

Network Toll Solution

Quest for Excellence

Toll Management System

TOLL PLAZA IMAGE



Introduction

Network Toll Solution is one of the leading technological Toll solution company providing end – to – end solution in high end security solution and integrated Hybrid toll Management.

Backed upon a strong and dedicated technical expertise, we work on the innovative solutions for the intelligent transportation system in India.

Our intelligent toll management system not only provides the powerful lane systems and sub – systems but also facilitate optimum revenue management free from all manipulations and fraud.

We will have better control on the entire system in term – Service Support Spare Maintenance

- We have in house IT and R & D team in Delhi.*
- We have team structure for on line and on site warranty support.*

- *We will provide on site and in house hardware and software training for quick trouble shoot to reduce down time.*
- *Being a manufacturer we can have knowledge sharing and micro information about all Nwtech hardware for a better management and control.*
- *If EPC Contractor desires than we can draw an agreement between EPC & NW-Tech for hardware and software integration as a single core team to avoid any kind of third party dependency, outsourced products, services, support, software etc.*
- *We can draw a SERVICE LEVEL AGREEMENT for better operations and technical assistance for smooth running of toll plazas.
We can also form a QUICK RESPONSE TEAM (QRT) under this agreement with proper escalation matrix.*

Solution Offering

The main objectives of the project are as follows:

- To automate the collection of toll fees
- Ensure classification and toll collections are easily reconciled
- Ensure live tracking and reporting of toll plaza collections
- To reduce and ultimately eliminate revenue leakage for the Plaza operator.
- This program is aimed to facilitate seamless movement of vehicles across all tolled roads
- To reduce the costs of enforcement using modern and appropriate technology.

Overview

Free-Flow Multi-Lane based on
SMART Tolling System



Law speed



Congested



lanes are closing for maintenance

High speed



24hours
365days
non-stop
operation

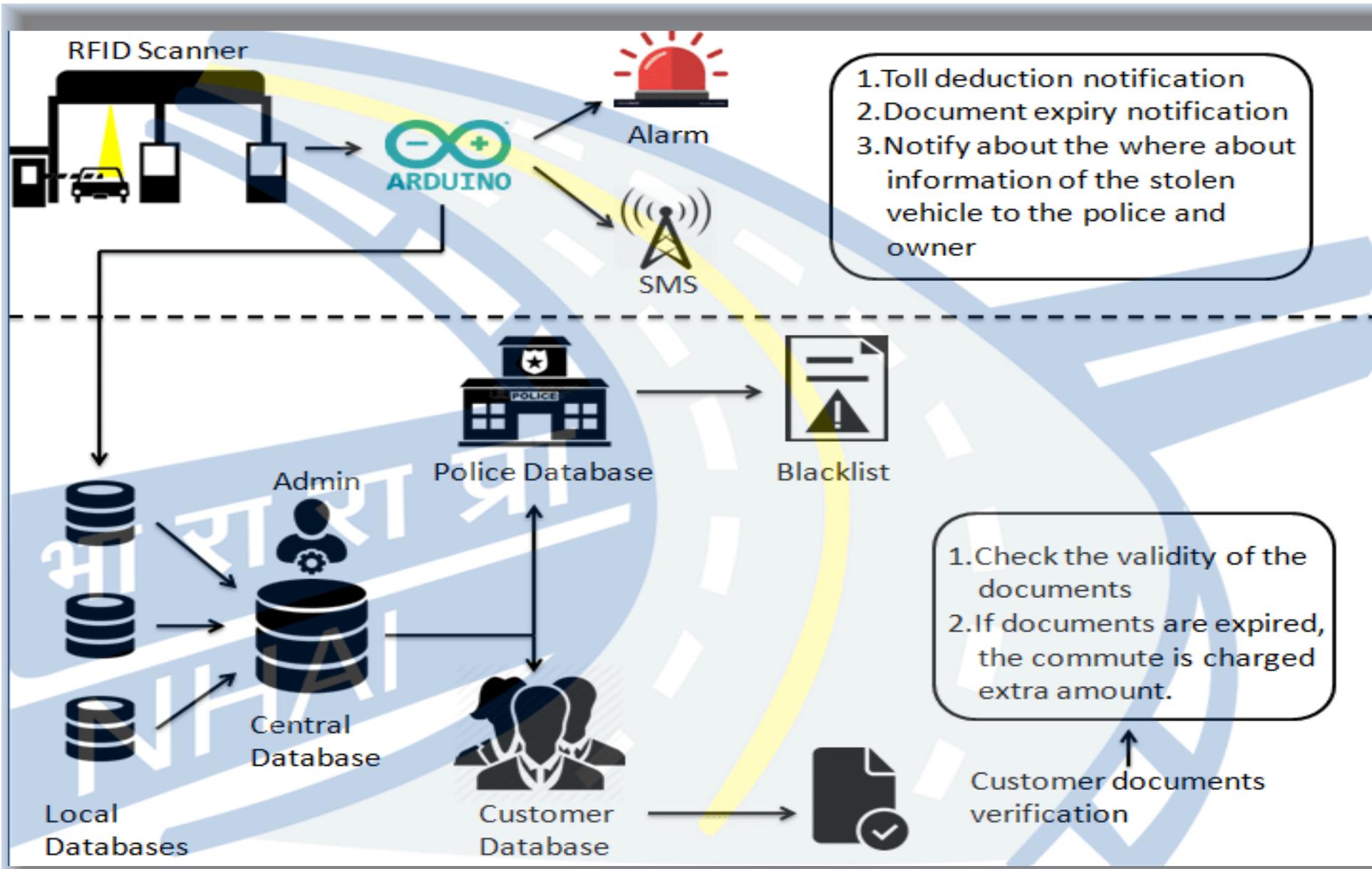


Smoothly



Eco-friendly





Features

- 3-Layer Security of Database and Application
- Auto Backup of Database
- Replication Recovery on System Failure
- highly Configurable & Upgradeable
- High standards for fraud avoidance & detection
- Centralization Server for Backups and Report
- cash management, cash-up function
- Hybrid ETC Lane System
- Proven Technology
- Independence Platform
- Advanced multi-section toll management
- Pre and Post Audit System
- Customization of Dynamic Reports

Features

- LSFU (Lane System Fare Unit)
- Only Keyboard Functioning
- Integration of high-speed lanes
- Conventional to free-flow tolling support
- 4+ Years of Experience
- Smart Card, barcode, QR-code ticketing feature
- Central Server MIS reports with Pattern and Trend analysis for Traffic & Revenue
- LSDU (Lane System Display System)
- Multiple Plaza's
- Closed and open system support
- Lane module Eco-friendly and easy to understand
- Application and Network Securities
- Our Advanced toll management system Is unique, effective and simple to use

Features

- Supporting multiple database systems
- Role based accessibility
- Supporting two types of user display
- Advertisements (Display advertisement in free time)
- Shift management
- Supporting several types of passes/cards
- Support Tally Accounting software
- Barcode scanner/ Smartcard reader/RFID Tags reader
- Configurable lane
- Configurable look and feel
- Offline Work capability
- Online reports
- Biometric Enabled (For login to the system)



BOOTH APPLICATION

v1.0

Reset Logout

Toll Management System

Current Operator: 167

Current Booth: 2

Current Shift: 2

Current Date: 22-04-2025 15:22:19

Vehicle Info

Car - F1

LCV - F2

Bus - F3

Truck - F4

EMV - F5

EXP-F6

Journey Info

Single - F7

Exempted - F8

Pass - F9

Vehicle Number

Overweight Amount	WIM	Remarks
<input type="text" value="Enter Overweight Amount here."/>	<input type="text" value="Enter WIM here."/>	<input type="text" value="Enter Remarks here."/>
Save	Clear (F10)	Process Tag (F11)

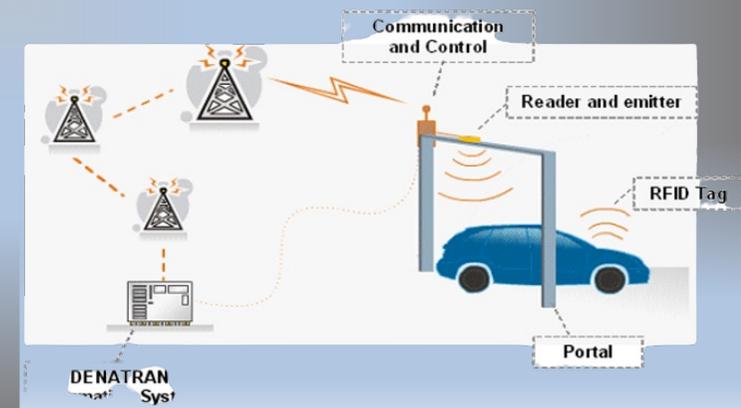
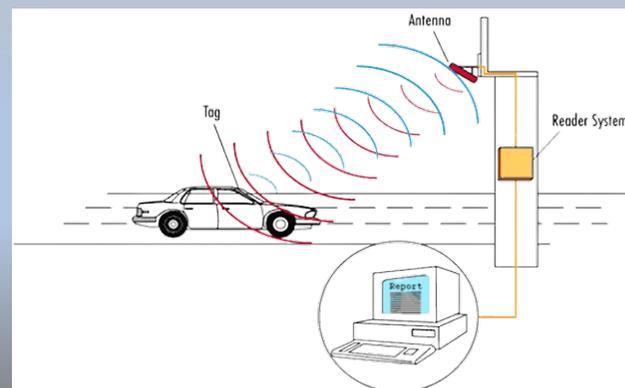
Receipt ID	Vehicle Type	Journey Type	Vehicle Number	Fare Collected	Payment Mode	Time Stamp	Receipt Status
1745314824...	Car/Jeep/Van	Exempted	MP09WJ7732	0.0	Cash	03:10:24 PM	SUCCESS
1745314645...	Car/Jeep/Van	Exempted	MP43ZD2523	0.0	Cash	03:07:25 PM	SUCCESS
1745314586...	Exempted	Exempted	TRA25	0.0	Cash	03:06:26 PM	SUCCESS
0000174531...	Car/Jeep/Van	Single	MP43C7315	30.0	Tag	03:05:20 PM	WHITELIST
0000174531...	LCV	Single	MH40CD7895	75.0	Tag	03:04:40 PM	WHITELIST
1745314350...	Car/Jeep/Van	Exempted	MP43ZE2045	0.0	Cash	03:02:30 PM	SUCCESS
1745314325...	Exempted	Exempted	AUTO25	0.0	Cash	03:02:05 PM	SUCCESS
0000174531...	Car/Jeep/Van	Single	RJ20TA4161	30.0	Tag	03:00:21 PM	WHITELIST
0000174531...	Car/Jeep/Van	Single	MP44ZE2981	30.0	Tag	03:00:04 PM	WHITELIST
0000174531...	Car/Jeep/Van	Single	RJ09CA8428	30.0	Tag	02:58:23 PM	WHITELIST

File Explorer Connected Camera Connected Printer Connected

ETC RFID TAG LANE

Radio-frequency identification (RFID) wireless non-contact use of radio-frequency electromagnetic fields to transfer data.

- Communicates through radio waves, line of sight not required.
- RFID tags store significantly more information.
- RFID is dynamic and information can be added or deleted at every step in the supply chain.
- Read multiple tags at once.
- Tags contain electronically stored information.
- Entire process takes a matter of seconds to complete.
- Electronic system records transaction, including the time, date, plaza and toll charge of each vehicle.



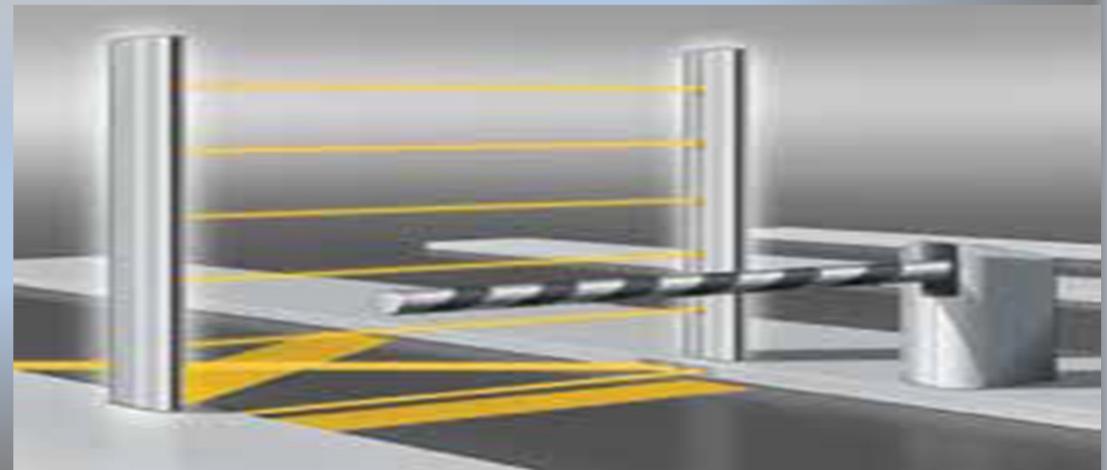
Automatic Vehicle Classifier

An automatic vehicle classification may need to determine vehicle height, number of axles, presence of dual tires, and vehicle weight to distinguish between vehicles and assign the correct class. Determinants of vehicle class may include:

- Number of axles and/or tires of a vehicle.
- Dimensions (e.g., height, length, wheelbase, height over first axle) of a vehicle.
- Weight of a vehicle.
- Number of occupants in a vehicle (e.g., a special class assigned to commuter pools with a minimum number of occupants).

Features

- Wide range of options
- High immunity against environmental changes
- Compact Housing
- Beam spacing 30 mm/60mm
- Range 12 m



Weigh In Motion

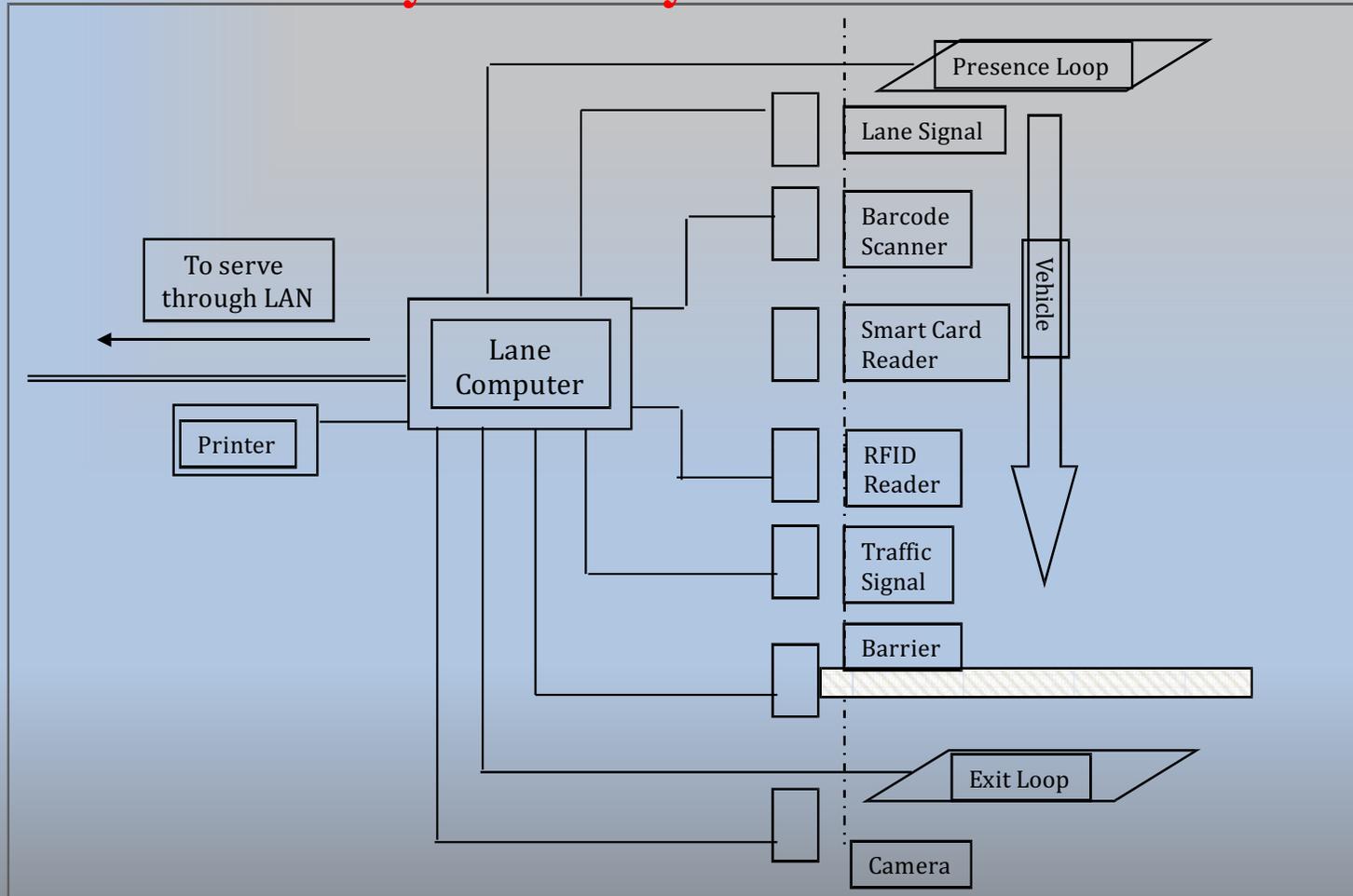
WIM system is a configurable multi-function Vehicle Axle Weighing System. It provides a means of measuring axle and gross vehicle weights either statically or dynamically, providing either enforcement of vehicle weight limits for government authorities or overload prevention for transport companies.

System is designed to be configurable and can be supplied as a basic control unit interfacing to the TDC Axle Weigh Beam providing axle weight and gross weight data, with the option to supply additional interfaces to provide full vehicle weight enforcement functions.

Full system integration capabilities provide maximum flexibility in real-world applications, from communication with state-wide or National data networks, to combining weighing operations with other vehicle safety and credential-checking technologies.



System Layout



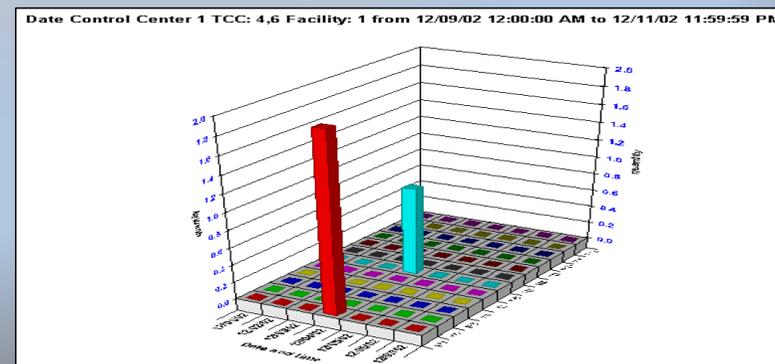
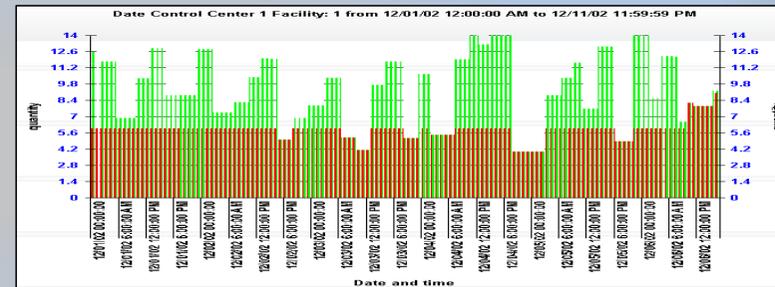
Plaza Center

- Central Database Server
- Backup Server
- Monitoring Station
- Point of Sale Report
- Module Validation
- System Cash Up
- System HR Admin



Report Generation

- Operator Collection Report
- Booth Collection Report
- Shift Collection Report
- End of the Day Collection Report
- Monthly Report
- All Transaction VRN Report
- Login Details Report
- Monthly Pass Report
- Exempted Report
- Return Vehicle Report
- Ticket Cancel Report
- Audit Report



Welcome to Audit Module



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Audit Assist 2.0

User Name

Password

Login

Activate Windows
Go to Settings to activate Windows.

RECEIPT REPORT MODULE

Toll Assist Audit Module

Audit Management | User Management | Daily Task Management | **Report** | Pass Management

Toll Management System User Id - 13 (AUDITOR)

Receipt Report

Shift Id	Booth Id	Vehicle Type	Payment Type	Payment Status	Vehicle Number	Receipt Date*	From	To
<input type="text" value="Shift Id"/>	<input type="text" value="Booth Id"/>	<input type="text" value="Vehicle Type"/>	<input type="text" value="Payment Type"/>	<input type="text" value="Payment Stat..."/>	<input type="text" value="Vehicle Number"/>	<input type="text" value="Receipt Date"/>	4/22/25, 1:29	4/22/25, 1:29

Page: 1 / 0 EPSON TM-T82 Receipt

Activate Windows
Go to Settings to activate Windows.

CASH AUDIT MODULE

Toll Assist Audit Module _ □ ×

Audit Management ▾ User Management ▾ Daily Task Management ▾ Report ▾ Pass Management ▾

Cash Audit
ETC Audit
Manual ETC Audit

Toll Management System User Id - 13 (AUDITOR)

Cash Audit Report

Receipt Date* Shift Id* ▾ Audit Status ▾ Vehicle Type ▾ Vehicle Number

Total Records-0 Audited Reco...
Unaudited Rec... Changed Rec...

Vehicle Number	Operator Type	AVCC Type	Journey Type	Exemption Type	Transaction Time	Amc
No content in table						

CASH & ETC AUDIT MODULE

Toll Assist Audit Module
— □ ×

Audit Management ▾
User Management ▾
Daily Task Management ▾
Report ▾
Pass Management ▾

Toll Management System
User Id - 13 (AUDITOR)

Cash Audit Report

Receipt Date*

Shift Id*

Audit Status

Vehicle Type

Vehicle Number

Search

Mark Audited

Mark All Audited

Change Record

Reset

Total Records-36

Audited Records-0

Unaudited Records-36

Changed Records-0

Vehicle Number	Operator Type	AVCC Type	Journey Type	Exemption Type	Transaction Time	Amount	Old Amount	Stat
RJ11GC3343	Bus 2-Aixle	ACCEPTED	Single		21-04-2025 00:03:53	170.0		NOT_AUDITED
MP19HA40001	Truck 2-Aixle	ACCEPTED	Single		21-04-2025 00:08:27	340.0		NOT_AUDITED
MP19L1696	LCV	ACCEPTED	Single		21-04-2025 00:10:44	70.0		NOT_AUDITED
MP19L2858	LCV	ACCEPTED	Single		21-04-2025 01:37:22	70.0		NOT_AUDITED
MP19GA4934	LCV	ACCEPTED	Single		21-04-2025 01:46:05	70.0		NOT_AUDITED
MP17G1839	LCV	ACCEPTED	Single		21-04-2025 01:51:48	70.0		NOT_AUDITED
MP36H0636	Truck 2-Aixle	ACCEPTED	Single		21-04-2025 02:09:42	340.0		NOT_AUDITED
MP19GA5083	LCV	ACCEPTED	Single		21-04-2025 02:16:54	70.0		NOT_AUDITED
MP19GA4934	LCV	ACCEPTED	Single		21-04-2025 02:17:44	70.0		NOT_AUDITED
MP19L2654	LCV	ACCEPTED	Single		21-04-2025 02:27:12	70.0		NOT_AUDITED
UP73T3182	LCV	ACCEPTED	Single		21-04-2025 03:00:28	70.0		NOT_AUDITED

Activate Windows
Go to Settings to activate Windows.

CASHUP MODULE

Toll Assist Audit Module

Audit Management

User Management

Daily Task Management

Report

Pass Management



Toll Management System

User Id - 13 (AUDITOR)

Cash Up

Shift Id

Booth Id

User Id

Receipt Date*

Search

500 Notes

200 Notes

100 Notes

50 Notes

20 Notes

10 Notes

5 Coins

2 Coins

1 Coins

QR Scan

Card Swipe

Other

Total Collection

Calculate Total

Submit

Reset

PASS MODULE

ATMS


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Toll Management System

Issue Pass

Vehicle Number

Vehicle Type

Mobile Number

Amount Charged

Trips Offered

Valid From

OUR CLIENT

• DSS SECURITY	• MD KARIMUNNISA
• Eagle Infra Pvt.Ltd	• Rajahmundry Godavari Bridge Ltd
• Sahakar Global Ltd	• Skylark Infra
• A K Construction Company	• DPJ-DRA TOLLWAY PVT LTD
• MANDEEPA ENTERPRISES	• West well iron & steel Pvt ltd
• Amazin Automation Solutions India Pvt Ltd	• TTL ELECTRIC FUEL PVT LTD
• Welcome Infratoll ltd	• Anshul Systems Repair And Safety Service
• Satna Umaria Tollways Pvt Ltd.	• Agroh Infra Structure Private Limited
• Eco Track Systems	• Ajay Prakash Associates



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THANK YOU