

India: Transport At a Glance

Core Road Performance Indicators

Country	India			Average	Range
Year	2004				
Road Network					
Length of Roads, Total	km	3,315,231	2002	GOI	
Main Roads	km	665,231	2002	GOI	
Urban Roads	km	N/A	2002	GOI	
Classified Rural Roads	km	1,730,000	2002	GOI	
Other Rural Roads	km	920,000	2002	GOI	
Other Urban Roads	km	N/A			
Length of Paved Roads, Total	km	1,363,000	1998	UN/ESCAP	
Length of Paved Roads	%	50%	1998	UN/ESCAP	43.40%
Roads in "good and regular" (fair) condition	%	74.30%	1995-99	WB	9.50%-81%
Road Network Asset Value					
Total	million \$	N/A			
Classified Rural Roads	million \$	49,813	2002	WB	
Paved Roads of 2-lane roads	%	34%	2000	NHAI	34%
Paved Roads of 4-lane roads	%	1%	2000	NHAI	1%-18%
Total Road Length					
Highways	km	58,000	2002	WB	
Road Access					
Access to All-Season Road	% of Rural Population	60%	2002	MORD	30%-76%
Total Number of Motor Vehicles	No.	58,860,000	2002	MORTH	
Road Density in terms of					
Population	road km/1,000 people	2.56	1999	MORTH	2.36
Land	road km/1,000 sq km				0.66-5.19
Land	total land	768	1999	MORTH	651.25
Goods Transported Annually by Road	million tons/km-yr	958	2001	WDI	32.4-1,662
Goods Transported Annually by Road	% of total freight	65%	2003	MORTH	
Passengers Transported Annually by Road	% of total passenger	87%	2003	MORTH	
Road Finance					
Annual Road Expenditure (Actual)	million (\$)	153,000	1998-99	WB	
Ratio of actual to Required Maintenance Expenditure	%	20%-57%	1999-2000	WB	20-57%
Annual Road Budget	million (\$)	3,614.06 billion	2003-2004	MoF	
Affordability					
Average Pump Price for Super Gasoline	\$/liter	0.87	2004	WDI	0.76
Average Pump Price for Diesel Fuel	\$/liter	0.51	2003	WDI	0.44
Spending on Transport Services	% HH expenditure				3.27%-12%
Gasoline	% of pump price	19-30%	2003	AAA	
Diesel	% of pump price	8.6-34%	2003	AAA	
Vehicle Registration Fees	% of vehicle price, one-time fee	2-6%	2003	AAA	
Road Safety and Environment					
Annual Fatalities in Road Accidents	fatalities/10,000 vehicles	20.3	2003	MORTH	40.56
					15.5-85.6

Notes:

- (#1): GOI Tenth five year plan (2002-2007), <http://planningcommission.nic.in>
- (#2): WB: World Bank, SASEI, India's Transport Sector: The Challenges Ahead. May, 2002. Volumes 1 and 2.
- (#3): MORD: MORD, www.pmsgsy.org
- (#4): UN/ESCAP: UN and ESCAP Statistical Yearbooks, which quoted data from Country Statistical Yearbooks
- (#5): MORTH: MORTH, <http://morth.nic.in/motorstat/mt1.pdf>
- (#6): WDI: World Bank. World Development Indicators. Various years depending on the data.
- (#7): NHAI: Road Development Plan; Vision 2021, www.nhai.org
- (#8): AAA: AAA Highway Financing in India (forthcoming)

Average: Average figure for the South Asia region
 Range: Range of figures for the South Asian region

India: Transport At a Glance

Core Railway Performance Indicators

Country	India		Average	Range
Year	2004			
Railway Network				
Total Track	km	109,221	2003	IRYB
Total Route	km	63,122	2003	IRYB
By Gauge				
Broad Gauge		45,622	2003	IRYB
Narrow Gauge		14,363	2003	IRYB
By Type				
Single Track		46,904	2003	IRYB
Double Track		15,509	2003	IRYB
Electrified		16,272	2003	IRYB
Three Tracks				
Percentage of Multi-tracked Lines	%	25.70%	2003	WBS
			30%	9.06%-54.30%
Railway Access				
Total Population	million	1,049	2004	WDI
Total Land Area	sq km	3,284,000	2004	WDI
Railway Density in terms of				
Population	rail route km/1,000 people	0.06	2003	CIA
Land Area	rail route km/sq km land	0.02	2003	CIA
Railway Traffic Density of Passenger	passengers/rail route km/yr	78,752	2003	WBS
Railway Traffic Density of Freight	tons/rail route km/yr	8,218	2003	WBS
Goods Transported Annually by Rail	millions tons/yr	518.74	2003	IRYB
Passengers Transported Annually by Rail	million passengers/yr	4,971	2003	IRYB
			44,723	9,292-78,752
			2,335	310-8,218
Affordability				
Rail Passenger Tariff	\$			
Long Distance		0.006	2003	IRASS
Urban		0.003	2003	IRASS
Suburban				
Average Rail Tariff				
Freight	\$/ton km	0.016	2003	IRASS
Passenger	\$/passenger km	0.005	2003	IRASS
			0.0048	0.003-0.006
			N/A	0.003
			N/A	0.003
			0.043	0.016-0.14
			0.0112	0.003-0.03
Railway Finance				
Rail Passenger Revenue	\$/pass-km	0.0052	2003	IRYB
Rail Freight Revenue	\$/ton-route km	0.0002	2003	IRYB
No. of Employees		1,471,850	2003	IRYB
Railway Employee Productivity(annual output/employee)				
No. of Passenger Coaches		34,895	2003	IRYB
No. of Freight Wagons		214,760	2003	IRYB
No. of Main Line Locomotives Operational Total				
Electric		7,681	2003	IRYB
Diesel		2,930	2003	IRYB
Steam		4,699	2003	IRYB
		52	2003	IRYB
			0.57	0.0043-0.0069
			0.0021	0.0002-0.0048

Notes:

(#1): WDI: World Bank. World Development Indicators. 2004. Data provided are for the year available in the period of 1995-2001.

(#2): IRYB: Indian Railway Year Book 2002-2003. P.3

(#3): CIA: Calculated based on the raw data at CIA - The World Fact Book.

(#4): IRASS: Indian Railway Annual Statistical Statement 2002-03.

(#5): WBS: World Bank Staff.

Average: Average figure for the South Asia region

Range: Range of figures for the South Asian region