

Road and Transport

List of Tables

- 13.1:** Surfaced & Total Length of Roads
- 13.2:** Surfaced & Total Length of State Highways
- 13.3:** Total and Surfaced Length of other PWD Roads
- 13.4:** Length of National Highways
- 13.5:** Lane-wise Length of National Highways
- 13.6:** Length of other PWD Roads by Type of Surface
- 13.7:** Total and Surfaced Length of Rural Roads
- 13.8:** Length of Pradhan Mantri Gram Sadak Yojana (PMGSY) Roads
- 13.9:** Total and Surfaced Length of Urban Roads
- 13.10:** Length of Urban Roads
- 13.11:** Length of Military Engineering Service Roads
- 13.12:** Length of Municipal Roads
- 13.13:** Length of Railway Roads
- 13.14:** Outlay and Expenditure on Roads and Bridges
- 13.15:** National Highways
- 13.16:** Length of National and State Highways-by width
- 13.17:** Registered Motor Vehicles
- 13.18:** Number of Motor Vehicles Registered
- 13.19:** Registered Motor Vehicles
- 13.20:** Details of Road Accidents
- 13.21:** Details of Person Killed in Road Accidents
- 13.22:** Details of Person Injured in Road Accidents
- 13.23:** Types of Accidents
- 13.24:** Severity of Road Accidents

Table 13.1: Surfaced & Total Length of Roads

(in km.)

Year	Surfaced	Total
2009	6,615	11,019
2010	6,758	11,702
2011	7,072	11,984
2012	7,921	12,103
2013	8,039	12,317
2014	8,156	13,260
2015	8,996	13,372

Table 13.2: Surfaced & Total Length of State Highways

(in km.)

Year	Surfaced	Total
2009	1,110	1,134
2010	1,110	1,134
2011	1,110	1,134
2012	830	856
2013	835	858
2014	725	748
2015	725	751

Table 13.3: Total and Surfaced Length of other PWD Roads

(in km.)

Year	Surfaced	Total
2009	3,678	6,640
2010	3,722	7,225
2011	3,953	7,422
2012	4,678	7,413
2013	4,683	7,462
2014	4,871	7,765
2015	5,613	7,811

PWD: Public Works Department

Source (Tables 13.1-13.3): Ministry of Road Transport & Highways, Govt. of India (Basic Road Statistics of India, 2008-09, 2009-10, 2010-11, 2011-12, 2012-13, 2013-14, 2014-15). <http://morth.nic.in/>; (Accessed on 03.02.2017)

Table 13.4: Length of National Highways

(in km.)

Year	Length
2009	810
2010	810
2011	810
2012	1,171
2013	1,171
2014	1,171
2015	1,204

Table 13.5: Lane-wise Length of National Highways

(in km.)

Year	Less than 2 Lane	Two-Lane	Four-Lane & Above	Total
2009	454	356	0	810
2010	395	415	0	810
2011	395	415	0	810
2012	665	506	0	1,171
2013	665	506	0	1,171
2014	712	459	0	1,171
2015	672	496	36	1,204

Source (Tables 13.4-13.5): Ministry of Road Transport & Highways, Govt. of India (Basic Road Statistics of India, 2011-12, 2012-13, 2013-14, 2014-15).
<http://morth.nic.in/>; (Accessed on 05.02.2017)

Table 13.6: Length of other PWD Roads by Type of Surface

(in km.)

Year	Surfaced			Unsurfaced			Grand Total (A+B)
	W.B.M.	B.T./C.C.	Total (A)	Motorable	Non-Motorable	Total (B)	
2009	0	3,678	3,678	2,962	0	2,962	6,640
2010	0	3,722	3,722	3,503	0	3,503	7,225
2011	0	3,953	3,953	3,469	0	3,469	7,422
2012	698	3,980	4,678	2,735	0	2,735	7,413
2013	605	4,078	4,683	2,779	0	2,779	7,462
2014	784	4,087	4,871	2,894	0	2,894	7,765
2015	784	4,829	5,613	2,198	0	2,198	7,811

PWD: Public Works Department; W.B.M.: Water Bound Macadam; B.T.: Bituminous; C.C.: Cement Concrete

Source: Ministry of Road Transport & Highways, Govt. of India (Basic Road Statistics of India, 2011-12, 2012-13, 2013-14, 2014-15). <http://morth.nic.in/>; (Accessed on 05.02.2017)

Table 13.7: Total and Surfaced Length of Rural Roads*

(in km.)

Year	Surfaced	Total
2009	789	1,388
2010	886	1,485
2011 (P)	970	1,569
2012	1,014	1,613
2013	1,194	1,793
2014	1,061	2,801
2015	1,105	2,807

P: Provisional; *Excluding Jawahar Rojgar Yojna (JRY) Roads

Source: Ministry of Rural Development, Ministry of Road Transport & Highways, Govt. of India; State Rural Works Departments/ Local Self- Government; Departments/State Panchayati Raj Departments/State Rural Road Departments and National Rural Road Development Agency (Basic Road Statistics of India, 2008-09, 2009-10, 2010-11, 2011-12, 2012-13, 2013-14, 2014-15). <http://morth.nic.in/>; (Accessed on 11.02.2017)

Table 13.8: Length of Pradhan Mantri Gram Sadak Yojana (PMGSY) Roads*

(in km.)

Year	Length
2009	784
2010	881
2011	965
2012	1,009
2013	1,189
2014	2,197
2015	2,203

*All PMGSY Roads are surfaced.

Table 13.9: Total and Surfaced Length of Urban Roads

(in km.)

Year	Surfaced	Total
2009	106	110
2010	106	110
2011	106	110
2012	106	110
2013	26	30
2014	191	195
2015	211	215

*Excluding Jawahar Rojgar Yojna (JRY) Roads

Source (Tables 13.8-13.9): Ministry of Rural Development, Ministry of Road Transport & Highways, Govt. of India; State Rural Works Departments/ Local Self- Government; Departments/State Panchayati Raj Departments/State Rural Road Departments and National Rural Road Development Agency (Basic Road Statistics of India, 2008-09, 2009-10, 2010-11, 2011-12, 2012-13, 2013-14, 2014-15). <http://morth.nic.in/>; (Accessed on 11.02.2017)

Table 13.10: Length of Urban Roads

(in km.)

Year	Surfaced			Unsurfaced			Grand Total (A+B)
	W.B.M.	B.T./C.C.	Total (A)	Motorable	Non-Motorable	Total (B)	
2009	0	106	106	1	3	4	110
2010	0	106	106	1	3	4	110
2011	0	106	106	1	3	4	110
2012	0	106	106	1	3	4	110
2013	0	26	26	4	0	4	30
2014	0	191	191	4	0	4	195
2015	0	211	211	4	0	4	215

Table 13.11: Length of Military Engineering Service Roads

(in km.)

Year	Surfaced			Unsurfaced			Grand Total (A+B)
	W.B.M.	B.T./C.C.	Total (A)	Motorable	Non-Motorable	Total (B)	
2009	0	80	80	0	0	0	80
2010	0	80	80	0	0	0	80
2011	0	80	80	0	0	0	80
2012	0	80	80	0	0	0	80
2013	0	0	0	0	0	0	0
2014	0	163	163	0	0	0	163
2015	0	183	183	0	0	0	183

W.B.M.: Water Bound Macadam; B.T.: Bituminous; C.C.: Cement Concrete

Source (Tables 13.10-13.11): Ministry of Road Transport & Highways, Govt. of India; Various State Govt. Departments; Directorate of Works, Engineering in Chief's Branch, Integrated HQ of MoD (Army); (Basic Road Statistics of India 2008-09, 2009-10, 2010-11, 2011-12, 2012-13, 2013-14, 2014-15). <http://morth.nic.in/>; (Accessed on 19.02.2017)

Table 13.12: Length of Municipal Roads

(in km.)

Year	Surfaced			Unsurfaced			Grand Total (A+B)
	W.B.M.	B.T./C.C.	Total (A)	Motorable	Non-Motorable	Total (B)	
2009	0	26	26	1	3	4	30
2010	0	26	26	1	3	4	30
2011	0	26	26	1	3	4	30
2012	0	26	26	1	3	4	30
2013	0	26	26	1	3	4	30
2014	0	26	26	1	3	4	30
2015	0	26	26	1	3	4	30

Source: Ministry of Road Transport & Highways, Govt. of India; Various State Govt. Departments; Directorate of Works, Engineering in Chief's Branch, Integrated HQ of MoD (Army); (Basic Road Statistics of India 2008-09, 2009-10, 2010-11, 2011-12, 2012-13, 2013-14, 2014-15). <http://morth.nic.in/>; (Accessed on 19.02.2017)

Table 13.13: Length of Railway Roads

(in km.)

Year	Surfaced			Unsurfaced			Grand Total (A+B)
	W.B.M.	B.T./C.C.	Total (A)	Motorable	Non-Motorable	Total (B)	
2014	0	2	2	0	0	0	2
2015	0	2	2	0	0	0	2

Source: Ministry of Road Transport & Highways, Govt. of India; Various State Govt. Departments (Basic Road Statistics of 2008-09, 2009-10, 2010-11, 2011-12, 2012-13, 2013-14, 2014-15). <http://morth.nic.in/>; (Accessed on 27.02.2017)

Table 13.14: Outlay and Expenditure on Roads and Bridges

(in Rs. Lakhs)

Year	Approved Outlay	Expenditure
2011-12	27,830	24378.37
2012-13	44,062	24763.44
2013-14	42,510	37,389.00

Source: Ministry of Road Transport & Highways, Govt. of India; Niti Ayog, Yojana Bhawan, New Delhi (Basic Road Statistics of 2008-09, 2009-10, 2010-11, 2011-12, 2012-13, 2013-14, 2014-15). <http://morth.nic.in/>; (Accessed on 26.02.2017)

Table 13.15: National Highways (as on 31st March, 2015)

National Highways	40, 44, 51, 62 & 127B New
Total Length (km.)	1204.36

Source: Ministry of Road Transport & Highways, Govt. of India; Niti Ayog, Yojana Bhawan, New Delhi (Basic Road Statistics of 2008-09, 2009-10, 2010-11, 2011-12, 2012-13, 2013-14, 2014-15). <http://morth.nic.in/>; (Accessed on 26.02.2017)

Total 13.16: Length of National and State Highways-by Width

(in km.)

Year		2008	2009	2010	2011	2012	2013
Surfaced Length of National Highways	Below Standard Single Lane	-	-	-	-	-	-
	Standard Single Lane	454	454	395	395	665	665
	Standard Double Lane	356	356	415	415	506	506
	Standard Multi Lane	-	-	-	-	-	0
	Total	810	810	810	810	1,171	1,171
	Below Standard Single Lane (BSSL)	-	-	-	-	-	-
	Standard Single Lane (SSL)	-	-	-	-	73	-
	BSSL/SSL	1,070	1,110	1,110	1,110	709	757
Surfaced Length of State Highways	Standard Double Lane	40	-	-	-	48	78
	Standard Multi Lane	-	-	-	-	-	0
	Total	1110	1,110	1,110	1,110	830	835

Source: Transport Research Wing, Ministry of Road Transport and Highways. Ministry of Statistics & Programme Implementation, Govt. of India (Statistical Year Book, India 2016). <http://www.mospi.gov.in/statistical-year-book-india/2016/190>; (Accessed on 22.02.2017)

Table 13.17: Registered Motor Vehicles

(in Thousands)

Year	Nos.
2008	128
2009	142
2010	158
2011	176
2012	198
2013	220
2014	248
2015	267

Source: Ministry of Road Transport & Highways, Govt. of India, Offices of State Transport Commissioners/UT Administrations (Road Transport Year Book 2012-13, 2013-14, 2014-15). <http://morth.nic.in/>; (Accessed on 07.02.2017)

Total 13.18: Number of Motor Vehicles Registered

(in Number)

Year	2009	2010	2011	2012
Two-Wheeler	45,747	51,709	56,790	65,712
Light Motor Vehicles(Passengers)	4,842	5,348	6,000	6,744
Jeeps	13,652	14,328	15,011	15,682
Cars	32,995	37,981	43,901	49,728
Taxis	11,352	12,607	14,507	16,205
Buses	3,905	4,007	4,116	4,323
Goods Carrier Vehicles(a)	24,172	26,327	29,122	32,661
Miscellaneous(b)	5,212	5,805	6,289	6,782
Total No. of vehicles	1,41,877	1,58,113	1,75,737	1,97,838

Source: Transport Research Wing, Ministry of Surface Transport. Ministry of Statistics & Programme Implementation, Govt. of India (Statistical Year Book, India 2016). <http://www.mospi.gov.in/statistical-year-book-india/2016/189>; (Accessed on 22.02.2017)

Table 13.19: Registered Motor Vehicles

Year	Registered Motor Vehicles (per 1000 Population)	% Share
2011	59	0.1
2012	75	0.1
2013	82	0.1
2014	97	0.1

Source: Ministry of Road Transport & Highways, Govt. of India
(Road Transport Year Book, 2009-10, 2010-11, 2011-12)
<http://morth.nic.in/>; (Accessed on 29.02.2017)

Table 13.20: Details of Road Accidents

Year	Total Number of Road Accidents	Share of States/UTs in Total Number of Road Accidents	Total Number of Accidents Per Lakh Population	Total Number of Road Accidents per 10,000 Vehicles	Total Number of Road Accidents per 10,000 km of Roads
2011	599	0.1	20.2	34.1	499.8
2012	483	0.1	18.2	24.4	399.1
2013	525	0.1	19.6	23.9	426.2
2014	542	0.1	20.0	-	-
2015	606	0.1	22.1	-	-

P: Provisional

Source: Ministry of Road Transport & Highways Transport Research Wing: Govt. of India, New Delhi.
<http://morth.nic.in/>; (Accessed on 08.02.2017)

Table 13.21: Details of Person Killed in Road Accidents

Year	Total Number of Persons Killed in Road Accidents	Share of States/UTs in Total Number of Persons Killed in Road Accidents	Total Number of Persons Killed in Road Accidents (per lakh Population)	Total Number of Persons Killed in Road Accidents (per 10,000 Vehicles)	Total Number of Persons Killed in Road Accidents (per 10,000 km of Roads)
2011	212	0.1	7.2	12.1	176.9
2012	219	0.2	8.3	11.1	180.9
2013	130	0.1	4.8	5.9	105.5
2014	141	0.1	5.2	-	-
2015	183	0.1	6.7	-	-

P: Provisional

Source: Ministry of Road Transport & Highways Transport Research Wing: Govt. of India, New Delhi. <http://morth.nic.in/>; (Accessed on 08.02.2017)

Table 13.22: Details of Person Injured in Road Accidents

Year	Total Number of Persons Injured in Road Accidents	Share of States/UTs in Total Number of Persons Injured in Road Accidents	Total Number of Persons Injured in Road Accidents (per lakh Population)	Total Number of Persons Injured in Road Accidents (per 10,000 Vehicles)	Total Number of Persons Injured in Road Accidents (per 10,000 km of Roads)
2011	591	0.1	19.9	33.6	493.2
2012	322	0.1	12.1	16.3	266.0
2013	412	0.1	15.4	18.7	334.5
2014	311	0.1	11.5	-	-
2015	319	0.1	11.6	-	-

P: Provisional

Source: Ministry of Road Transport & Highways Transport Research Wing: Govt. of India, New Delhi. <http://morth.nic.in/>; (Accessed on 08.02.2017)

Table 13.23: Types of Accidents (as on, 2014)

Type of Accidents	Number
Fatal Accidents	153
Grievous Injury Accidents	149
Minor Injury Accidents	170
Non-Injury Accidents	134
Total Accidents	606

Source: Ministry of Road Transport & Highways Transport Research Wing:
Govt. of India, New Delhi.
<http://morth.nic.in/>; (Accessed on 08.02.2017)

Table 13.24: Severity* of Road Accidents

Year	Number
2011	35.4
2012	45.3
2013	24.8
2014	26
2015	30.2

* Accident Severity: Road accident deaths per 100 accidents

Source: Ministry of Road Transport & Highways Transport Research Wing, Govt. of India, New Delhi.
<http://morth.nic.in/>; (Accessed on 10.02.2017)