Transport

Infrastructure Quality

KPI:

- Average Road Condition Rating (0–10 scale)

- Percentage of well-maintained roads

- Breakdown of different transport infrastructures (road, rail, waterways)

Graph:

- For infrastructure types (roads, railways, waterways, airways)

- To show average quality ratings

- display infrastructure locations on a city map.

Transport Parameter: Accessibility-Mode of Transport

KPI:

- Percentage of population with access to transport modes (road, rail, air, water)

- Distribution of different transport mode users

Graph Type:

- Mode of transport used (percentage breakdown of users by transport type)

- Heatmap: Accessibility scores by location.

Transport Parameter: Frequency of Service

KPI:

- Average wait time for different transport modes

- Average number of services per day (railways, road buses, airways)

Graph:

- Number of services per transport type (daily, weekly)

- For average wait times

Transport: Transport Renewable Energy Enabled

KPI :

- Percentage of public transport using renewable energy

- Total fuel saved using renewable sources

- Number of renewable energy projects in transport

Graph:

- Proportion of renewable energy transport vs non-renewable

- Percentage of transport system renewable enabled

- Energy savings across transport modes.

Transport Parameter: Private Vehicles in Public Transport

KPI:

- Number of private vehicles contributing to public transport

- Percentage increase in private-public partnerships

- Fuel savings from private vehicles used in public transport

Graph:

- Breakdown of private vehicles per transport mode (e.g., buses, taxis)

- Trend Chart: Private-public partnerships over time.

Transport Parameter: Capacity and Passenger Load

KPI:

- Average capacity per transport type (buses, trains, planes)

- Utilization rate (passenger load vs. capacity)

- Crowdedness Index for public transport systems

Graph:

- Capacity per transport type

- Utilization rates over time

- Passenger load vs capacity ratio.

Transport Parameter: Cost and Fare Structure

KPI :

- Average fare per transport mode

- Fare affordability index (fare as a percentage of average income)

- Comparison of fare structures across transport modes

Graph:

- Fare per transport mode

- Fare affordability index

- Fare structures across different income groups.

Transport Parameter: Cleanliness and Maintenance

KPI :

- Percentage of transport facilities adhering to cleanliness standards

- Frequency of maintenance activities per year

- Cleanliness rating for different transport modes

Graph :

- Cleanliness rating (0–10 scale)

- Frequency of maintenance activities across the year

- Cleanliness adherence percentage per transport type.

Dummy Data Template

1. Infrastructure Quality

Region	Road Condition Rating (0-10)	Rail Condition Rating (0-10)	Airways Condition Rating (0-10)	Waterways Condition Rating (0-10)
Zone 1	8	7	9	6
Zone 2	6	8	7	7
Zone 3	7	6	8	6
Zone 4	5	8	9	7

2. Accessibility - Mode of Transport

Region	Population	Road Access %	Rail Access %	Airway Access %	Waterway Access %
Zone 1	200,000	85%	60%	40%	30%
Zone 2	150,000	80%	50%	35%	25%
Zone 3	100,000	75%	65%	45%	40%
Zone 4	300,000	90%	70%	50%	35%

3. Frequency of Service

Region	Bus Frequency (per day)	Train Frequency (per day)	Flight Frequency (per day)	Waterway Frequency (per day)
Zone 1	120	60	8	4
Zone 2	100	50	6	3
Zone 3	80	45	5	2
Zone 4	150	70	10	5

4. Transport Renewable Energy Enabled

Region	% of Renewable Energy in Buses	% of Renewable Energy in Rail	% of Renewable Energy in Airways	% of Renewable Energy in Waterways
Zone 1	35%	40%	20%	15%
Zone 2	30%	50%	25%	10%
Zone 3	25%	35%	30%	5%
Zone 4	40%	60%	35%	20%

5. Private Vehicles in Public Transport

Region	Number of Private Buses	Number of Private Taxis	% Contribution of Private Transport
Zone 1	50	200	30%
Zone 2	40	150	25%
Zone 3	30	120	20%
Zone 4	60	250	35%

6. Capacity and Passenger Load

Region	Bus Capacity (passengers/day)	Train Capacity (passengers/day)	Flight Capacity (passengers/day)	Waterway Capacity (passengers/day)
Zone 1	5,000	10,000	1,200	500
Zone 2	4,000	8,000	1,000	400
Zone 3	3,500	7,500	900	350
Zone 4	6,000	12,000	1,500	600

8. Cost and Fare Structure

Region	Average Bus Fare	Average Train Fare	Average Flight Fare	Average Waterway Fare
Zone 1	15	40	300	20
Zone 2	10	35	250	18
Zone 3	12	30	280	15
Zone 4	20	45	320	22

9. Cleanliness and Maintenance

Region	Bus Cleanliness Score (0-10)	Train Cleanliness Score (0-10)	Flight Cleanliness Score (0-10)	Waterway Cleanliness Score (0-10)
Zone 1	8	7	9	6
Zone 2	7	8	8	7
Zone 3	6	7	7	6
Zone 4	9	8	9	7