

## 19. ROADS

This section provides comprehensive data on different categories Roads including National Highways, State highways, PWD Roads, Rural Roads constructed under Jawahar Rojgar Yojna (JRY) etc.

The information in this section is based on the data collected by Transport Research Wing (TRW), Ministry of Roads Transport and Highways on various categories of roads in the country, from as many as 360 agencies spread all over the country.

### Table 19.1

The total road length in India has been categorized in three parts viz. Highways, Urban Roads and Project Roads, the information about which has been presented here by total and surfaced length.

### Table 19.2

The road length of highways consists of the route lengths of highways running through the length and breadth of the large administrative areas of districts, states and the country, connecting all urban areas/centres of traffic.

- (a) National highway is a highway, which is declared as such under the National Highways Act, 1956.
- (b) State highway is a highway, which is declared as such by State Government.
- (c) Other highways are those highways which are maintained by State Public Works Departments (except National highways and State highways), District Boards /Zila Parishads, Village Panchayats and Panchayat Samitis/ C.D. Blocks.

### Table 19.3

Data on urban road length shown in this table relate to roads constructed and maintained by municipalities, by Railways within Railway Colonies, by Port Authority in the Port Areas and by Military Engineering Service in Cantonment areas.

### Table 19.4

The road lengths given here include the lengths of access roads within project areas for the exploitation of resources such as forests, hydropowers, sugarcane, irrigation, coal etc.

### Table 19.5

Width-wise length of National and State highways are classified as single lane, double lane or multi-lane, according to the carriageway. Width of the roads (other than that in hilly terrain) is below 7 metres, 7 to 10.5 metres and above 10.5 metres respectively as per standards laid down by Indian Road Congress.

### Table 19.6

The table indicates growth of National highways and expenditure thereon since 1990-91.

## ROADS

**Table 19.1-TOTAL AND SURFACED ROAD LENGTH**

(as on 31st March)

(kilometre)

Year/State/U.T.	Total		Highways		Urban Roads		Project Roads	
	Total	Surfaced	Total	Surfaced	Total	Surfaced	Total	Surfaced
1	2	3	4	5	6	7	8	9
1991	2331086	1091043	1605408	858203	186799	136644	209737	30368
1994	2955231	1338745	1716172	989474	202013	147048	224606	39735
1995	3059317	1380241	1743183	1013961	204577	148672	225481	40393
1996	3283072	1477458	1908469	1093041	212920	156124	245673	45091
1997	2398788	1363127	1917335	1138373	231573	175798	249880	48956
1998	2328356	1308420	1522874	1079020	236055	178877	269427	50523
1999	2396650	1355380	1888261	1124064	237866	180558	270523	50758
2000	2416078	1390598	1953843	1146232	248408	188325	213827	56041
2001(P)	2446667	1414547	1967005	1166209	252001	191797	223665	56541
2002(P)	2483344	1420489	1981409	1175353	250122	190102	225116	55034
<b>2002(P)</b>								
<b>State:</b>								
Andhra Pradesh	196172	119857	173710	104782	13519	10764	8943	4311
Arunachal Pradesh	18365	5689	17218	5612	36	36	1111	41
Assam	89486	12882	78471	10382	3904	2022	7111	478
Bihar	76065	32858	68551	29257	5105	2882	2409	719
Chhattisgarh	35372	24476	35069	24219	-	-	303	257
Goa	9672	6830	9031	6332	524	444	117	54
Gujarat	137617	124295	117634	110381	14746	11455	5237	2459
Haryana	28203	26311	23019	22794	4608	3387	576	130
Himachal Pradesh	29617	16754	26202	15342	1639	1351	1776	61
Jammu & Kashmir	23429	9943	11922	8606	1175@	1147@	10332	190
Jharkhand	11486	2840	1413	1413	-	-	10073	1427
Karnataka	152599	104241	126609	86772	9066	7315	16924	10154
Kerala	150851	50164	130775	37988	13509	10126	6567	2050
Madhya Pradesh	160968	78191	115213	62771	14917	10467	30838	4953
Maharashtra	267452	209559	222516	188272	19932	14694	25004	6593
Manipur	11434	3863	10882	3782	135	81	417	-
Meghalaya	9565	6560	8165	6383	106	102	1294	75
Mizoram	5075	2877	4826	2867	10	10	239	-
Nagaland	21021	6451	20180	6332	96	94	725	5
Orissa	237034	52245	206238	38095	16786	9506	14010	4644
Punjab	61530	52747	46476	46476	8153	5396	6901	875
Rajasthan	132482	82456	122167	77569	6271	3987	4044	900
Sikkim	2019	1546	1918	1509	36	36	65	1
Tamil Nadu	166061	125887	146507	110781	12300	11135	7254	3971
Tripura	16296	4393	14740	4195	228	187	1328	11
Uttar Pradesh	248481	166659	159957	117353	50721	41057	37823	8269
Uttanchal	33547	10730	16701	10202	-	-	16846	528
West Bengal	92023	49517	60528	30560	24783	17148	6712	1809
<b>Union Territory:</b>								
A. & N. Islands	1180	1180	1172	1172	8	8	..	-
Chandigarh	2045	2045	432	432	1613	1613	-	-
D. & N. Haveli	580	580	580	580	-	-	-	-
Daman and Diu	414	324	287	208	127	116	-	-
Delhi	25785	23274	390	390	25395	22884	-	-
Lakshadweep	150	150	149	149	1	1	-	-
Pondicherry	2571	2115	1761	1395	673	651	137	69

Source: Transport Research Wing, Ministry of Road Transport and Highways

Note : Excludes 3996 km (in 2001) and 26697 km (in 2002) of PMGSY roads.

## ROADS

**Table 19.2- LENGTH OF HIGHWAYS BY AUTHORITIES**  
(as on 31st March)

(kilometre)

Year/State/U.T.	National Highways		State Highways		Other PWD Roads		Zilla Parishad Roads	
	Total	Surfaced	Total	Surfaced	Total	Surfaced	Total	Surfaced
1	2	3	4	5	6	7	8	9
1991	<b>33650</b>	33399	<b>127311</b>	124847	<b>509435</b>	390931	<b>395005</b>	210453
1994	<b>34249</b>	34033	<b>132401</b>	129974	<b>500615</b>	406847	<b>378779</b>	222218
1995	<b>34262</b>	34046	<b>134085</b>	131506	<b>511046</b>	414320	<b>431047</b>	236719
1996	<b>34508</b>	34291	<b>135187</b>	132862	<b>716967</b>	567397	<b>435716</b>	238382
1997	<b>34849</b>	34637	<b>137119</b>	134802	<b>758264</b>	610512	<b>444572</b>	243977
1998	<b>38517</b>	38354	<b>136489</b>	134304	<b>651509</b>	542145	<b>451574</b>	247959
1999	<b>49585</b>	49368	<b>137950</b>	135679	<b>672316</b>	563241	<b>456666</b>	250995
2000	<b>52010</b>	51952	<b>132797</b>	130592	<b>730680</b>	601512	<b>483137</b>	272899
2001(P)	<b>57737</b>	57679	<b>132100</b>	129862	<b>736001</b>	610516	<b>487604</b>	275786
2002(P)	<b>58112</b>	58006	<b>137711</b>	135546	<b>725425</b>	603358	<b>499462</b>	283832
<b>2002</b>								
<b>State:</b>								
Andhra Pradesh	<b>4038</b>	4038	<b>8201</b>	8043	<b>52838</b>	48112	<b>108633</b>	44589
Arunachal Prade	<b>392</b>	381	-	-	<b>12169</b>	5231	-	-
Assam	<b>2836</b>	2836	<b>1811</b>	1533	<b>26416</b>	4733	-	-
Bihar	<b>3502</b>	3502	<b>4092</b>	4092	<b>13947</b>	12785	<b>47010(b)</b>	8878(b)
Chhattisgrah	<b>1774</b>	1774	<b>3611</b>	3523	<b>29684</b>	18922	-	-
Goa	<b>269</b>	269	<b>226</b>	226	<b>4555</b>	3851	-	-
Gujarat	<b>2461</b>	2461	<b>19163</b>	18802	<b>52470</b>	49515	<b>43540(c)</b>	39603(c)
Haryana	<b>1361</b>	1361	<b>2461</b>	2461	<b>19197</b>	18972	-	-
Himachal Prades	<b>1188</b>	1188	<b>3682</b>	3470	<b>20772</b>	10555	-	-
Jammu & Kashm	<b>823</b>	823	<b>688</b>	529	<b>7671(a)</b>	5561(a)	-	-
Jharkhand	<b>1413</b>	1413	-	-	-	-	-	-
Karnataka	<b>3570</b>	3570	<b>9829</b>	9823	<b>28286</b>	28181	<b>80259(c)</b>	44670(c)
Kerala	<b>1440</b>	1440	<b>3849</b>	3584	<b>17498</b>	16788	-	-
Madhya Pradesh	<b>4664</b>	4664	<b>8035</b>	7986	<b>55348</b>	44959	-	-
Maharashtra	<b>3626</b>	3626	<b>33405</b>	33105	<b>29058(b)</b>	27956	<b>156427</b>	123585
Manipur	<b>954</b>	954	<b>1118</b>	952	<b>6638</b>	1814	-	-
Meghalaya	<b>717</b>	717	<b>831</b>	747	<b>6013</b>	4914	-	-
Mizoram	<b>927</b>	894	<b>169</b>	144	<b>3730</b>	1829	-	-
Nagaland	<b>369</b>	369	<b>398</b>	398	<b>6273</b>	945	<b>8023</b>	3340
Orissa	<b>3301</b>	3301	<b>4050</b>	4038	<b>38542</b>	30756	-	-
Punjab	<b>1553</b>	1553	<b>2166</b>	2166	<b>42757</b>	42757	-	-
Rajasthan	<b>4597</b>	4535	<b>8516</b>	8514	<b>64767</b>	56361	-	-
Sikkim	<b>62</b>	62	<b>186</b>	186	<b>1670</b>	1261	-	-
Tamil Nadu	<b>3758</b>	3758	<b>7178</b>	7178	<b>48407</b>	48398	-	-
Tripura	<b>400</b>	400	<b>136</b>	136	<b>5569</b>	3659	-	-
Uttar Pradesh	<b>4942</b>	4942	<b>9098</b>	9098	<b>100971</b>	91127	<b>12933</b>	6313
Uttranchal	<b>1075</b>	1075	<b>1110</b>	1110	<b>14516</b>	8017	-	-
West Bengal	<b>1951</b>	1951	<b>3533</b>	3533	<b>12565</b>	12301	<b>42479(d)</b>	12775(d)
<b>Union Territory:</b>								
A. & N. Islands	-	-	-	-	<b>1172</b>	1172	-	-
Chandigarh	<b>24</b>	24	<b>92</b>	92	<b>316</b>	316	-	-
D. & N. Haveli	-	-	<b>42</b>	42	<b>538</b>	538	-	-
Daman and Diu	-	-	-	-	<b>98</b>	98	<b>158</b>	79
Delhi	<b>72</b>	72	-	-	<b>318</b>	318	-	-
Lakshadweep	-	-	-	-	<b>149</b>	149	-	-
Pondicherry	<b>53</b>	53	<b>35</b>	35	<b>507</b>	507	-	-

(a) As on 31st March, 1986 (d) As on 31st March, 2001.

(b) As on 31st March, 1996

(c) As on 31st March, 1999

Note : Decrease in road length in some states is due to upgradation to National Highways and State Highways.

## ROADS

**Table 19.2-LENGTH OF HIGHWAYS BY AUTHORITIES-Concl'd.**

(as on 31st March)

(kilometre)

Year/State/U.T.	Village Panchayat roads		CD/Panchayat Samiti roads		Rural Roads Constructed under JRY		Total highways	
	Total	Surfaced	Total	Surfaced	Total	Surfaced	Total	Surfaced
1	10	11	12	13	14	15	16	17
1991	313374	45028	222909	52669	329142	148909	<b>1930826</b>	<b>1006236</b>
1994	452632	129224	153215	34006	812440	248296	<b>2464331</b>	<b>1204598</b>
1995	454138	134857	114324	29341	886076	73635	<b>2564978</b>	<b>1054424</b>
1996	406575	58929	115235	28008	916010	29934	<b>2760198</b>	<b>1089803</b>
1997	444737	84463	97794	29982	-	39474	<b>1917335</b>	<b>1177847</b>
1998	445353	84374	99432	31884	-	36342	<b>1822874</b>	<b>1079020</b>
1999	425486	69485	146258	55296	-	49568	<b>1888261</b>	<b>1124064</b>
2000	408524	53705	146695	35572	-	-	<b>1953843</b>	<b>1146232</b>
2001(P)	406150	55675	147413	36691	-	-	<b>1967005</b>	<b>1166209</b>
2002(P)	412595	57338	148104	37273	-	-	<b>1981409</b>	<b>1175353</b>
<b>2002</b>								
<b>State:</b>								
Andhra Pradesh	-	-	-	-	-	-	<b>173710</b>	<b>104782</b>
Arunachal Prade	4657(a)	-	-	-	-	-	<b>12561</b>	<b>5612</b>
Assam	3273	-	44135(e)	1280(e)	-	-	<b>31063</b>	<b>9102</b>
Bihar	-	-	-	-	-	-	<b>21541</b>	<b>20379</b>
Chhattisgrah	-	-	-	-	-	-	<b>35069</b>	<b>24219</b>
Goa	3981	1986	-	-	-	-	<b>7036</b>	<b>6332</b>
Gujarat	-	-	-	-	-	-	<b>74094</b>	<b>70778</b>
Haryana	-	-	-	-	-	-	<b>23019</b>	<b>22794</b>
Himachal Prades	-	-	560(e)	129(e)	-	-	<b>25642</b>	<b>15213</b>
Jammu & Kashm	-	-	2740*	1693*	-	-	<b>1511</b>	<b>1352</b>
Jharkhand	-	-	-	-	-	-	<b>1413</b>	<b>1413</b>
Karnataka	4665(b)	528(b)	-	-	-	-	<b>41685</b>	<b>41574</b>
Kerala	107988 (c)	16176(c)	-	-	-	-	<b>22787</b>	<b>21812</b>
Madhya Pradesh	47166(d)	5162(d)	-	-	-	-	<b>68047</b>	<b>57609</b>
Maharashtra	-	-	-	-	-	-	<b>193458</b>	<b>188272</b>
Manipur	-	-	2172(a)	62(a)	-	-	<b>8710</b>	<b>3720</b>
Meghalaya	-	-	604(a)	5(a)	-	-	<b>7561</b>	<b>6378</b>
Mizoram	-	-	-	-	-	-	<b>4826</b>	<b>2867</b>
Nagaland	5137(e)	1300(e)	-	-	-	-	<b>15063</b>	<b>5052</b>
Orissa	139973	-	20372	-	-	-	<b>66265</b>	<b>38095</b>
Punjab	-	-	-	-	-	-	<b>46476</b>	<b>46476</b>
Rajasthan	-	-	44287(d)	8159(d)	-	-	<b>77880</b>	<b>69410</b>
Sikkim	-	-	-	-	-	-	<b>1918</b>	<b>1509</b>
Tamil Nadu	55127	26333	32037	25114	-	-	<b>117713</b>	<b>110781</b>
Tripura	8635	-	-	-	-	-	<b>6105</b>	<b>4195</b>
Uttar Pradesh	31993(a)	5853(a)	-	-	-	-	<b>127944</b>	<b>111480</b>
Uttranchal	-	-	-	-	-	-	<b>16701</b>	<b>10202</b>
West Bengal	-	-	-	-	-	-	<b>18049</b>	<b>17785</b>
-								
<b>Union Territory:</b>								
A. & N. Islands	-	-	-	-	-	-	<b>1172</b>	<b>1172</b>
Chandigarh	-	-	-	-	-	-	<b>432</b>	<b>432</b>
D. & N. Haveli	-	-	-	-	-	-	<b>580</b>	<b>580</b>
Daman and Diu(l	-	-	31	31	-	-	<b>287</b>	<b>208</b>
Delhi	-	-	-	-	-	-	<b>390</b>	<b>390</b>
Lakshadweep	-	-	-	-	-	-	<b>149</b>	<b>149</b>
Pondicherry	-	-	1166	800	-	-	<b>1761</b>	<b>1395</b>

**Source: Transport Research Wing, Ministry of Road Transport and Highways**

(a) As on 31st March 1997. (b) As on 31st March 1993. (c) As on 31st March 1995.

(d) As on 31st March 1996. (e) As on 31st March 1999

\* Information supplied by Kashmir Division only.

## ROADS

**Table 19.3-LENGTH OF URBAN ROADS BY AUTHORITIES**  
(as on 31st March)

Year/State/ Union Territory	Municipal Roads		Railways Roads		Ports Roads		Military Engineering Service Roads		Total Urban Roads	
	Total	Surfaced	Total	Surfaced	Total	Surfaced	Total	Surfaced	Total	Surfaced
	2	3	4	5	6	7	8	9	10	11
1991	168169	119710	7627	6023	643	620	10360	10291	<b>186799</b>	<b>136644</b>
1994	180891	127887	10033	8248	685	657	10404	10256	<b>202013</b>	<b>147048</b>
1995	182937	129001	10074	8288	708	677	10858	10706	<b>204577</b>	<b>148672</b>
1996	190240	135451	10161	8362	737	712	11782	11599	<b>212920</b>	<b>156124</b>
1997	208541	154711	10258	8422	1047	1021	11727	11644	<b>231573</b>	<b>175798</b>
1998	212635	157458	10282	8464	1217	1192	11921	11763	<b>236055</b>	<b>178877</b>
1999	214475	159169	10282	8464	1226	1200	11883	11725	<b>237866</b>	<b>180558</b>
2000	224983	166936	10322	8505	1050	984	11941	11806	<b>248296</b>	<b>188231</b>
2001(P)	228607	170437	10319	8504	1058	986	11905	11770	<b>252001</b>	<b>191797</b>
2002(P)	226706	168719	10325	8510	1173	1090	11918	11783	<b>250122</b>	<b>190102</b>
<b>2002(P)</b>										
<b>State:</b>										
Andhra Pradesh	11461	8754	1392	1345	93	92	573(f)	573(f)	<b>13519</b>	<b>10764</b>
Arunachal Pradesh	-	-	2	2	-	-	34	34	<b>36</b>	<b>36</b>
Assam	2682	832	485	453	-	-	737(f)	737(f)	<b>3904</b>	<b>2022</b>
Bihar	3731(b)	1820(b)	1121	809	-	-	253(f)	253(f)	<b>5105</b>	<b>2882</b>
Chhattisgrah	-	-	-	-	-	-	-	-	-	-
Goa	498	418	3	3	23	23	..	..	<b>524</b>	<b>444</b>
Gujarat	13573	10407	431	314	166	160	576	574	<b>14746</b>	<b>11455</b>
Haryana	4006	2807	135	113	-	-	467(f)	467(f)	<b>4608</b>	<b>3387</b>
Himachal Pradesh	1151	876	12	12	-	-	476(f)	463(f)	<b>1639</b>	<b>1351</b>
Jammu & Kashmir*	441(e)	441(e)	53	53	-	-	681(f)	653(f)	<b>1175\$</b>	<b>1147\$</b>
Jharkhand	-	-	-	-	-	-	-	-	-	-
Karnataka	8366(e)	6687(e)	194	170	199	154	307(f)	304(f)	<b>9066</b>	<b>7315</b>
Kerala	13256	9880	104@	98@	35	34	114	114	<b>13509</b>	<b>10126</b>
Madhya Pradesh	13087	8955	1164	846	-	-	666(f)	666(f)	<b>14917</b>	<b>10467</b>
Maharashtra	17868(c)	12797©	801	645	190(f)	190(f)	1073(f)	1062(f)	<b>19932</b>	<b>14694</b>
Manipur	122(f)	68(f)	-	-	-	-	13	13	<b>135</b>	<b>81</b>
Meghalaya	30	26	-	-	-	-	76	76	<b>106</b>	<b>102</b>
Mizoram	-	-	-	-	-	-	10	10	<b>10</b>	<b>10</b>
Nagaland	-	-	12	10	-	-	84	84	<b>96</b>	<b>94</b>
Orissa	16155	9053	481	308	107(f)	102(f)	43(f)	43(f)	<b>16786</b>	<b>9506</b>
Punjab	6399(d)	3705(d)	278	218	-	-	1476(f)	1473(f)	<b>8153</b>	<b>5396</b>
Rajasthan	5167(a)	2971(a)	518@	451@	-	-	586	565	<b>6271</b>	<b>3987</b>
Sikkim	-	-	-	-	-	-	36(f)	36(f)	<b>36</b>	<b>36</b>
Tamil Nadu	11426	10343	448@	400@	100	100	326(f)	292(f)	<b>12300</b>	<b>11135</b>
Tripura	194(c)	157(c)	13	9	-	-	21	21	<b>228</b>	<b>187</b>
Uttar Pradesh	48014(e)	38614(e)	1234	970	-	-	1473	1473	<b>50721</b>	<b>41057</b>
Uttranchal	-	-	-	-	-	-	-	-	-	-
West Bengal	22453	15012	1241	1081	148	134	941	921	<b>24783</b>	<b>17148</b>
<b>Union Territory:</b>										
A. & N. Islands	-	-	-	-	-	-	-	-	<b>8</b>	<b>8</b>
Chandigarh	1489	1489	5	5	-	-	119(f)	119(f)	<b>1613</b>	<b>1613</b>
D. & N. Haveli	-	-	-	-	-	-	-	-	-	-
Daman and Diu	25	25	-	-	-	-	-	-	<b>127</b>	<b>127</b>
Delhi	24441(e)	21933(e)	198	195	-	-	756(f)	756(f)	<b>25395</b>	<b>22884</b>
Lakshadweep	-	-	-	-	-	-	1(f)	1(f)	<b>1</b>	<b>1</b>
Pondicherry	671	649	-	-	-	-	-	-	<b>673</b>	<b>651</b>

Source: Transport Research Wing, Ministry of Road Transport and Highways.

(a) As on 31st March, 1980

(b) As on 31st March, 1984

(c) As on 31st March, 1989

(d) As on 31st March, 1992 .

(e) As on 31st March, 1997.

(f) As on 31st March, 1999.

\* Jammu Province only.

@ The data of Railway Zones other than Kerala, Rajasthan & Tamil Nadu pertain to 1999 due to non receipt of information.

## ROADS

**Table 19.4-LENGTH OF PROJECT ROADS BY AUTHORITIES**  
(as on 31st March) (kilometre)

Year/State/ Union Territory	Forest Department		Irrigation Department		Electricity Department		Steel Authority	
	Total Surfaced		Total Surfaced		Total Surfaced		Total Surfaced	
1	2	3	4	5	6	7	8	9
1991	127385	5581	64366	13177	2997	2556	2210	1837
1994	130118	5684	70975	17760	3248	2801	2265	2017
1995	130540	5884	70975	17760	3417	2973	2276	2030
1996	140258	8294	70975	17760	3417	2973	2412	2160
1997	143322	8966	73534	18903	4423	3836	2438	2199
1998	161954	9662	73803	19145	4583	3978	2437	2198
1999	162508	9666	74017	19051	4657	4049	2446	2206
2000	119701	13317	61247	21382	4349	3960	2454	2212
2001(P)	129205	13456	61475	21637	4356	3961	2461	2225
2002(P)	130346	13916	61627	19496	4369	3984	2470	2249
<b>2002(P)</b>								
<b>State:</b>								
Andhra Pradesh	7032	2861	783(b)	436(b)	144(a)	140(a)	-	-
Arunachal Pradesh	1111	41	-	-	-	-	-	-
Assam	6076	270	780	21	190	144	-	-
Bihar	1690	-	-	-	430	430	-	-
Chhattisgrah	-	-	-	-	35	35	268	222
Goa	117	54	-	-	-	-	-	-
Gujarat	1474	709	3525(b)	1528(b)	238(a)	222(a)	-	-
Haryana	459	16	-	-	117	114	-	-
Himachal Pradesh	1713	22	-	-	63	39	-	-
Jammu & Kashmi	10017	68	315©	122©	-	-	-	-
Jharkhand	8604	14	-	-	149	146	555	502
Karnataka	2582(b)	505(b)	9731	6250	241	160	121	118
Kerala	4132	782	2307	1141	128	127	-	-
Madhya Pradesh	26955	2554	2159	797	569	543	535	473
Maharashtra	10363	2293	2056 (f)	1265 (f)	-	-	7	6
Manipur	417(d)	-	-	-	-	-	-	-
Meghalaya	1081	4	143	4	70©	67©	-	-
Mizoram	239	-	-	-	-	-	-	-
Nagaland	725	5	-	-	-	-	-	-
Orissa	7267	370	6277(b)	3847(b)	64	61	402	366
Punjab	701	-	5740	455	460	420	-	-
Rajasthan	2925(d)	-	899	688	212	212	8	-
Sikkim	65©	1©	-	-	-	-	-	-
Tamil Nadu	3476	1438	1472(a)	308(a)	671	594	88	88
Tripura	1328	11	-	-	-	-	-	-
Uttar Pradesh	8606	955	24169(b)	2294(b)	240	212	-	-
Uttranchal	16846(e)	528(e)	-	-	-	-	-	-
West Bengal	4345(a)	415(a)	1271(a)	340(a)	348	318	486	474
<b>Union Territory:</b>								
A. & N. Islands	-	-	-	-	-	-	-	-
Chandigarh	-	-	-	-	-	-	-	-
D. & N. Haveli	-	-	-	-	-	-	-	-
Daman and Diu	-	-	-	-	-	-	-	-
Delhi	-	-	-	-	-	-	-	-
Lakshadweep	-	-	-	-	-	-	-	-
Pondicherry	-	-	-	-	-	-	-	-

(a) As on 31st March, 1999 (b) As on 31st March, 1997 (c) As on 31st March, 1996

(d) As on 31st March, 1990 (e) As on 31st March, 2000 (f) As on 31st March, 1978.

## ROADS

Table 19.4-LENGTH OF PROJECT ROADS BY AUTHORITIES-Concl'd.  
(as on 31st March)

(kilometre)

Year/State/ Union Territory	Coal Mines Authority		Sugarcane Deve- lopment authority		Total Project Roads	
	Total	Surfaced	Total	Surfaced	Total	Surfaced
1	10	11	12	13	14	15
1991	2338	1911	10441	5306	209737	30368
1994	3085	2823	14915	8650	224606	39735
1995	3320	3058	14953	8688	225481	40393
1996	3444	3155	25256	9375	245673	45091
1997	3876	3444	22287	11608	249880	48956
1998	3909	3478	22741	12062	269427	50523
1999	3923	3493	22972	12293	270523	50758
2000	2955	2797	23121	12373	213827	56041
2001(P)	2928	2771	23240	12491	223665	56541
2002(P)	2985	2819	23319	12570	225116	55034
<b>2002</b>						
<b>State:</b>						
Andhra Pradesh	984	874	-	-	8943	4311
Arunachal Pradesh	-	-	-	-	1111	41
Assam	65	43	-	-	7111	478
Bihar	289(a)	289(a)	-	-	2409	719
Chhattisgrah	765	765	-	-		
Goa	-	-	-	-	117	54
Gujarat	-	-	-	-	5237	2459
Haryana	-	-	-	-	576	130
Himachal Pradesh	-	-	-	-	1776	61
Jammu & Kashmir	-	-	-	-	10332	190
Jharkhand	-	-	-	-		
Karnataka	-	-	4249(b)	3121(b)	16924	10154
Kerala	-	-	-	-	6567	2050
Madhya Pradesh	620*	586*	-	-	30838	4953
Maharashtra	-	-	12578©	3029©	25004	6593
Manipur	-	-	-	-	417	...
Meghalaya	-	-	-	-	1294	75
Mizoram	-	-	-	-	239	...
Nagaland	-	-	-	-	725	5
Orissa	-	-	-	-	14010	4644
Punjab	-	-	-	-	6901	875
Rajasthan	-	-	-	-	4044	900
Sikkim	-	-	-	-	65	1
Tamil Nadu	-	-	1547	1543	7254	3971
Tripura	-	-	-	-	1328	11
Uttar Pradesh	-	-	4808	4808	37823	8269
Uttranchal	-	-	-	-		
West Bengal	262	262	-	-	6712	1809
<b>Union Territory:</b>						
A. & N. Islands	-	-	-	-	-	-
Chandigarh	-	-	-	-	-	-
D. & N. Haveli	-	-	-	-	-	-
Daman and Diu	-	-	-	-	-	-
Delhi	-	-	-	-	-	-
Lakshadweep	-	-	-	-	-	-
Pondicherry	-	-	137	69	137	69

Source: Transport Research Wing, Ministry of Road Transport and Highways

(a) Eastern coalfield Ltd. (ECL) and Central Coalfield Ltd. (CCL) roads are shown in Jharkhand State .

(b) As on 31st March, 1999.

(c) As on 31st March, 1997.

\* Figures of western coalfield Ltd. Is not available separately for M. P. &Maharastra.

## ROADS

Table 19.5-LENGTH OF NATIONAL AND STATE HIGHWAYS-BY WIDTH

Year/State	(as on 31st March)									
	Surfaced Length of National Highways					Surfaced Length of State Highways				
	Below standard single lane	Standard single lane	Standard double lane	Standard multi lane	Total	Below standard single lane	Standard single lane	Standard double lane	Standard multi lane	Total
1	2	3	4	5	6	7	8	9	10	11
1991	1691	8925	21856	927	<b>33399</b>	33131	69944	20666	1106	<b>124847</b>
1994	1777	6670	23813	1773	<b>34033</b>	22375	53498	21210	1506	<b>129974</b>
1995	1731	6396	24072	1847	<b>34046</b>	22798	53825	21935	1563	<b>131506</b>
1996	3458	3917	25745	1171	<b>34291</b>	47635	56214	28265	748	<b>132862</b>
1997	2249	5833	23104	1409	<b>34637</b>	24851	41848	19413	1895	<b>134802</b>
1998	2308	4715	29753	1576	<b>38354</b>	22063	47618	23578	1927	<b>134304</b>
1999	2589	6040	28767	3691	<b>41087</b>	21692	47325	24841	1934	<b>135679</b>
2000	-	18789	31748	1473	<b>52010</b>	18843	70116	28761	1638	<b>130587</b>
2001(P)	-	22444	33969	1266	<b>57679</b>	22869	66000	29320	1585	<b>129862</b>
2002(P)	-	19190	36510	2306	<b>58006</b>	21115	68604	32237	2020	<b>135546</b>
<b>2002</b>										
<b>State:</b>										
Andhra Pradesh	-	348	3617	73	<b>4038</b>	2297	866	4880	-	<b>8043</b>
Arunachal Pradesh	-	381	-	-	<b>381</b>	-	-	-	-	-
Assam	-	848	1988	-	<b>2836</b>	-	1533(b)	-	-	<b>1533</b>
Bihar	-	2196	1291	15	<b>3502</b>	2177©	1320©	435©	160©	<b>4092</b>
Chattisgarh	-	891	877	6	<b>1774</b>	2410	862	235	16	<b>3523</b>
Goa	-	121	148	-	<b>269</b>	-	146	80	-	<b>226</b>
Gujarat	-	-	1954	507	<b>2461</b>	1281	9948	6968	605	<b>18802</b>
Haryana	-	555	456	350	<b>1361</b>	121	1445	831	64	<b>2461</b>
Himachal Pradesh	-	825	363	-	<b>1188</b>	1476(d)	694(d)	1300(d)	-	<b>3470</b>
Jammu & Kashmir	-	97	726	-	<b>823</b>	-	529(a)	-	-	<b>529</b>
Jharkhand	-	829	541	43	<b>1413</b>	-	-	-	-	-
Karnataka	-	1617	1842	111	<b>3570</b>	-	8875	948	-	<b>9823</b>
Kerala	-	516	890	34	<b>1440</b>	-	-	-	-	<b>3584\$</b>
Madhya Pradesh	-	1396	3217	51	<b>4664</b>	-	-	-	-	<b>7986\$</b>
Maharashtra	-	314	3092	220	<b>3626</b>	3428	24212	4753	712	<b>33105</b>
Manipur	-	734	211	9	<b>954</b>	48(e)	812(e)	79(e)	13(e)	<b>952</b>
Meghalaya	-	428	289	-	<b>717</b>	16	707	24	-	<b>747</b>
Mizoram	-	894	-	-	<b>894</b>	-	144	-	-	<b>144</b>
Nagaland	-	268	101	-	<b>369</b>	-	398©	-	-	<b>398</b>
Orissa	-	1603	1665	33	<b>3301</b>	311(e)	3329(e)	398(e)	-	<b>4038</b>
Punjab	-	-	1389	164	<b>1553</b>	80©	480©	1581©	25©	<b>2166</b>
Rajasthan	-	1654	2632	249	<b>4535</b>	1591	5223	1700	-	<b>8514</b>
Sikkim	-	62	-	-	<b>62</b>	-	186	-	-	<b>186</b>
Tamil Nadu	-	367	3292	99	<b>3758</b>	-	2724	4234	220	<b>7178</b>
Tripura©	-	400	-	-	<b>400</b>	136©	-	-	-	<b>136</b>
Uttar Pradesh	-	581	4189	172	<b>4942</b>	3713	1891	3404	90	<b>9098</b>
Uttaranchal	-	760	315	-	<b>1075</b>	626	299	184	1	<b>1110</b>
West Bengal	-	505	1361	85	<b>1951</b>	1404	1938	169	22	<b>3533</b>
<b>Union Territory:</b>										
A. & N. Islands	-	-	-	-	-	-	-	-	-	-
Chandigarh	-	-	11	13	<b>24</b>	-	-	3	89	<b>92</b>
D. & N. Haveli	-	-	-	-	-	-	34	8	-	<b>42</b>
Daman and Diu	-	-	-	-	-	-	-	-	-	-
Delhi	-	-	-	72	<b>72</b>	-	-	-	-	-
Lakshadweep	-	-	-	-	-	-	-	-	-	-
Pondicherry	-	-	53	-	<b>53</b>	-	9	23	3	<b>35</b>

Source: Transport Research Wing, Ministry of Road Transport and Highways

(a) As on 31st March 1986.

(b) As on 31st March 1995.

(c) As on 31st March 1996.

(d) As on 31st March 1998.

(e) As on 31st March 1999.

Note; SSL includes BSSL



## ROADS

**TABLE 19.6-GROWTH OF NATIONAL HIGHWAYS IN INDIA AND CENTRAL GOVERNMENT  
EXPENDITURE INCURRED THERE-ON**

Year/State/U.T./ Authority	Length of National highways (km.) (as on 31st March)	Expenditure on National highways (Rs.Million)	
		Development	Maintenance
1	2	3	4
1990-91	33650	3901	1692
1993-94	34249	4864	2071
1994-95	34262	6303	2469
1995-96	34508	6043	2844
1996-97	34849	6239	3713
1997-98	38517	12415	4975
1998-99	49585	13130	5498
1999-00	52010	9725	6339
2000-01	57737	12110	6349
2001-02	58112	16114	6774
2002-03	58112	14252	6201
<b>2002-03</b>			
<b>State:</b>			
Andhra Pradesh	4038	1088	327
Arunachal Pradesh	392	-	-
Assam	2836	729	246
Bihar	3502	583	222
Chhattisgarh	1774	624	228
Goa	269	111	40
Gujarat	2461	753	104
Haryana	1361	536	88
Himachal Pradesh	1188	215	108
Jammu & Kashmir	823	40	8
Jharkhand	1413	268	154
Karnataka	3570	904	451
Kerala	1440	700	291
Madhya Pradesh	4664	827	394
Maharashtra	3626	1120	472
Manipur	954	140	54
Meghalaya	717	162	51
Mizoram	927	201	58
Nagaland	369	120	18
Orissa	3301	434	387
Punjab	1553	449	94
Rajasthan	4597	912	297
Sikkim	62	-	-
Tamil Nadu	3758	974	380
Tripura	400	-	-
Uttar Pradesh	4942	1200	297
Uttaranchal	1075	195	43
West Bengal	1951	806	198
<b>Union Territory</b>			
A. & N. Islands	-	-	-
Chandigarh	24	23	2
D. & N. Haveli	-	-	-
Daman and Diu	-	-	-
Delhi	72	40	-
Lakshadweep	-	-	-
Pondicherry	53	19	6
Ministry/BRDB/NHAI/Other Instt.	-	59	1184

Source: Transport Reserch Wingh, Ministry of Road Transport & Highways.

TABLE NUMBER 19.2 (C)

## TOTAL AND SURFACED LENGTH OF HIGHWAYS

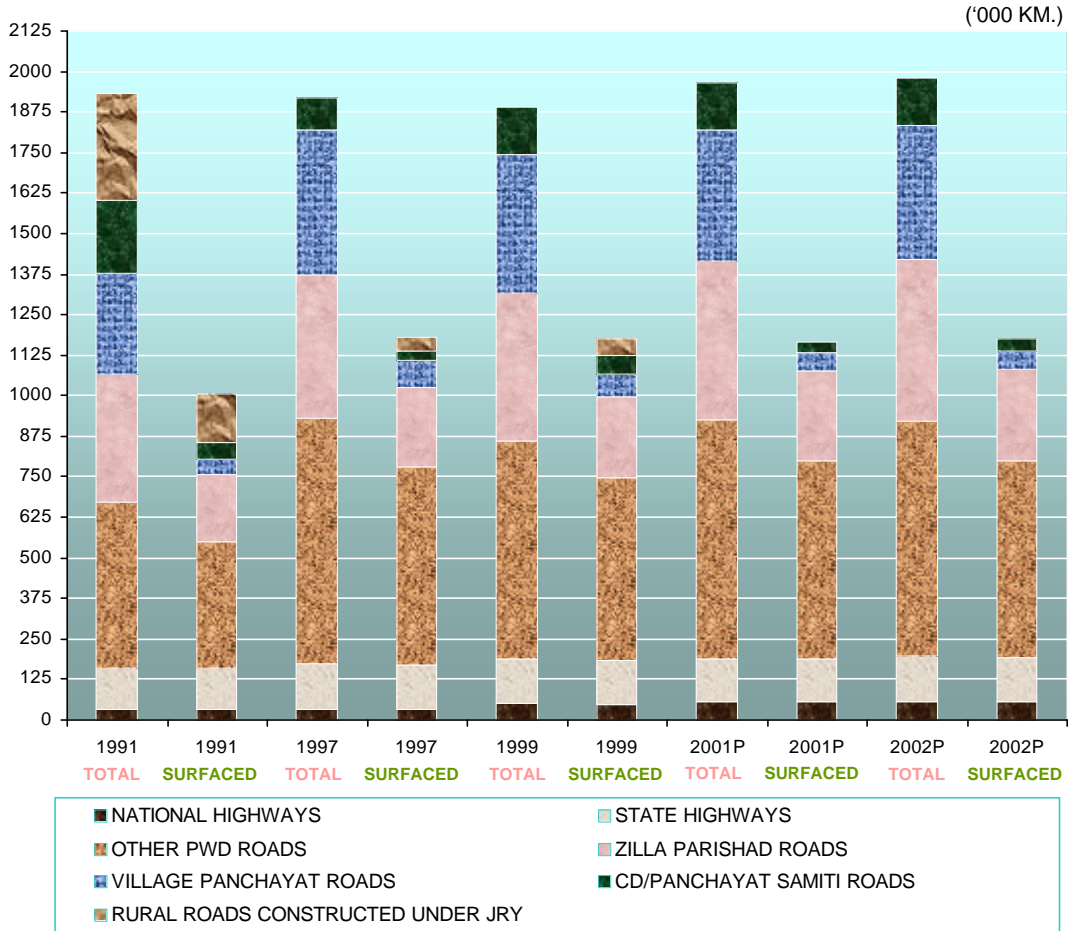


TABLE NUMBER 19.6 (C)

## GROWTH OF NATIONAL HIGHWAYS AND CENTRAL GOVT. EXPENDITURE

