



**NATIONAL HIGHWAYS AUTHORITY OF INDIA
(MINISTRY OF ROAD TRANSPORT & HIGHWAYS)
(Government of India)**

PIU – AHMEDABAD

**WELCOMES THE PARTICIPANTS ON BEHALF OF
REGIONAL OFFICE, NHAI, GANDHINAGAR**



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Understanding....

ETC system



What is Electronic Toll Collection (ETC) ?

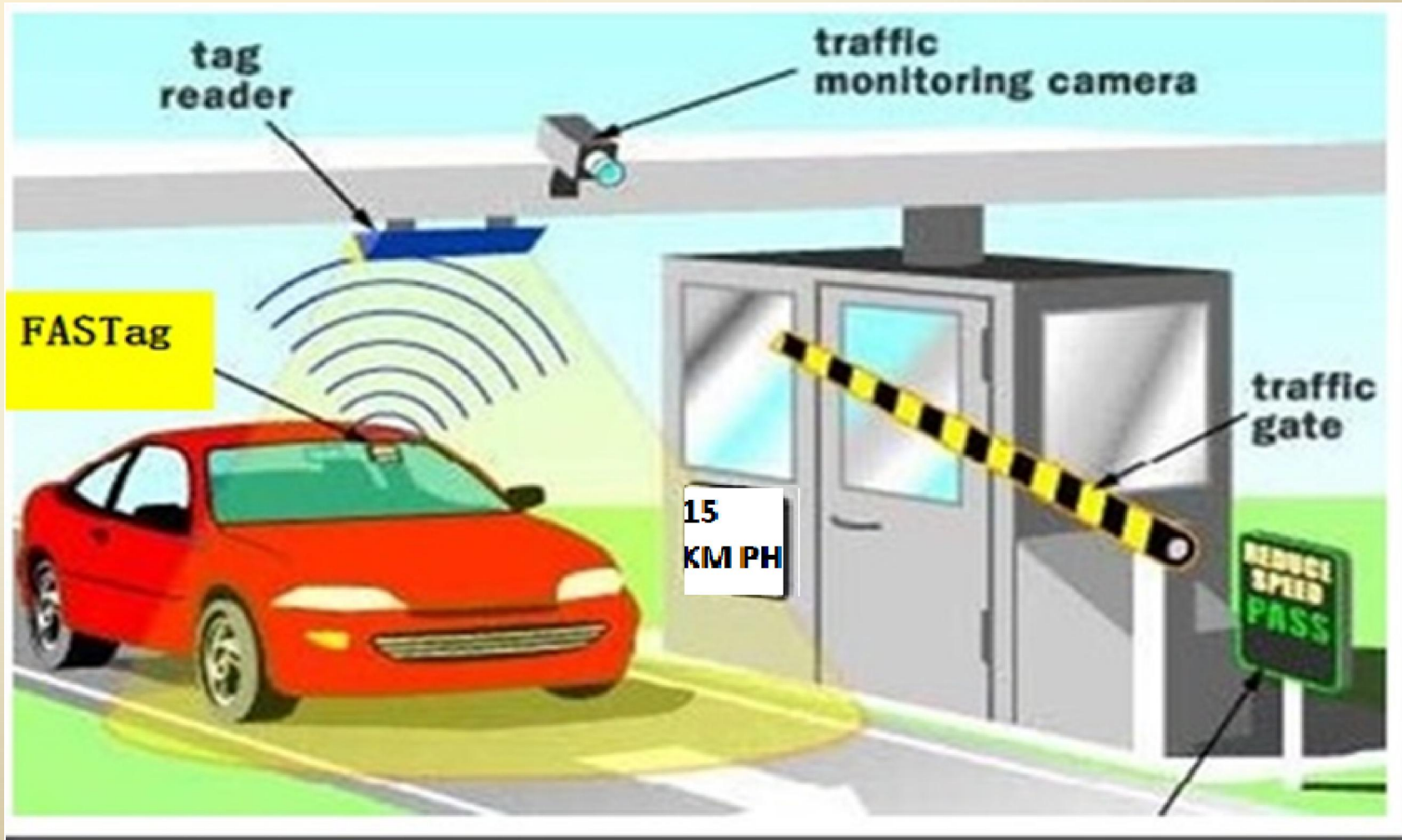
- ETC offers near non-stop movement of vehicles through toll plazas
- Convenience of cashless payment of toll fee with nation-wide interoperable Electronic Toll Collection Services.
- The customer will receive an SMS with requisite details to his registered mobile number.
- Periodic statement of account may also be obtained from website of the Issuer Agency after registration by the customer.
- Customers can access their statements by logging on the FASTag customer portal.
- Customer can report an incorrect deduction by calling customer care number .
- Electronic payment of highway tolls works without human intervention.
- ETC systems use vehicle-to-roadside communication technologies to perform an electronic monetary transaction between a vehicle and the toll collection agency.



Four Ts (Wheels) of ETC

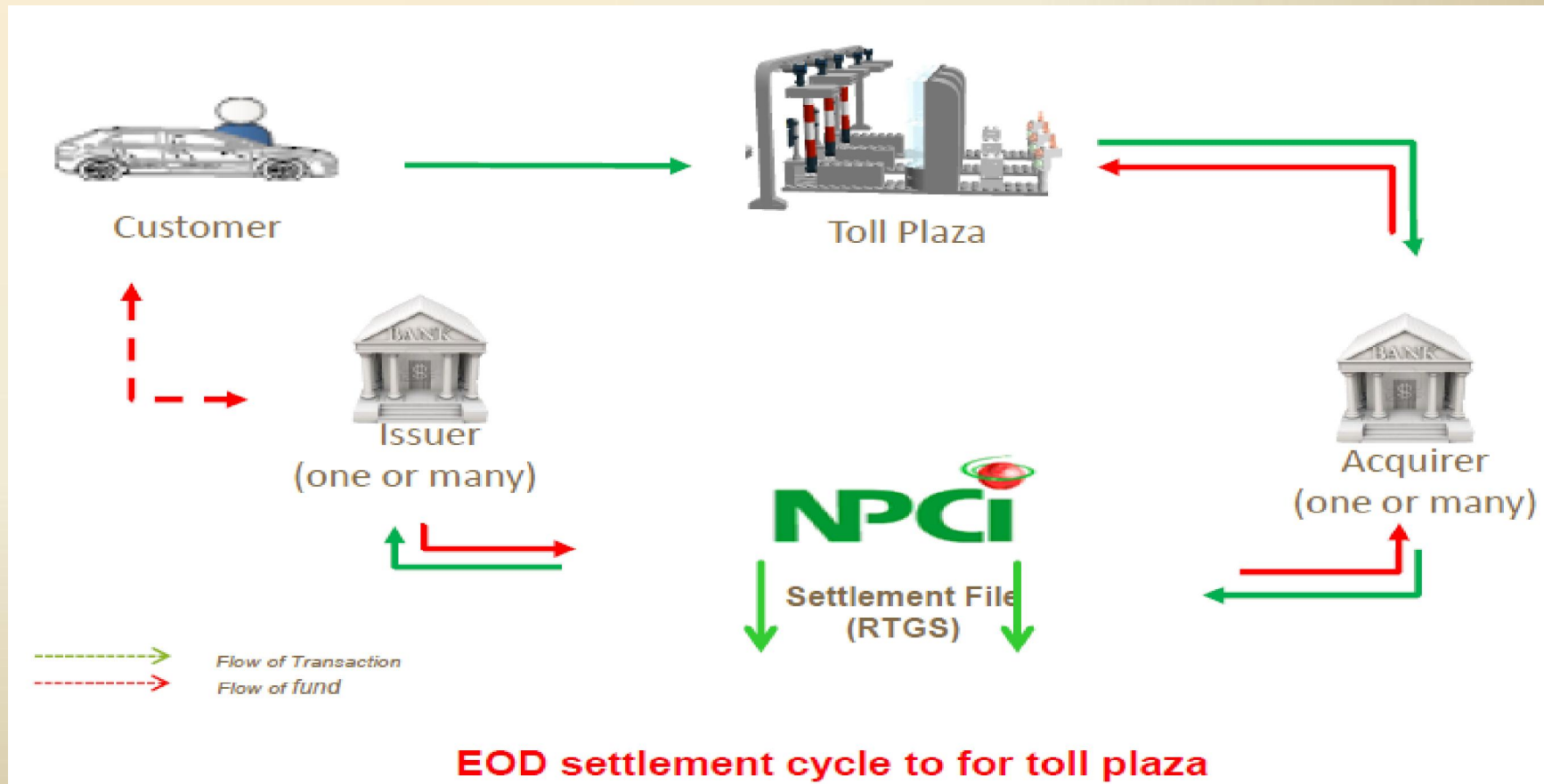
- TAG
- Transaction
- Transparency
- Transporter

ETC Pictorial Representation





Clearing and settlement





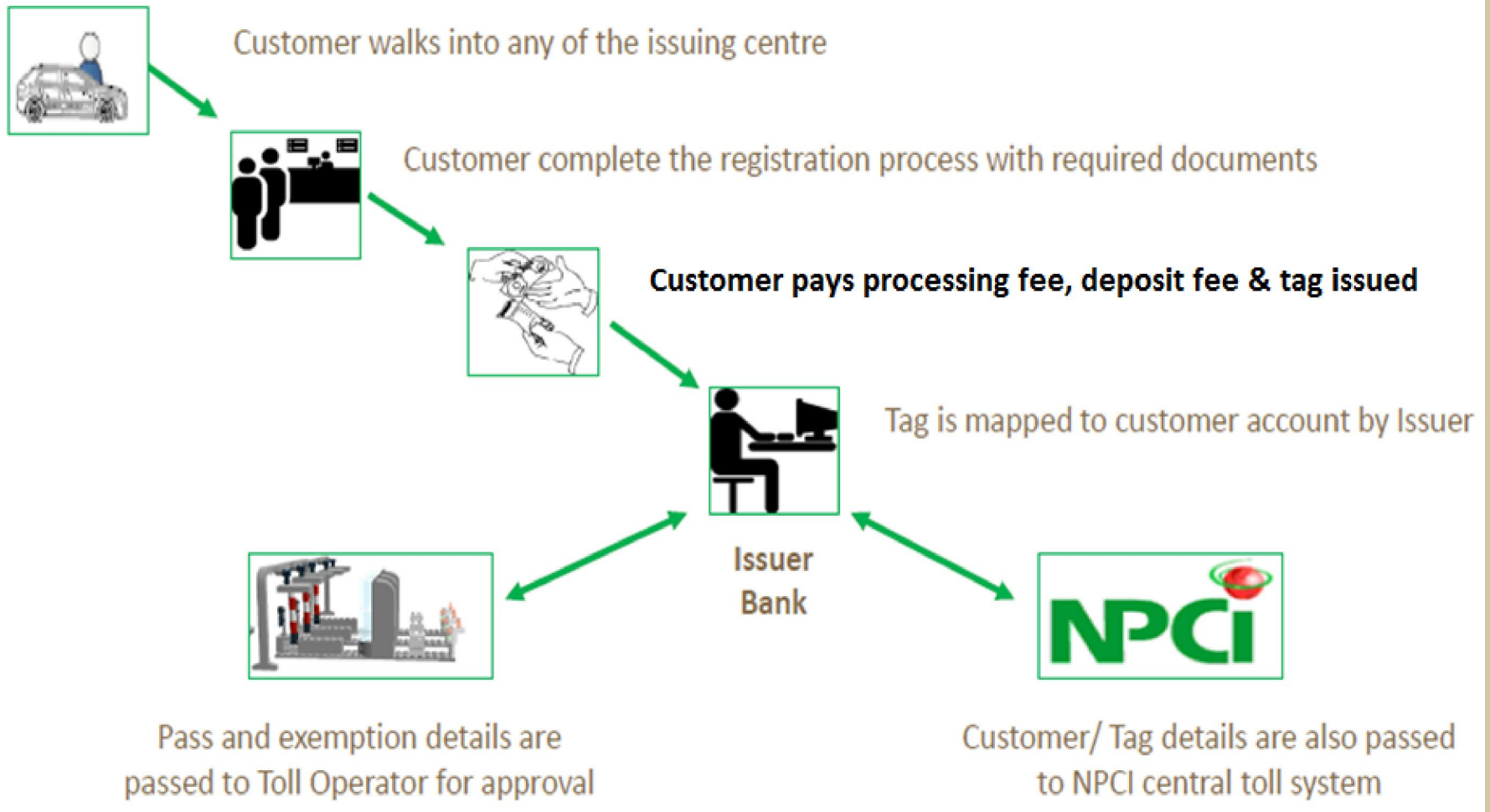
FASTag at a glance



- FASTag is a device that employs Radio Frequency Identification (RFID) technology for making toll payments directly from the prepaid account linked to it.
- It is affixed on the windscreen of vehicle
- FASTag has a validity of 5 years
- Recharge/ top up the FASTag as per your requirement through Credit card/Debit Card /Net Banking/NEFT or RTGS
- Once your FASTag account is created, Please log in to the customer portal and register yourself to generate your user id and password.
- In future payment through ITZcash/Paytm will also be included



Tag issuance process





- The minimum recharge amount is Rs. 100 and maximum amount is Rs 1,00,000/- .
- Issuer Agency will electronically deduct the applicable toll fee from the customer's account linked to the FASTag. This deduction will be done post the toll transaction.
- Customer needs to have their link account adequately funded



Documentation required for purchase of FASTag



- **Individual:**

- ID proof and Address proof from the list mentioned, and 1 passport size photograph
- **Driving License**
- **PAN Card**
- **Passport**
- **Voter ID Card**
- **Aadhar Card (with address)**
- For instance, valid driving license would be sufficient for Address & ID proof.
- For Corporate customers and other details please visit web site of the participating banks / issuer Agency

- **For Corporate**

- **Public Ltd/Private Ltd/Partnership**

- Certificate of Incorporation/ Partnership Deed/Registration certificate of the firm
- PAN Card of the corporate
- Photo ID of signing authority

- **Proprietorship**

- List of Directors with addresses/Name and addresses of Partners
- PAN Card of Proprietor
- Address Proof of the Proprietor
- Shop Act or other Firm Proof



What are the charges for FASTag?

- FASTag has a one time Deposit Fee of Rs. 200 to Rs. 500 as shown in the table. The standard processing charges for all types of vehicles is Rs 200/-+ applicable tax

Vehicle Class	Description	Tag Deposit	Threshold Amount
1	Car / Jeep / Van	200	100
2	Light Commercial Vehicle 2-axle / 3-axle	300	140
3	Bus 2-axle / 3-axle / Mini-Bus	400	300
4	Truck 2-axle	400	300
5	Trucks 3-axle and above	500	300
6	Earth Moving / Heavy Construction Machinery	500	300
7	Tractor with Trailer	500	300
8	Tata Ace and Similar Mini Light Commercial Vehicle	200	100



Purchasing of FASTag and what documents are required?

- The customer may visit any of the Point of Sale (POS) locations at Toll Plazas / Issuer Agency to get your FASTag account created.
- Customer need to submit a copy of the following documents along with the application for FASTag:
 - 1. Registration Certificate (RC) of the vehicle.
 - 2. Passport size photograph of the vehicle owner
 - 3. KYC documents as per the category of the vehicle owner (*viz. individual / corporate*):



Advantages of ETC System



Direct (Tangible) Benefit

- Ease of payment – No need to carry cash for the toll transactions, saves time
- Near non-stop movement of vehicles leading to lower fuel cost. FASTag is read by the tag reader at the plaza and the toll amount is deducted automatically, when the vehicle approaches the toll plaza.
- Online Recharge – FASTag can be recharged online through Credit Card / Debit Card / NEFT/ RTGS or Net banking
- Transparent accounting against toll expenditure for transport operator/tour operator/Fleet Operator
- Cash incentive to FASTag users for FY 16-17 and onwards



- **Indirect(Intangible) Benefit**
- Analytics for better Highway Management
- Economic saving- less fuel consumption
- Reduced use of paper (Benefit to Environment)
- Reduced Air Pollution as vehicle does not stand at Toll Plaza
- Reduced toll payment complaints
- Reduced effort in management at toll plaza
- Effective central monitoring



Salient Information for Road Users(Transporters)

A. Dedicated FASTag Lane

- ❖ Identify Fast Tag Lane
- ❖ Fast Tag Logo
- ❖ Extended Median compared to other
- ❖ Orange Painting in lane

B. No Dedicated FASTag Lane

- ❖ Slow down your vehicle
- ❖ FASTag/ Mixed Lane
- ❖ Request for FASTag transaction



Role of Concessionaire

- Proactive/Positive mindset
- Mass awareness/Target group facilities
- Pre-information at suitable location
- FASTag lane should work hassle free
- Toll Collection Staff should be courteous towards vehicle ejected from escape lane
- POS counter available
- Drinking water and toilet facility for vehicle owners/drivers



Sample calculation for Individual / Commercial Road User



Cost saving while travelling from Ratanpur to Vadodara (Commercial Users) – For a Month

	Toll Rate for Bus/Truck	
Through Ahmedabad Vadodara Expressway		
Vantada Toll Plaza	210	
Kathpur Toll Plaza	180	
Ahmedabad to Vadodara	320	
	710	Discount 10% = Rs 71/- for per trip
Cost saving for 15 trips		Rs 1065 (Rs 71* 15)
Through Ahmedabad Vadodara section of NH-8		
Ahmedabad Vadodara section of NH-8		
Vantada Toll Plaza	210	
Kathpur Toll Plaza	180	
Radhvanaj Toll Plaza	235	
Vasad Toll Plaza	320	
	945	Discount 10% = Rs 94.5/- for per trip
Cost saving for 15 trips		Rs 1417.5 (Rs 94.5 * 15)



Cost saving while travelling from Ratanpur to Vadodara – For a Month

	Car/Jeep, Van	
Through Ahmedabad Vadodara Expressway		
Ahmedabad to Vadodara		Discount 10% = Rs 9.5/- for 95 per trip
Cost saving for 25 trips (assuming 25 working days in a month)	Rs 237.50	(Rs 9.5* 25)
Through Ahmedabad Vadodara section of NH-8		
Ahmedabad Vadodara section of NH-8		
Radhvanaj Toll Plaza	70	
Vasad Toll Plaza	100	
		Discount 10% = Rs 17/- for 170 per trip
Cost saving for 25 trips(assuming 25 working days in a month)	Rs 425	(Rs 17* 25)



Thank You