

Indian Railways on **FAST TRACK**

Revenue Generation
Introduction of High Speed Trains
Increase in safety & comfort

Indian Railways on FAST TRACK

ADDITIONAL REVENUE GENERATION

PRESENT ARRANGEMENT Of Berths in 3 Tier Sleeper

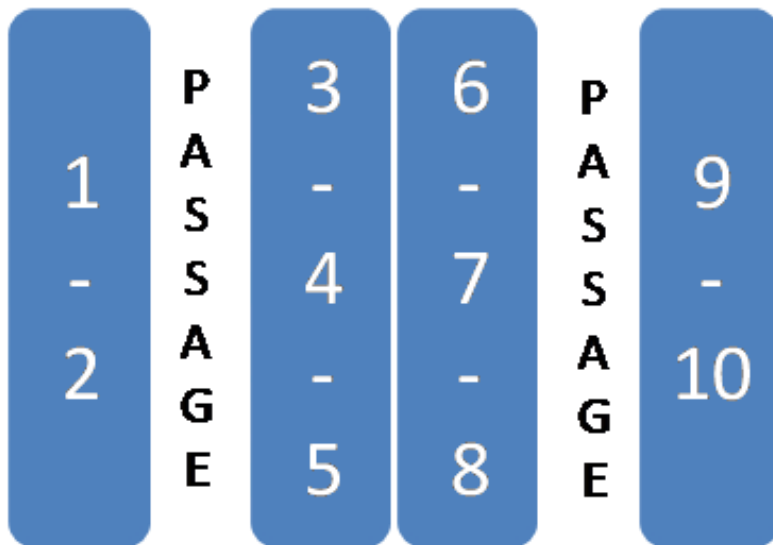
# of Berths per Cubicle	08
# of Cubicles / coach	09
Total	72

1 - 2 - 3	P A S S A G E	7
4 - 5 - 6		-
		8



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PROPOSED ARRANGEMENTS OF BERTHS



ADDITIONAL BERTHS / COACH

Proposed Arrangement	90
Existing Arrangement	72
Excess Berths Provided	18
Increase in %	25

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PRESENT ARRANGEMENTS in 3 Tier Sleeper Class

# of Berths per Cubicle	08
# of Cubicles	09
# of Total berths/Coach	72

ADDITIONAL BERTHS / COACH

Proposed Arrangement	90
Existing Arrangement	72
Excess Berths Provided	18
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PROPOSED ARRANGEMENTS in 3 Tier Sleeper Class

# of Berths per Cubicle	10
# of Cubicles	09
# of Total berths/Coach	90

ADDITIONAL INCOME / COACH

(e.g.Tamil Nadu Express- sleeper coach=11)

Fare @Rs.780/- per berth
Additional berths (18 x 11) = 198
Additional Revenue/day Rs. 1,54,440/-

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ADDITIONAL INCOME / COACH / ANNUM (Continued)

(e.g. Tamil Nadu Express - 11 sleeper coach Non AC)

Fare @Rs.780/- per berth

Additional berths (18 x 11) = 198

Additional Revenue/day Rs. 1,54,440 /-

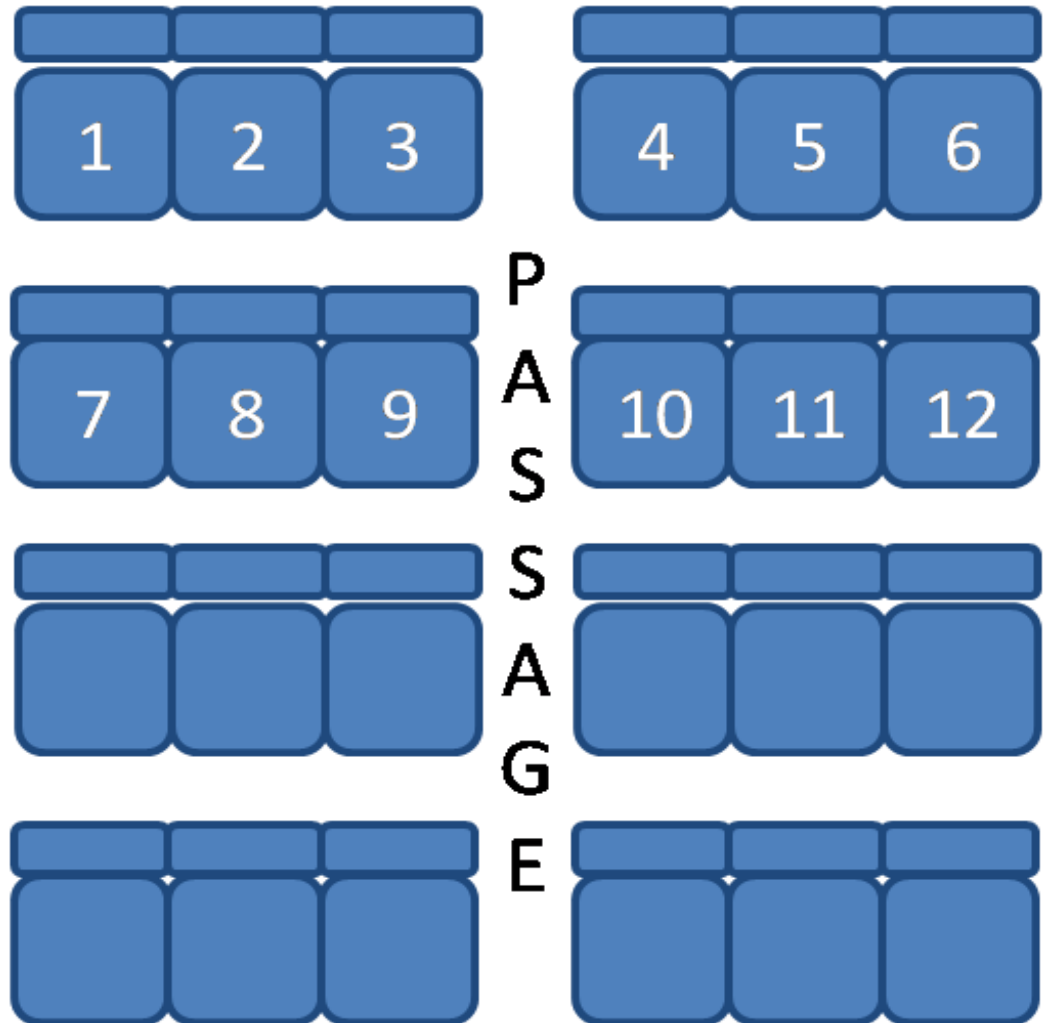
Two Trains (Up and down) Rs.1,54,440 x 2 = Rs. 3,08,880/-

Additional Revenue / year **INR 11.27 Crore** (for one train ONLY)

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IMPROVING PASSENGER COMFORT

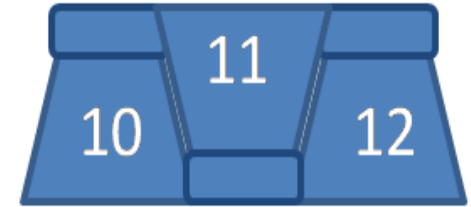
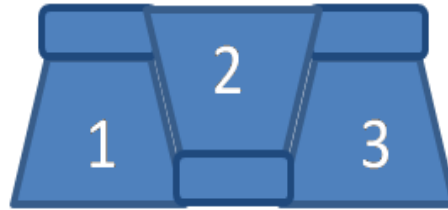
PRESENT ARRANGEMENT of Seats in CHAIR CAR



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IMPROVING PASSENGER COMFORT

PROPOSED ARRANGEMENT of Seats in CHAIR CAR



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INCREASING SAFTY & COMFORT

- Providing POSITIVE locking device for the middle berth
- CLOSED luggage racks for safety and individual hand baggage under seats (for chair car)
- Providing sprinklers to control FIRE
- Providing Emergency doors on ROOF
- Replacing FANS with common BLOWERS
- Providing READING lights
- Providing innovative HAND REST to function as HEAD REST in sleeper class
- Providing ADDITIONAL TOILETS in the same space
- Providing light weight berths to reduce weight

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INCREASING EFFICIENCY

- Introduction of engines running on COMPRESSED NATURAL GAS.
- Providing COMMON filling point for toilets
- Providing RAIN HARVESTING in coaches

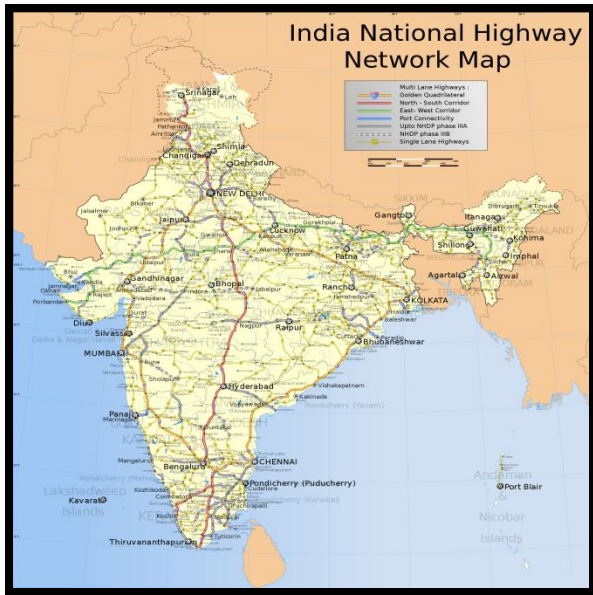
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INCREASING REVENUE

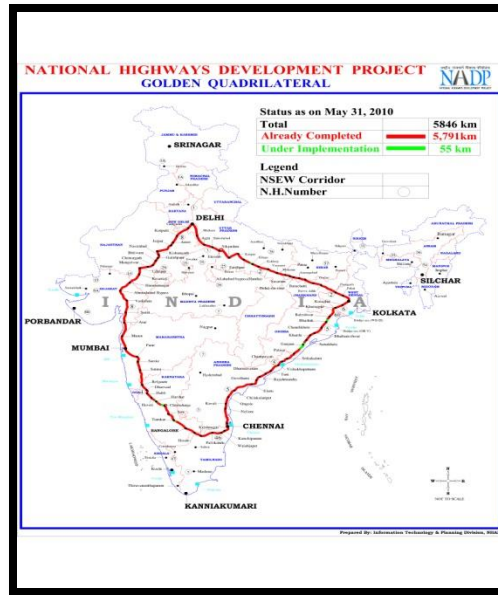
- REPLACE pantry car with regular coach to increase ACCOMODATION
- Providing FOOD TROLLEY in place of pantry car
- Introduction of PHARAMACY (essential drugs) and LIBRARY.
- MODERNISATION of Stations.
- MODERNISATION of Operations.

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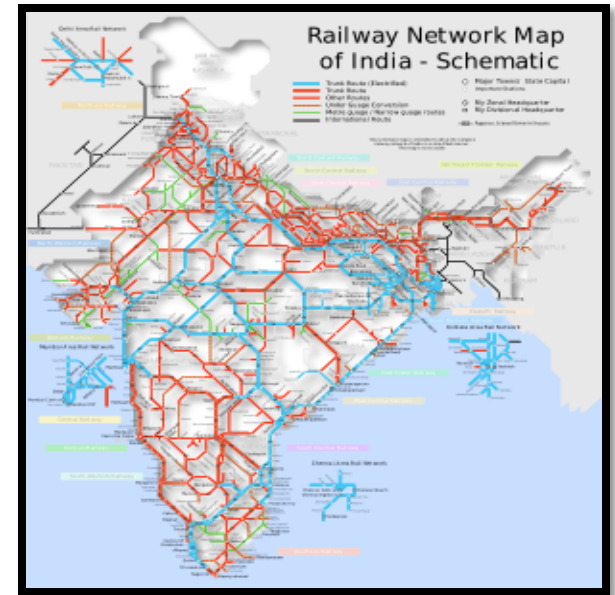
INTRODUCTION OF HIGH SPEED TRAINS



Road Map



Golden Quadrilateral
5,846 Km @ INR 60,000 Cr.



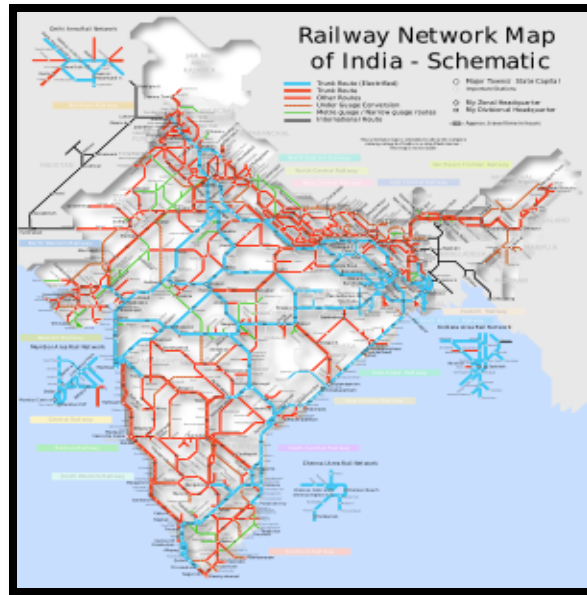
Railway map

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INTRODUCTION OF HIGH SPEED TRAINS

Phase 1

Distance By Rail	Km
Chennai - Mumbai	1,329
Mumbai - Delhi	1,407
Delhi - Calcutta	1,461
Calcutta - Chennai	1,676
Total	5,873



Phase 2

Distance By Rail	Km
Nagpur - Chennai	1,083
Nagpur - Delhi	1,012
Nagpur - Mumbai	863
Nagpur - Calcutta	1,124
Total	4,082

Proposed Modernisation in Km

Phase 1	5,873
Phase 2	4,082
Total	9,955

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INTRODUCTION OF HIGH SPEED TRAINS

INR in Crores

Approximate Cost of Construction @ 100 / Km

(excluding utilities)

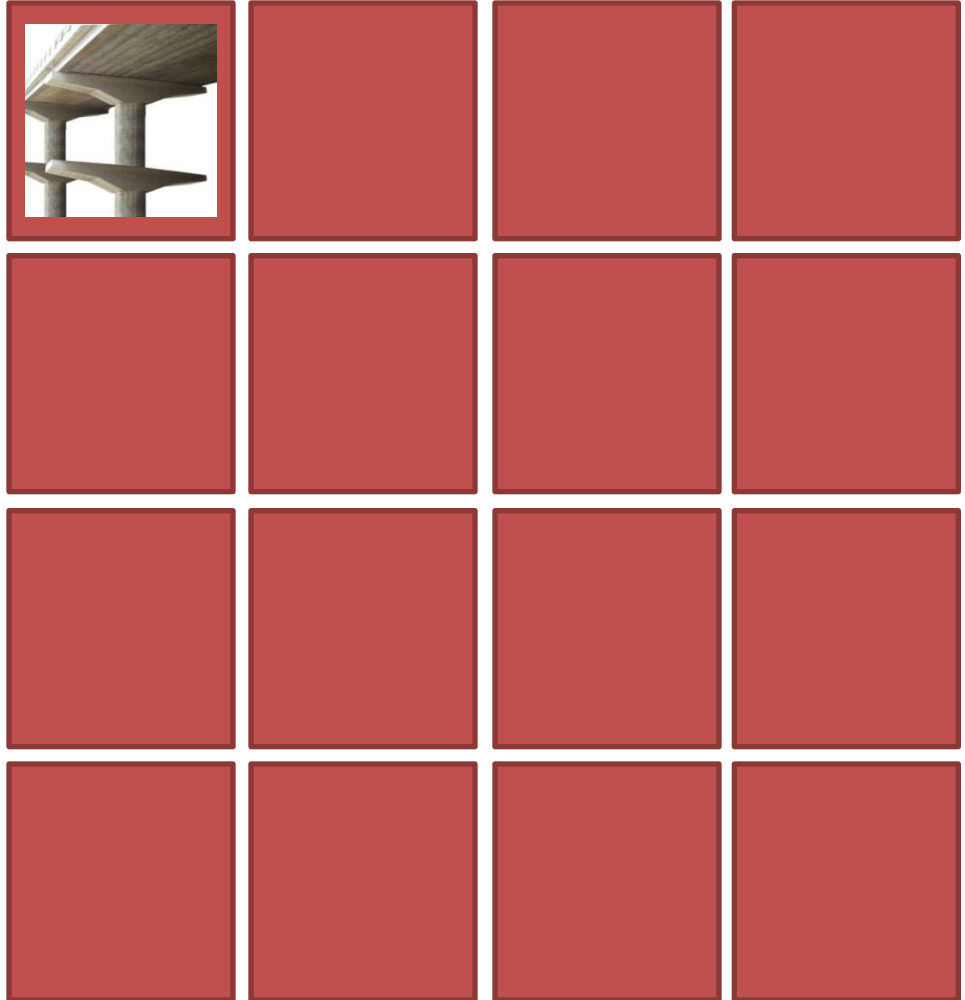
Phase 1	5,873 Km	@ 5,87,300
Phase 2	4,082 Km	@ 4,08,200
Total Cost		@ 9,95,500

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INTRODUCTION OF HIGH SPEED TRAINS & INCREASING REVENUE

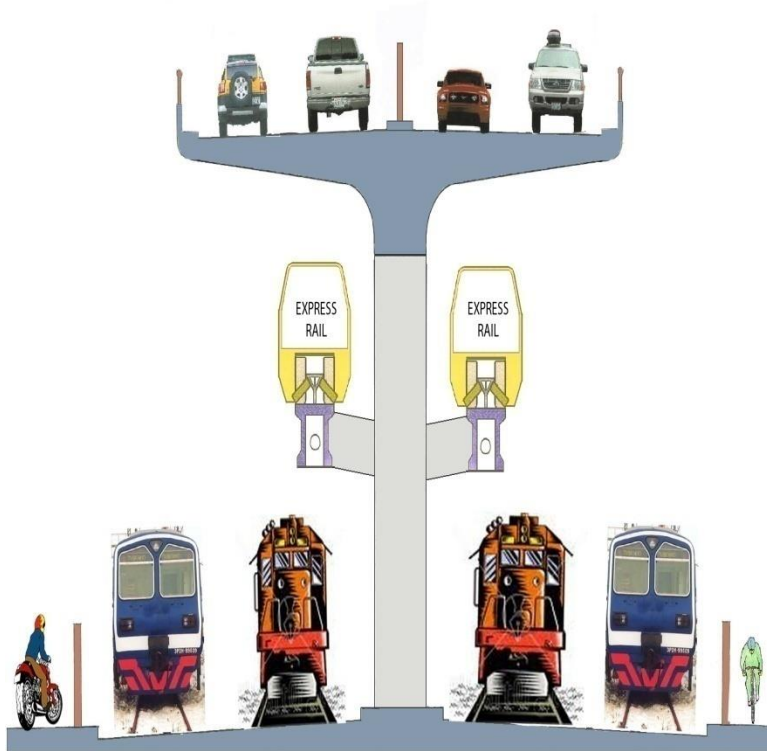


Lease of Airspace above the existing railway tracks to construct elevated Four lane highway and provision for double track EXPRESS RAIL.

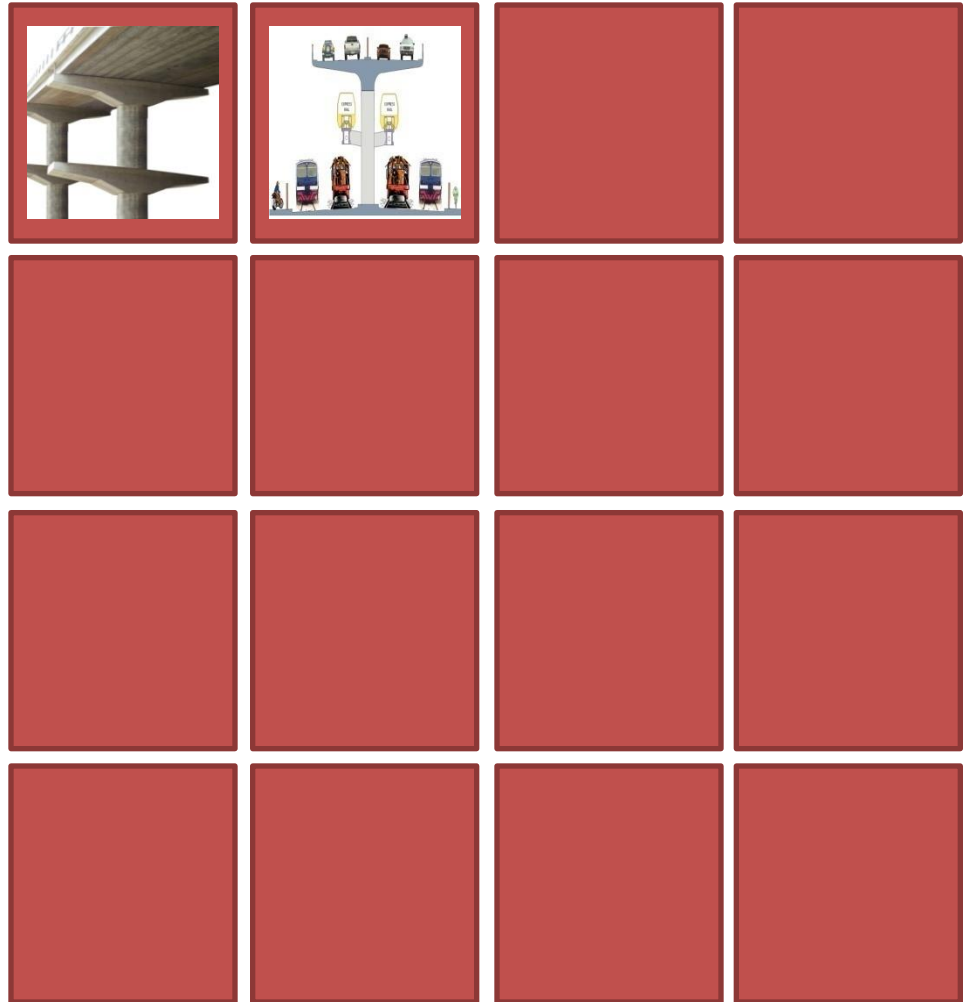


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INTRODUCTION OF HIGH SPEED TRAINS & INCREASING REVENUE



Double side fencing will prevent trespassing. A dedicated road on either side for 2 & 3 wheelers will deter anti social activities.

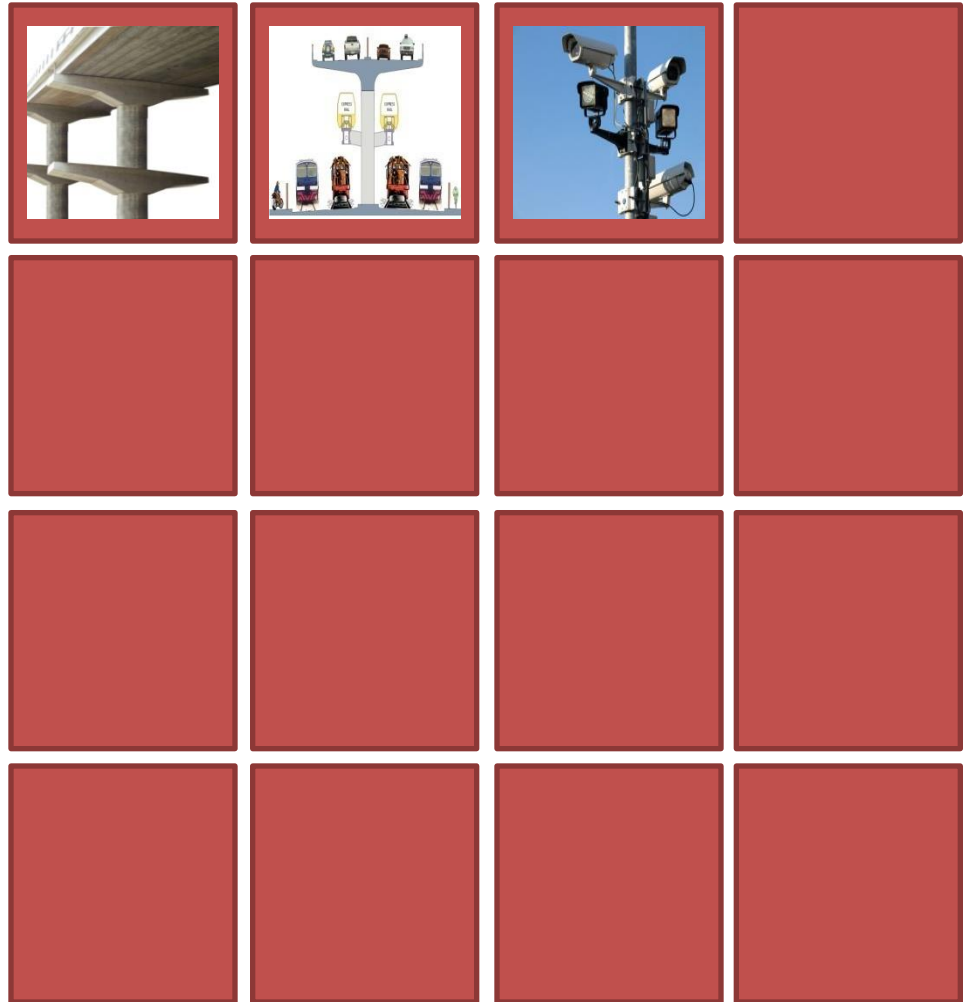


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Cameras and speed guns placed strategically will prevent over speeding and add to security on the tracks below from antisocials.

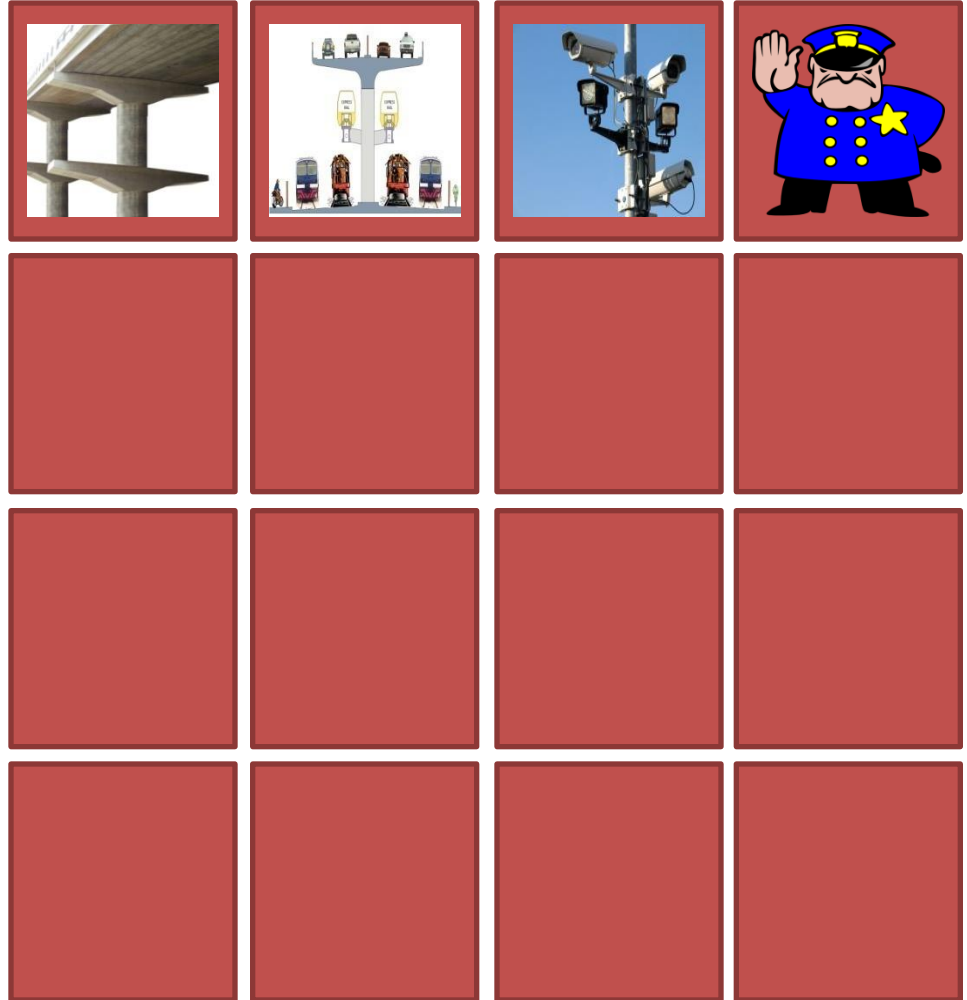


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Over speeding offenders will be fined at the toll plazas to minimise accidents.

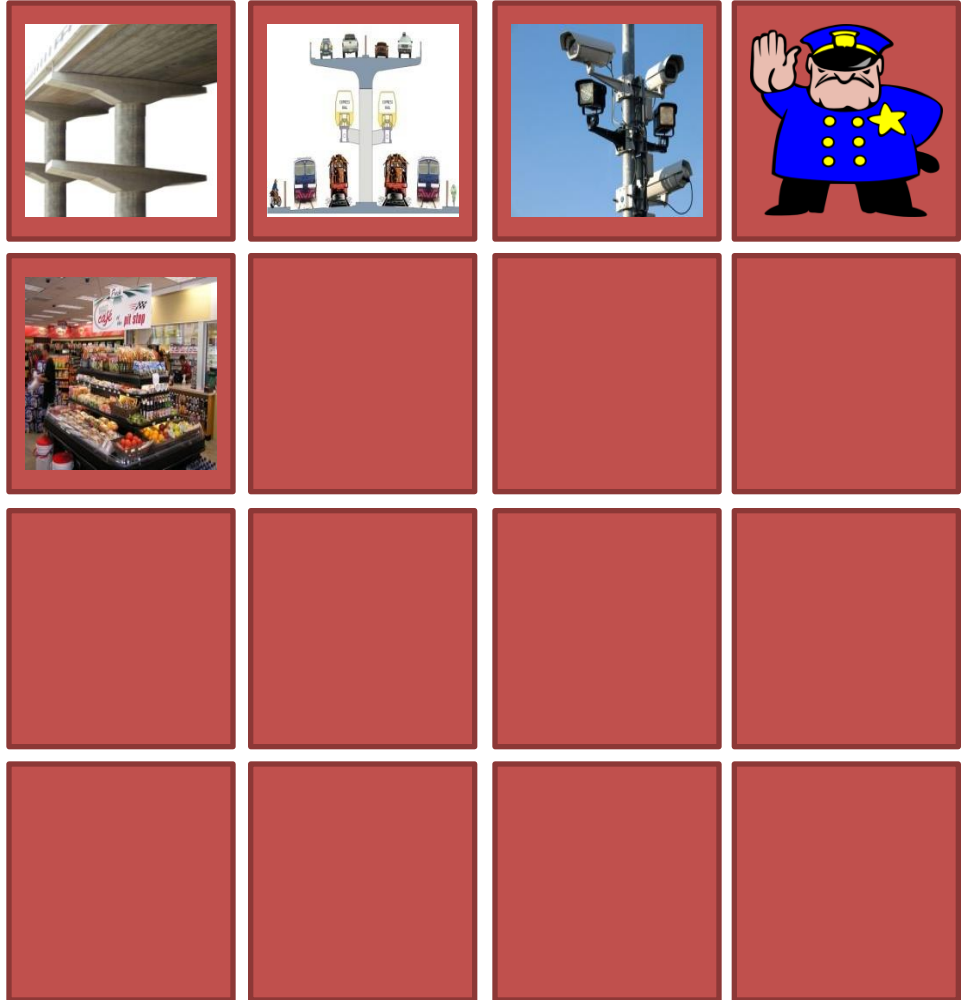


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Every major station will be provided with mini supermarkets.

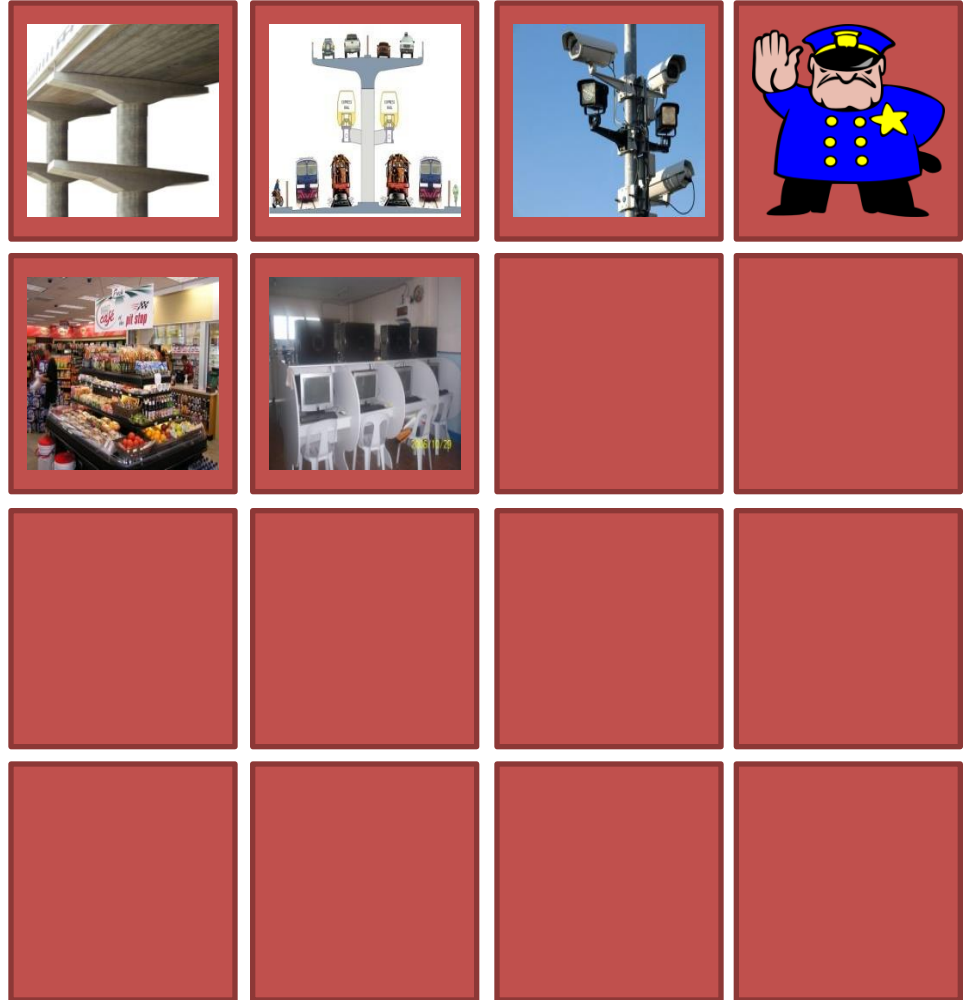


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Internet cafes

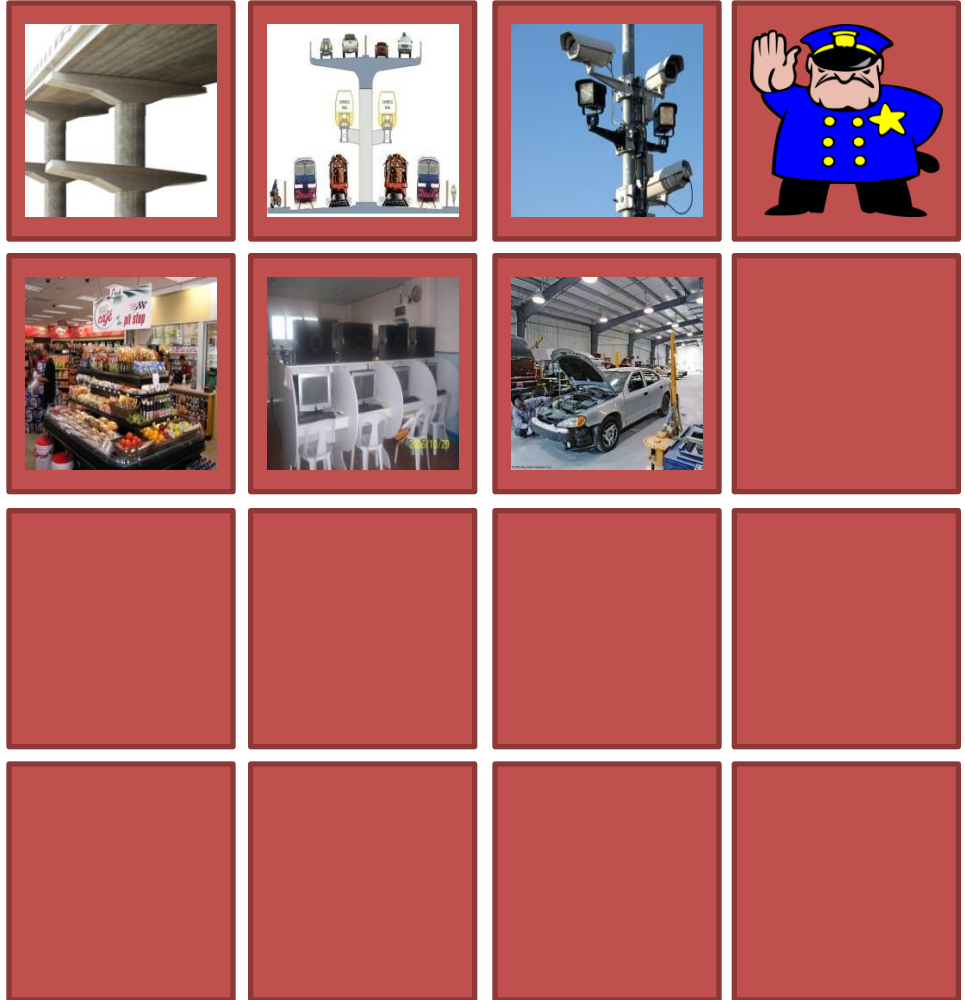


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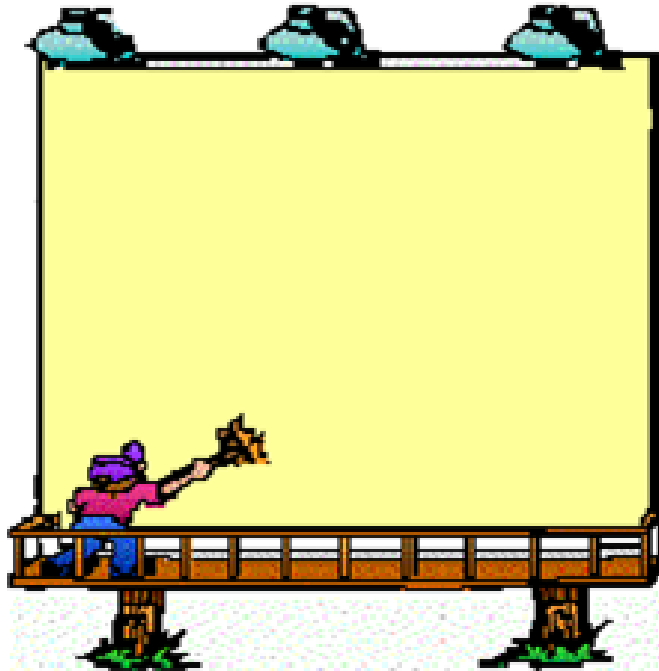


A garage of repute to attend minor repairs.



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INTRODUCTION OF HIGH SPEED TRAINS & INCREASING REVENUE



The fence on the side of the tracks at the ground level will add revenue to the department. (10,000 Km)

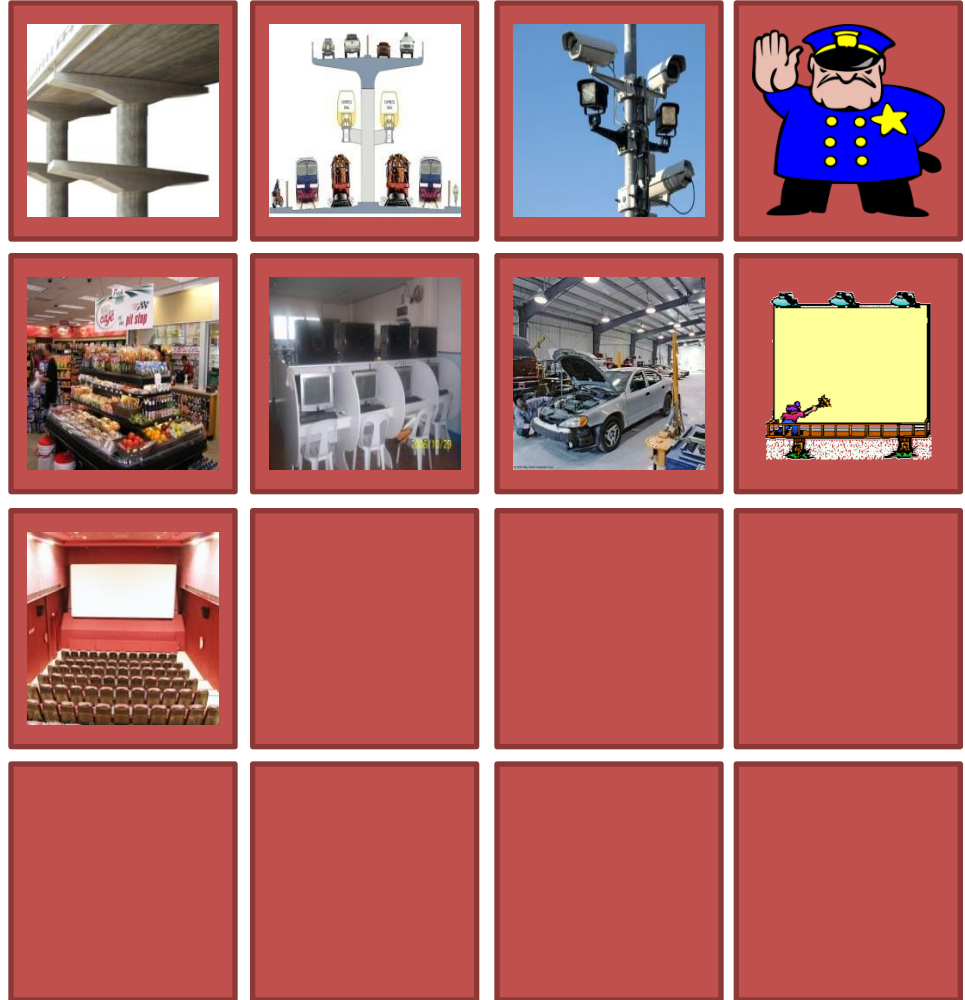
IN EXCESS OF 10,000 CRORES

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INTRODUCTION OF HIGH SPEED TRAINS & INCREASING REVENUE



A mini Theater

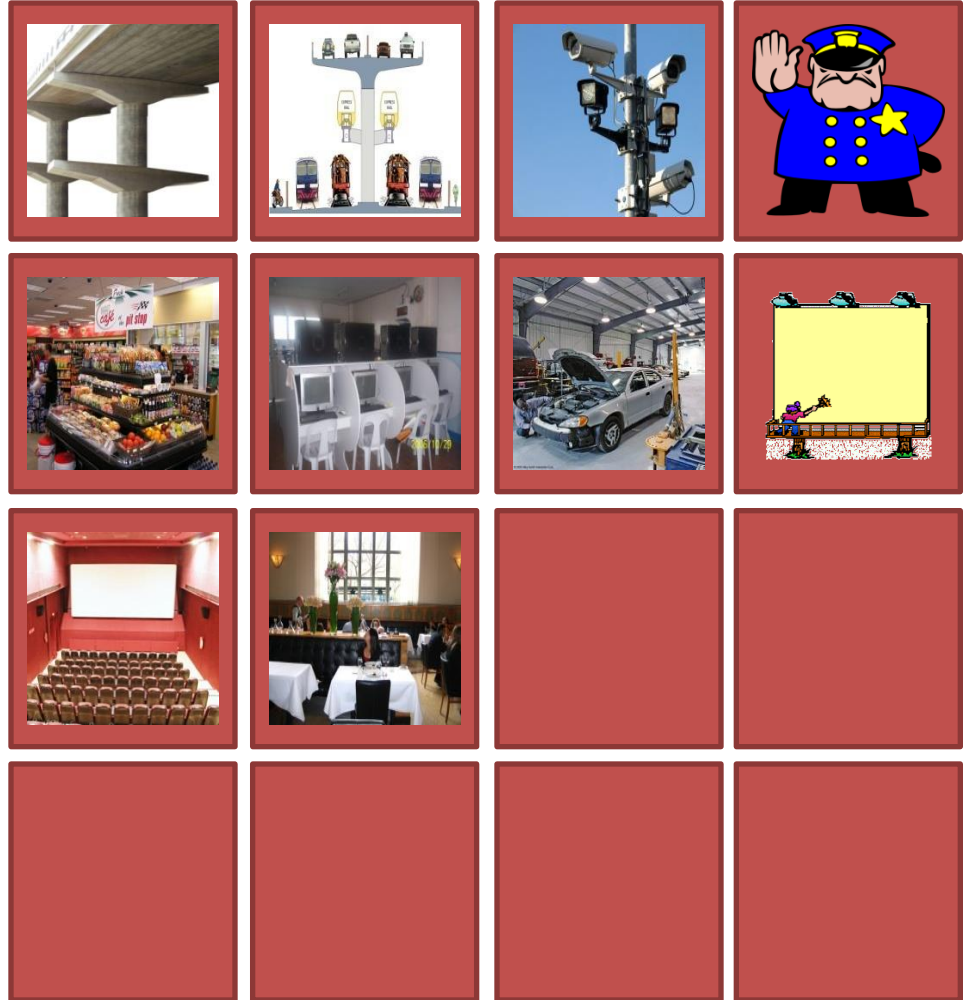


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A refreshment center

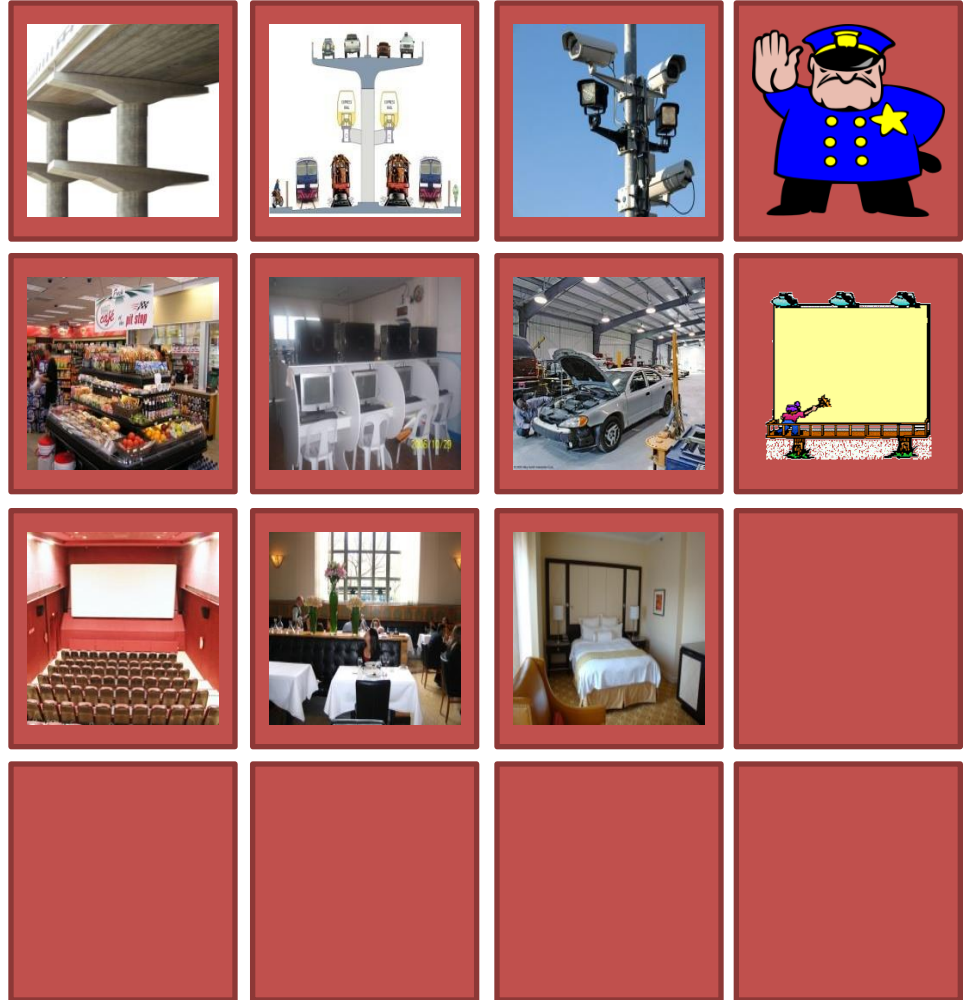


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Retiring rooms

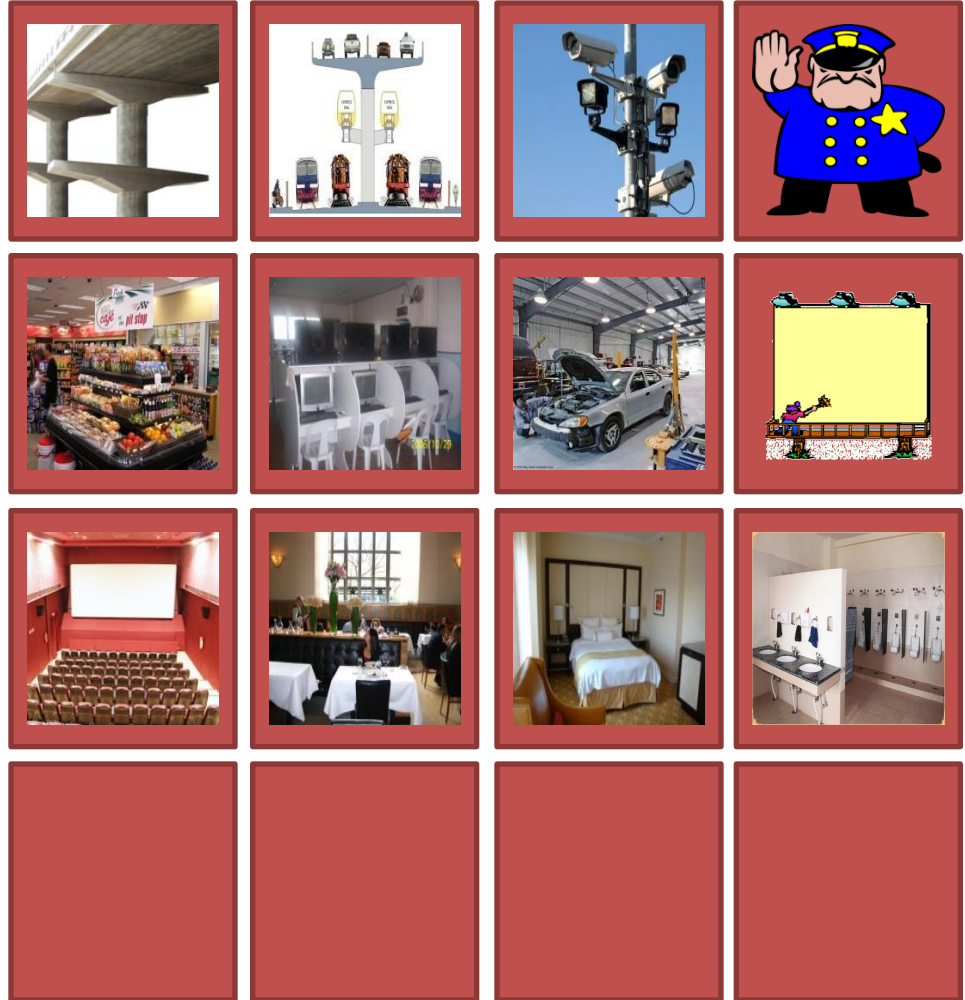


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Wash rooms

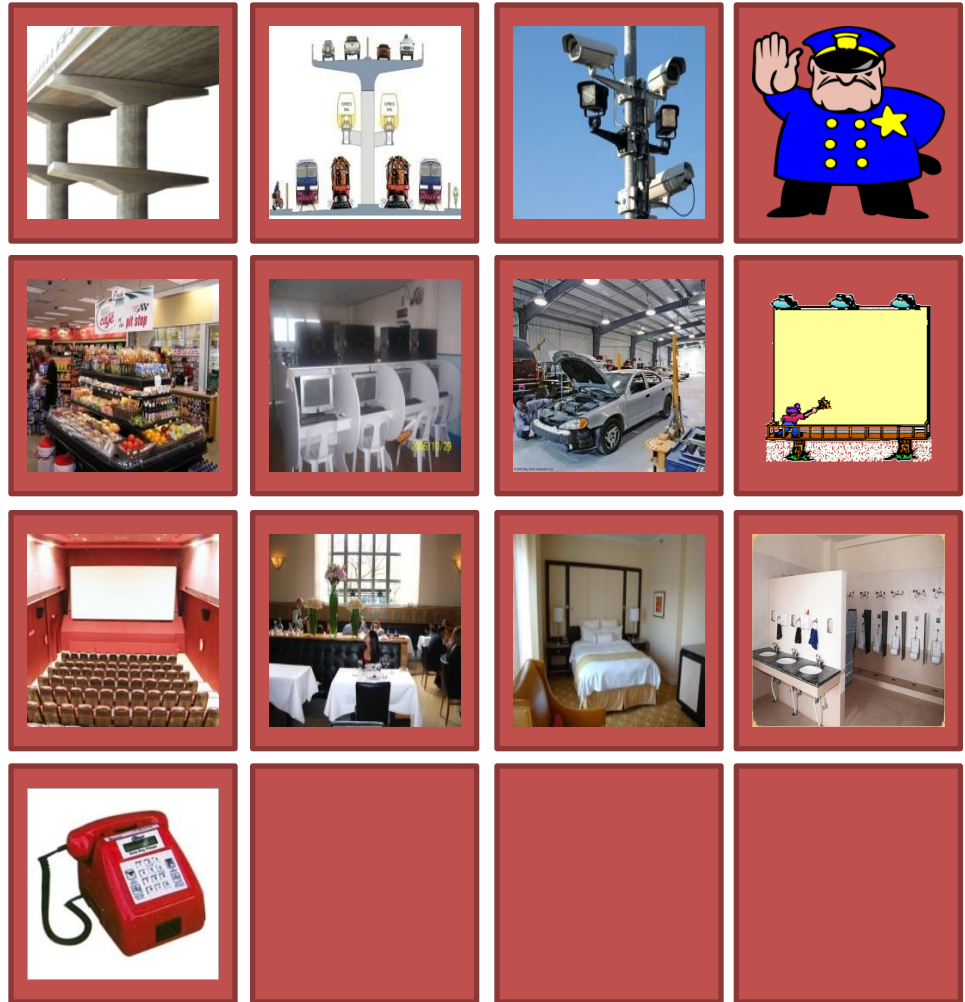


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Public call office

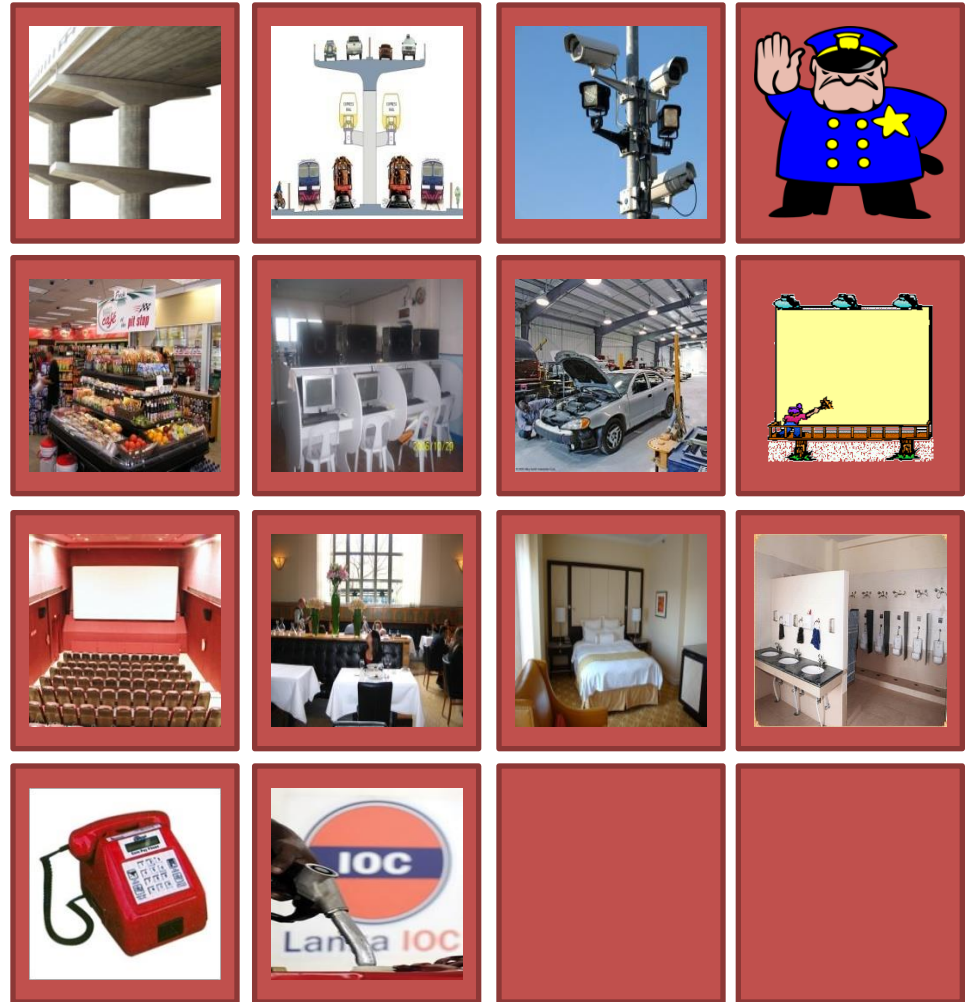


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Fuel stations



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First Aid center and Pharmacy



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ATMs



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INTRODUCTION OF HIGH SPEED TRAINS & INCREASING REVENUE

10,000 Kms of rail track barricade on either side of the tracks will be 20,000 Kms.

Advertised on either side will be 40,000 kms of saleable bill board for advertisement.

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INTRODUCTION OF HIGH SPEED TRAINS & INCREASING REVENUE

40,000 Kms of Advertisement sign board on either side of the tracks will fetch over 10,000 Crores in addition to the 10,000 Crores annually estimated by the Railways by way of advertisements on trains and wagons.

Additional Rent from Commercial space will add to the revenue.

The entire THREE tier surface transport can be offered on a BOT system.

Indian Railways on FAST TRACK

**GENERATING REVENUE TO MODERNISE
INDIAN RAILWAYS
&
TO INCREASE SAFETY AND COMFORT**

THANK YOU

W.Amarnath
91 9884098864
5, First Avenue,
Indra Nagar, Adayar,
Chennai 600 020- TN