Replacing physical check with Cameras and Equipment's

The primary checking conducted by the police is now for detecting the following offences-

- - Over speeding.
- - Overloading,
- - Rash and negligent driving,
- - Drunken driving,
- - Wrong side overtaking,
- - Red light jumping,
- - Crossing the yellow line,
- - One way violations,
- - Not stopping at zebra crossings etc.

MH 06 BM 1806

License Plate: MH06BM1806
Speed: 37 kmph

JK02BK7101

License Plate: JK02BK7101
Speed: 36 kmph
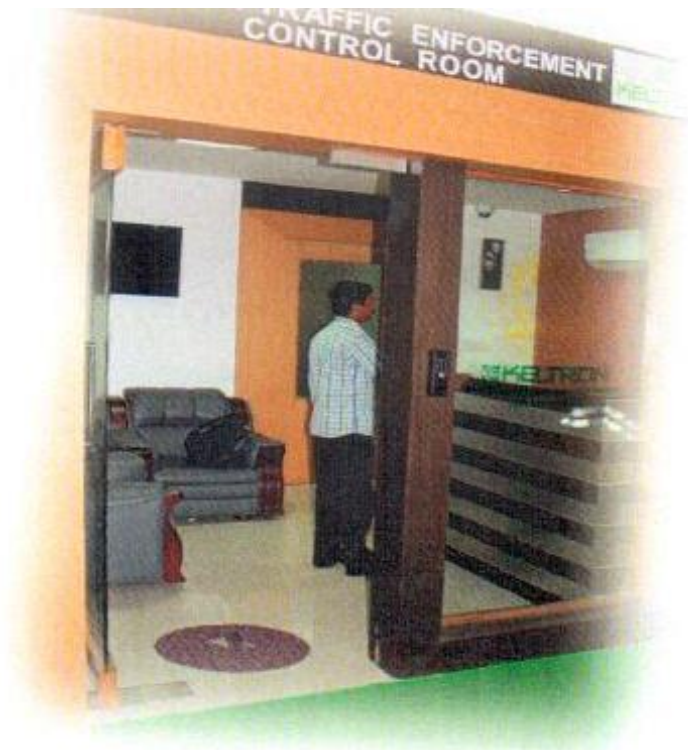
Ingredients of the ITES

- 600 Speed-limit Violation Detection Systems (SVDS),
- 400 AI Camera (Artificial intelligent) based Enforcement System,
- 120 Mobile SVDS systems with vehicles,
- 120 Red-light Violation Detection Systems (RLVD)
- 400 Helmet Absence Detection Systems (HADS)
- identify non-compliance of the Expired Pollution Under Control (PUC) Certificate.
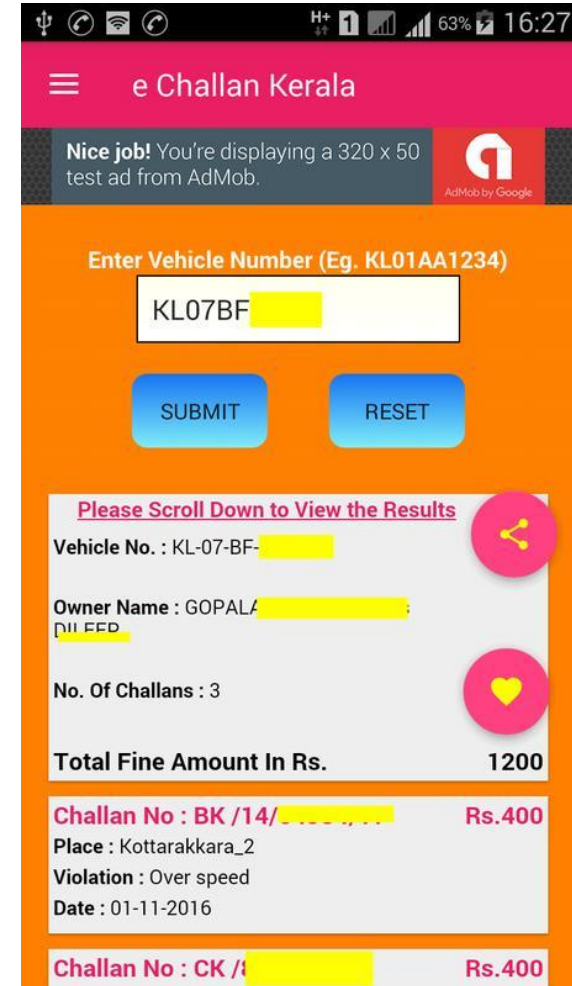
PPP Project

- Concession period of 10 years
- CAPEX and OPEX by the Bidder
- Technology by the Bidder
- Asset ownership with the Bidder
- Data and Software ownership with Kerala Police
- Successful bidder obtains revenue through sharing of fine generated from violation challans

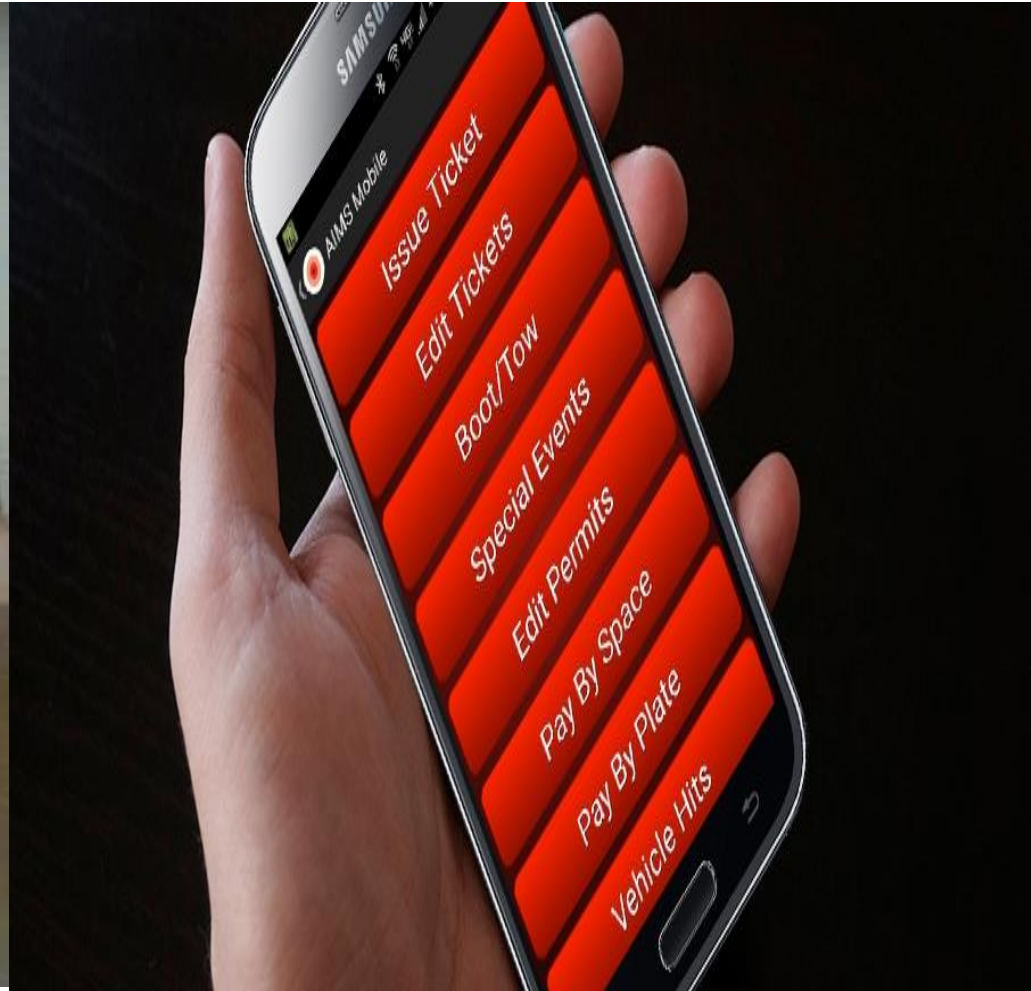# Digital Enforcement and Fine collection in PPP Mode

Mobile Application for enforcement

E Challan and payment gateway with HDFC Bank
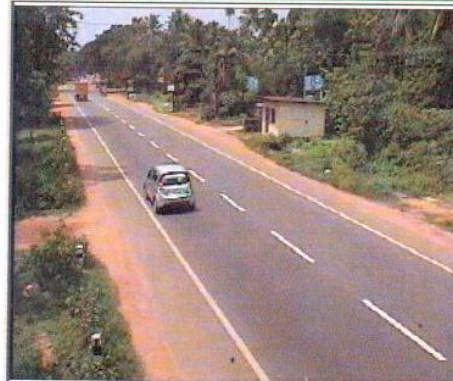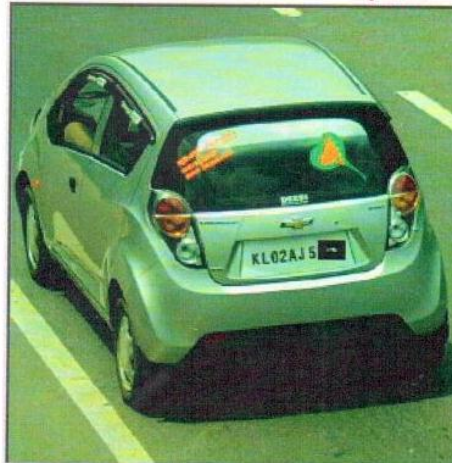
Devices to be used for digital enforcement
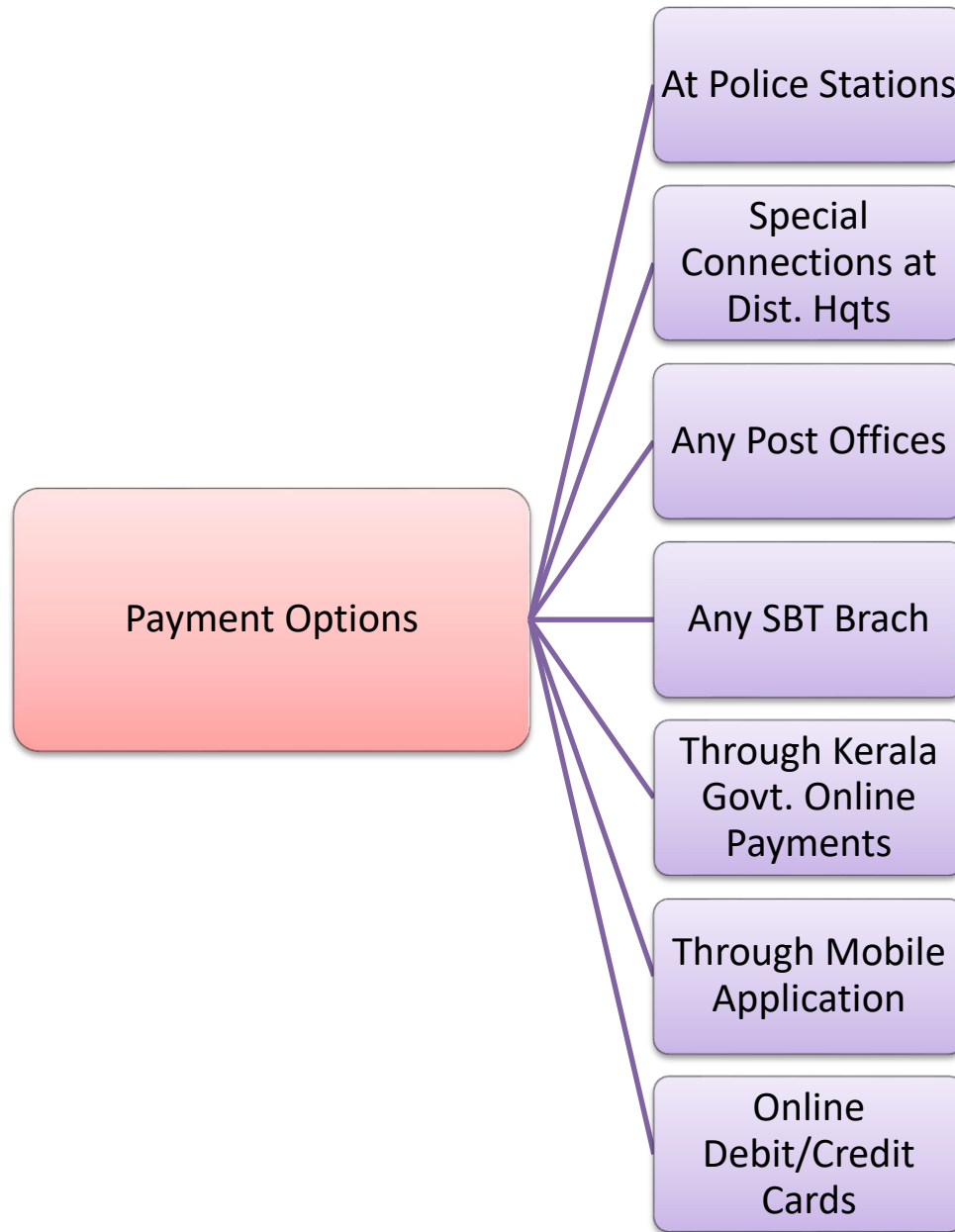
16 Digit Integrated Challan from Kerala Police

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                                                ┌─────────────────────┐
                                                │   At Police Stations │
                                                └─────────────────────┘
                                                ┌─────────────────────┐
                                                │      Special         │
                                                │  Connections at      │
                                                │     Dist. Hqts       │
                                                └─────────────────────┘
                                                ┌─────────────────────┐
                                                │   Any Post Offices   │
                                                └─────────────────────┘
    ┌─────────────────────┐                     ┌─────────────────────┐
    │                     │                     │    Any SBT Brach     │
    │   Payment Options   │                     └─────────────────────┘
    │                     │                     ┌─────────────────────┐
    └─────────────────────┘                     │  Through Kerala      │
                                                │  Govt. Online        │
                                                │    Payments          │
                                                └─────────────────────┘
                                                ┌─────────────────────┐
                                                │  Through Mobile      │
                                                │    Application       │
                                                └─────────────────────┘
                                                ┌─────────────────────┐
                                                │     Online           │
                                                │  Debit/Credit        │
                                                │     Cards            │
                                                └─────────────────────┘
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Zero Cost to Government

- The E challan instrument is given free
- All maintenance costs with Federal Bank
- Costs of all consumables also with the Bank

CIMS – Central Intrusion Monitoring System

Thank You

Manoj Abraham IPS

ADGP Hqrs