

India: Transport At A Glance, 2007

Core Road Performance Indicators

Country	India			Average	Range
Year	2007				
Road Network					
Length of Total Roads, Total	km	3,516,452	2004	NHAI	
Main Roads	km	666,452	2006	NHAI	
Urban Roads					
Classified Rural Roads	km	1,730,000	2006	NHAI	
Other Rural Roads	km	920,000	2006	NHAI	
Other Urban Roads	km	200,000	2006	NHAI	
Length of Paved Roads, Total	km	1,604,000	2004	UNESCAP	
Length of Paved Roads	%	47.3%	2004	WDI	47% 23.7% - 81%
Roads in "good and regular" (fair) condition	%	74.3%	1995-99	WB 1	
Road Network Asset Value					
Total	million \$	N/A			
Classified Rural Roads	million \$	49,813	2002	WB	
Paved Roads of 2-lane roads	%	34%	2000	RDP	
Paved Roads of 4-lane roads	%	1%	2000	RDP	
Total Road Length					
Highways	km	58,000	2002	WB 1	
Road Access					
Access to All-Season Road	% of Rural Population	61%	2006	PMGSY	55% 39%-85%
Total Number of Motor Vehicles	No.	72,718,000	2004	MORTH 1	
Road Density in terms of					
Population	road km/1,000 people	3	2006	NHAI/ WDI	2.8 0.6-6.5
Land	road km/1,000 sq km total land	1,115	2006	NHAI/ WDI	745.4 53 - 2,079
Goods Transported Annually by Road	million tons/km-yr				
Goods Transported Annually by Road	% of total freight	65%	2005	MORTH 2	
Passengers Transported Annually by Road	% of total passengers	86.7%	2005	MORTH 2	
Road Finance					
Annual Road Expenditure (Actual)	million \$	211,000	2002	WB 4	
Ratio of Actual to Required Maintenance Expenditure	%	20-57%	1999-2000	WB 1	20%-58%
Annual Road Budget	million \$	4,707	FY 2006-07	MOF	
Affordability					
Average Pump Price for Super Gasoline	\$/liter	\$1.01	2007	GTZ	0.9 0.68 - 1.01
Average Pump Price for Diesel Fuel	\$/liter	\$0.75	2007	GTZ	0.7 0.45-0.75
Motor Fuel Tax					
Gasoline	% of pump price	19-30%	2003	WB 2	
Diesel	% of pump price	8.6-34%	2003	WB 2	
Vehicle Registration Fees	% of vehicle price, one-time fee	2-6%	2003	WB 2	
Average Road Tariff for Freight	\$/ton-km				
Inter-city		0.015-0.021	2002	WB 3	0.015-0.2
Road Safety and Environment					
Annual Fatalities in Road Accidents	fatalities/10,000 vehicles	12.7	2004	MORTH 3	26.6 6-85.6

Notes:

NHAI: National Highway Authority of India

UNESCAP: UN and ESCAP Statistical Yearbooks, which quoted data from Country Statistical Yearbooks

GOI: GOI Tenth Five Year Plan (2002-2007)

MOF: Ministry of Finance, Union Budget for 2006-07

WB 1: World Bank, India's Transport Sector : The Challenges Ahead, Volumes 1 & 2, 2002

WB 2: World Bank, India Financing Highways, 2004

WB 3: World Bank, Pakistan Transport Competitiveness Study, 2006

WB 4: India Financing Highways, Report No.30363-IN, WB SASEI, October 21, 2004, p. 19.

WDI: World Bank World Development Indicators

RDP: Road Development Plan; Vision 2021, www.nhai.org

PMGSY: PMGSY Briefing Book, 2006, <http://pmgsy.nic.in/downloads/bbook06.pdf>

MORTH 1: MORTH, <http://morth.nic.in/writereaddata/sublinkimages/table-12458822488.htm>

MORTH 2: MORTH's Annual Report 2006-07: http://morth.nic.in/writereaddata/sublinkimages/Annual_Report_0607_Eng6260486566.pdf

MORTH 3: Sundar Committee on Road Safety and Traffic Management;

http://morth.nic.in/writereaddata/sublinkimages/Road_Safety_sundar_report4006852610.pdf

GTZ: <http://www.gtz.de/fuelprices>

Average: Average figures for the South Asia region

Range: Range of figures for the South Asia region

Core Railway Performance Indicators

Country		India			Average	Range
Year		2007				
Railway Network						
Total Track	km	109,996	Year	Source		
Total Route	km	63,327	2007	IRYB		
By Gauge		route-km				
Broad Gauge		49,819	2007	IRYB		
Narrow Gauge		2,886	2007	IRYB		
By Type						
Single Track		45,961	2007	IRYB		
Double Track		16,555	2007	IRASS		
Electrified		17,786	2007	IRYB		
Three Tracks		811	2007	IRASS		
Percentage of Multi-Tracked Lines	%	25.7%	2003	IRASS		
Railway Access						
Total Population	million	1,110	Year	Source		
Total Land Area	sq km	2,973,190	2007	WDI		
Railway Density in terms of				CIA		
Population	rail route km/1,000 people	0.06	2007	WBSC	0.031	0.0008-0.06
Land Area	rail route km/sq km land	0.021	2007	WBSC	0.012	0.00004-0.02
Railway Traffic Density of Passenger	passengers/rail route km/yr	98,205	2007	WBSC	46,709	10,452-98,205
Railway Traffic Density of Freight	tonnes/rail route km/yr	11,492	2007	WBSC	2,958	153-11,492
Goods Transported Annually by Rail	million tonnes/yr	727.75	2007	IRYB		
Passengers Transported Annually by Rail	million passengers/yr	6,219.0	2007	IRYB		
Affordability						
Rail Passenger Tariff	\$/passenger/km		Year	Source		
Long Distance		0.001	2007	IRASS		
Urban						
Suburban		0.002	2007	IRASS		
Average Rail Tariff						
Freight	US\$/ton km	0.021	2007	IRASS	0.044	0.013-0.14
Passenger	US\$ per passenger per km	0.006	2007	IRASS	0.012	0.003-0.03

Railway Finance			Year	Source		
Rail Passenger Revenue	US\$/pass-km	0.0060	2007	IRYB	0.0055	0.0041-0.006
Rail Freight Revenue	US\$/ton-route km	0.0002	2007	IRYB	0.0013	0.0002-0.0048
No. of Employees		1,406,430	2007	IRYB		
No. of Passenger Coaches		38,199	2007	IRYB		
No. of Freight Wagons		207,719	2007	IRYB		
No. of Main Line Locomotives Operational, Total		8,153	2007	IRYB		
Electric		3,294	2007	IRYB		
Diesel		4,816	2007	IRYB		
Steam		43	2007	IRYB		

Notes:

WDI: World Bank World Development Indicators

WBSC: World Bank staff's calculations

WBS: World Bank Icoal staff

IRYB: India Railway Yearbook

IRASS: India Railway Annual Statistical Statements.

CIA: CIA World Fact Book

Average: Average figures for the South Asia region

Range: Range of figures for the South Asia region