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Q6

What is the technology being employed for electronic toll collection on highways. What are its advantages and limitations? What are the proposed changes that will make this process seamless? Would this transition carry any potential hazard?

UPSC Civil Services Mains 2024 · GS III · 10 marks · Infrastructure

Infrastructure: Energy, Ports, Roads, Airports, Railways etc.

Facts & figures for this PYQ only.

Numbers move. Confirm the latest Budget, Economic Survey or census round. This sheet is for revision, not a substitute for the model answer.

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FASTag

A windscreen RFID tag linked to a payment account for highway tolls.

NETC

National Electronic Toll Collection, the NPCI switch that moves the toll from the tag-issuing bank to the plaza.

NHAI

The National Highways Authority of India, the main plaza and policy owner on national highways.

GNSS tolling

Satellite-based distance charging meant to replace stop-and-go plazas with free-flow billing.

ANPR

Cameras that read number plates, used to validate a GNSS trip or catch a vehicle without a valid account.

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