

Nepal: Transport At a Glance

Core Road Performance Indicators

Country	Nepal		Average	Range		
Year	2004					
Road Network						
Length of Roads, Total	km	16,834	2002	RS DOR		
Main Roads	km	4,794	2000	NRS		
Other Rural Roads	km	9,060	2002	NRS		
Other Urban Roads	km	2,051	2000	NRS		
Length of Paved Roads, Total	km	4,781	2002	RS DOR		
Length of Paved Roads	%	28%	2002	RS DOR	43.40%	9.50%-81%
Road Access						
Access to All-Season Road	% of Rural Population	30%	2004	WBLS		30%-76%
Total Number of Motor Vehicles	No.	392,565	2003	DTM		
Road Density in terms of						
Population	road km/1,000 people	0.66	2000	WBE	2.36	0.66-5.19
Land	road km/1,000 sq km total land	108.06	2000	WBE	651.25	32.4-1,662
Average Distance to Nearest Transportation Stop						
Urban Population	km	0.67	2004	FS		0.67-1.25
Rural Population	km	30	2004	FS		5-30
Goods Transported Annually by Road	million tons/km-yr	13,179 million	2001	WB		
Goods Transported Annually by Road	% of total freight					
Passengers Transported Annually by Road	million passenger/km-yr	26,480 million	2001	WB		
Road Finance						
Annual Road Expenditure (Actual)	million (\$)	54.00	FY2004	DOR		
Annual Road Expenditure as a Share of GDP	%	0.92%	FY2001	DOR		2%
Actual Maintenance Expenditure	million (\$)	7	FY2004	MB, DOR		
Maintenance Expenditure per km of Paved Road	\$/km paved road	\$3,000	FY2004	SMD, DOR		
Ratio of Actual to Required Maintenance Expenditure	%	50%	FY2004	MB, DOR		20-57%
Annual Road Budget	million (\$)	72	1998-99	DOR		
Preventive Maintenance Road Cost for Maintainable Roads Annually						
Road Network	(\$)/maintanable road km	\$700	FY2004	MB, DOR		
Main Roads	(\$)/maintanable road km	\$380	FY2004	MB, DOR		
Classified Rural	(\$)/maintanable road km	\$100	FY2004	MB, DOR		
External Funds Share						
of Total Road Expenditure	%	68%	FY2004	DOR		43%-68%
of Total Maintenance Budget	%	36%	FY2004	DOR		20%-36%
Affordability						
Average Pump Price for Super Gasoline	\$/liter	0.73	2004	WDI	0.76	0.53-0.87
Average Pump Price for Diesel Fuel	\$/liter	0.42	2004	WDI	0.44	0.34-0.58
Annual License Fees	\$/local currency	\$9.15-26.14	2003	HNKP		
Vehicle Registration Fees						
% of vehicle price, one-time fee		6.50	2002-03	DTM		
Average Road Tariff per Passenger						
Inter-city	\$/passenger-km	0.1	2003	DTM		
Intra-city		0.09	2003	DTM		
Rural		0.2	2003	DTM		
Average Road Tariff for Freight						
Inter-city		0.2	2003	PHC		
Intra-city		0.06	2003	PHC		
Rural		0.1	2003	PHC		

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Urban Transport Modes-Modal Structure	% work trips per mode	Year	Source		
a) private car	20%	2003	TCC		
b) train or tram	0%	2003	TCC		
c) bus or minibus	59%	2003	TCC		
d) motorcycle	13%	2003	TCC		
e) bicycle, foot and other modes	8%	2003	TCC		

Road Safety and Environment		Year	Source		
Fatal Accident Costs	\$	2002	TU, DOR		4,074-44 million

Notes:

- (#1): NRS: New Survey Data of Nepal Road Statistics, 2000. Accessed at <http://www.dorhmis.gov.np/nrs2000.htm>
 (#2): WBLs: Estimated by WB local staff.
 (#3): DTM: Department of Transport Management (DTM)
 (#4): WBE: Calculated based on road and population data, and road and land data.
 (#5): FS: Field survey conducted by Mr. Santosh Kumar Bhattarai in 2004 of eight cities (for urban area), including: Kathmandu, Thimi, Rupandehi, Kapilb
 (#6): RS DOR: DOR, Nepal Road Statistics, 2002.
 (#7): WB: WB rough estimates based on Traffic Unit, Nepal Vehicle Kilometer Survey Report, 2001.
 (#8): DOR: DOR. Budget Book FY 2005.
 (#9): MB, DOR: Maintenance Branch, DOR. Budget Book FY 2005.
 (#10): SMD, DOR
 (#11): HNKP: Headline News Kathmandu Post, July 2003. Accessed at <http://www.nepalnews.com.np/contents/englishdaily/ktmpost/2003/jul/jul22/> For K
 (#12): PHC: Private haulage companies.
 (#13): TCC: Traffic count of Chabahil, 2003.
 (#14): TU, DOR: Traffic Unit, DoR

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

Core Railway Performance Indicators

Country	Nepal		Average	Range
Year	2004			
Railway Network				
Total Route	km	29		
By Gauge				
Broad Gauge		0		
Narrow Gauge		29		
By Type				
Electrified		0		
Railway Access				
Total Land Area	sq km	136,800		
Railway Density in terms of				
Population	rail route km/1,000 people	0.001	0.34	0.0009-0.73
Land Area	rail route km/sq km land	0.0002	0.12	0.00004-0.2
Railway Traffic Density of Passenger	passengers/rail route km/yr	44,138	44,723	9,292-78,752
Railway Traffic Density of Freight	tons/rail route km/yr	310	2,335	310-8,218
Goods Transported Annually by Rail	millions tons/yr	0.009		
Passengers Transported Annually by Rail	million passengers/yr	1.28		
Affordability				
Freight	\$/ton km	0.140	0.043	0.016-0.14
Passenger	\$/passenger km	0.010	0.0112	0.003-0.03
Railway Finance				
Rail Freight Revenue	\$/ton-route km	0.0048	0.0021	0.0002-0.0048
No. of Employees		200		

Notes:

- (#1): CIA - The World Fact Book, at <http://www.cia.gov/cia/publications/factbook/geos/np.html#People>. Accessed on July 11, 2004.
 (#2): NDTM: Nepal Department of Transport Management
 (#3): WB: WB calculations based on road and population data, and road and land data.

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