

Road Transport and Accident Statistics

- Year 1991 -

1.1 Vehicles registered as at end of 1991

As at December 1991, the fleet of vehicles registered at the National Transport Authority (N.T.A.) comprised some 140,200 vehicles, of which nearly half were two-wheelers (53,834 auto cycles and 14,740 motor cycles). Passenger cars numbered 50,016 representing 36% and the remaining 15% were made up mainly of lorries (7,200), vans (7,600) and buses (2,000).

1.2 Net addition during 1991

During the year 1991, the fleet was renewed with the addition of around 16,700 vehicles which represents an increase of 13.5% over 1990. In fact, some 20,000 vehicles were registered of which 3,400 were second hand vehicles; but, as 3,200 were put off the road during the same period, the net addition works out to 16,700. This figure is slightly higher than the net addition of 16,000 in 1990. Over the last five years, the fleet of vehicles has been increasing on average by around 13% yearly.

1.3 Passenger cars

In 1991, the total number of passenger cars inclusive of dual purpose vehicles increased by 3,200 or 7% to 50,016. On average, every month, some 370 cars were registered and 120, put off the road. The ratio of the number of passenger cars per 1,000 persons works out to 48 against to 45 in 1990.

Table 1.2 on the age-distribution of passenger cars shows that nearly half of the fleet on the road was under 10 years - a result of the continued renewal of the fleet over the last five years.

2.1 Road accidents

During the year 1991, 13,300 accidents were reported to the police against 10,300 in 1990, representing a substantial increase of 3,000 or 29% over the previous year. The accident rate (the number of accidents per thousand registered motor vehicles) consequently went up to a high 95 from 90 in 1990. It is recalled that this ratio was 61 in 1983. The number of accidents per 100,000 population also shot up to 1,272 from 995 a year ago.

2.2 Casualties

The number of casualties went up by 9% to 3,879, of which, 163 were fatal, 274 sustained serious injuries and 3,442 were slightly injured.

The number of persons killed in accidents keeps on increasing every year, with 109 in 1986, 144 in 1990 and 163 in 1991. The fatality rate, that is, the ratio per 100,000 population, rose to 15 from 14 in 1990 and 11 in 1986.

The most vulnerable class of road users were riders of motor and autocycles which accounted for the highest proportion or one third of all casualties, followed by pedestrians 28%. Casualties among pedestrians dropped by 5%. The injury rate, the number of injuries per 100,000 population went up to 354 in 1991 from 331 in 1990.

2.3 Motor vehicles involved

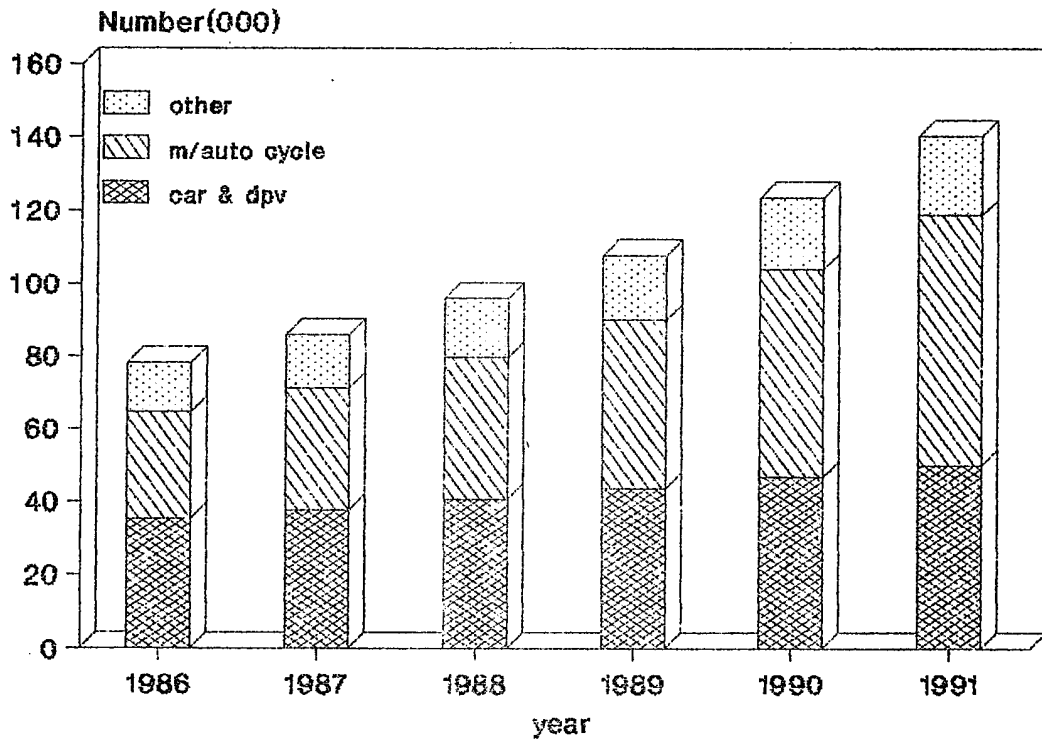
The total number of motor vehicles involved in accidents increased by 5,000 or 29% to 22,600 from 17,600 in 1990. Table 2.3 on motor vehicles involved, by type, shows that nearly half of the vehicles involved comprised private cars and taxis followed by motorised two wheelers, 20%. A considerable rise has been observed in two wheelers involved in accidents; the number went up by 50%, passenger cars also rose by 29%.

The ratio of motor vehicles involved in accidents per 1,000 motor vehicles which stood at 153 in 1990 and 152 in 1989 jumped to 161 in 1991.

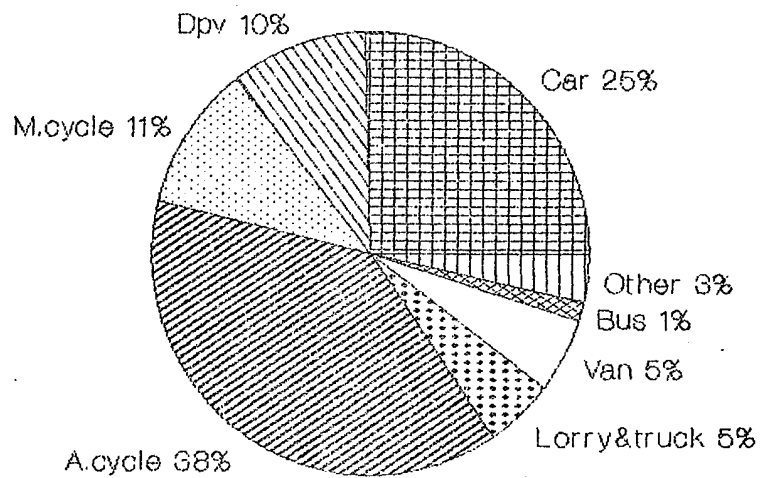
Central Statistical Office,
Ministry of Economic Planning and Development,
PORT LOUIS.

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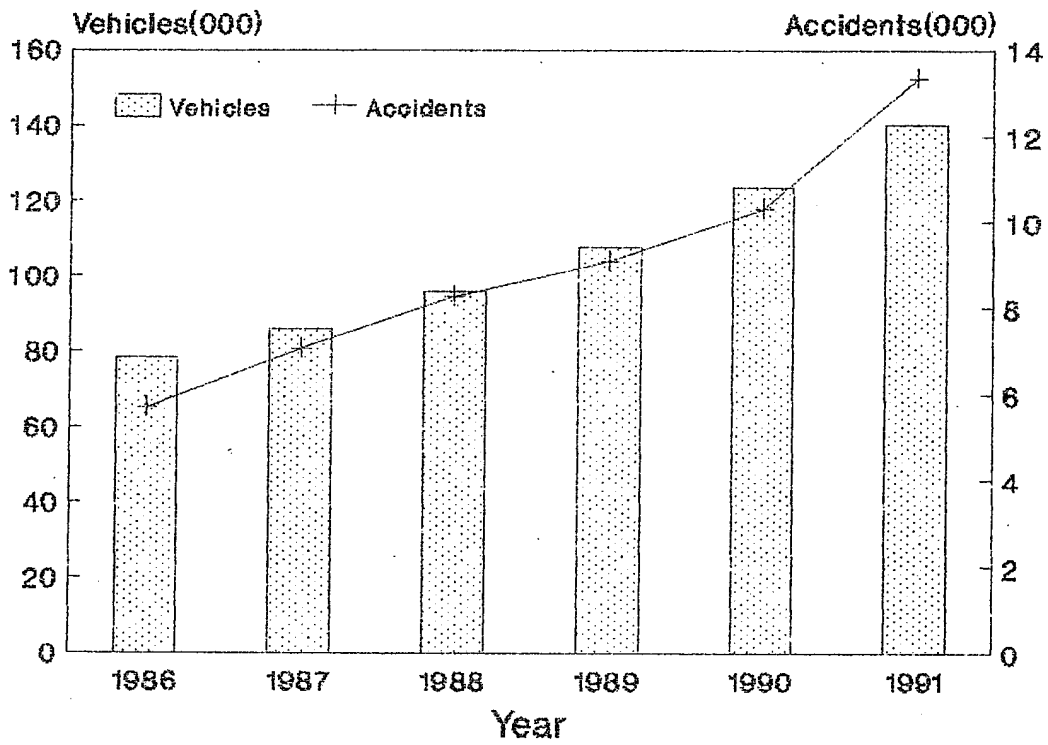
**Fig.1.1 - Registration of vehicles
(1986-1991)**



**Fig.2 - Number of vehicles by type
(as at Dec.1991)**



**Fig1.3- Fleet evolution & road accidents
(1986-1991)**



**Fig1.4-Casualties by class of road users
(1991)**

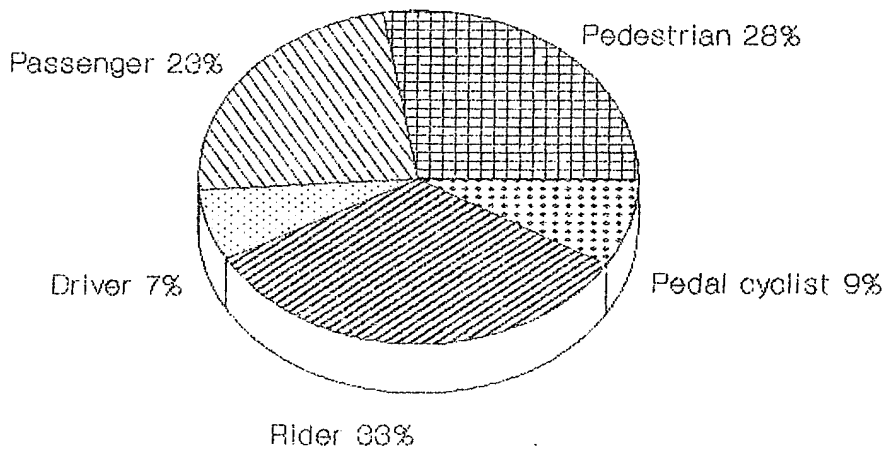


Table 1.1 - Registration of vehicles 1/1991

Type of vehicle	Number						
	Vehicles on register as at 31.12.90	New	Second hand ^{2/}	Vehicles off the road ^{3/}	Vehicles on register as at 31.12.91	Change 1991/1990	
Car	33,916	1,642	1,200	1,085	35,673	+1,757	
Dual purpose vehicle	12,877	1,000	608	142	14,343	+1,466	
Motor cycle	11,932	2,933	244	369	14,740	+2,808	
Auto cycle	45,162	9,380	479	1,187	53,834	+8,672	
Lorry and truck	6,564	401	411	150	7,226	+662	
Van	6,637	730	351	116	7,602	+965	
Bus	1,929	145	6	59	2,021	+92	
Other	4,528	332	51	96	4,815	+287	
Total	123,545	16,563	3,350	3,204	140,254	+16,709	

1/ including trailers but excluding pedal cycles

2/ refers to imported second-hand vehicles as well as to the registration of vehicles previously put off the road.

3/ a vehicle may be withdrawn from the register of vehicles (off the road) either temporarily or permanently. Any such vehicle (except a government's vehicle) must re-register with the National Transport Authority before it is put on the road again.

Table 1.2 - Age distribution of cars and dual purpose vehicles^{1/}, 1990 - 1991

Age-group (years)	Number of cars and dual purpose vehicles			
	as at 31st December 1990		as at 31st December 1991	
	Number	%	Number	%
Less than 5	14,988	32	17,404	35
5 less than 10	6,595	14	7,222	14
10 less than 15	7,406	16	5,801	12
15 and over	17,804	38	19,589	39
Total	46,793	100	50,016	100

^{1/} dual purpose vehicle: essentially a car but so designed as to be capable of carrying a certain load of goods,
e.g. all hatchback cars

Table 1.3 - Age composition of operational bus fleet (public transport) ^{1/} as at 31st December, 1990 - 1991

Age-group (years)	as at 31st December 1990		as at 31st December 1991	
	Number	%	Number	%
Less than 5	710	43	615	47
5 less than 10	271	16	156	9
10 less than 15	493	30	567	32
15 less than 20	189	11	202	12
T o t a l	1,663	100	1,740	100

^{1/} refers only to buses with a Road Service Licence, i.e., buses which operate on proclaimed routes and charge individual fares

Table 2.1 - Road traffic accidents^{1/}, motor-vehicles involved and casualties
1990 - 1991

	<u>Number</u>		
	<u>1990</u>	<u>1991</u>	<u>Increase</u>
<u>A. Road traffic accidents</u>			
Number of accidents	10,316	13,343	+3,027
Accident rate:			
per 1,000 population	995	1,272	
per 1,000 registered motor-vehicles	90	95	
<u>B. Motor-vehicles involved</u>			
Number of vehicles involved	17,562	22,621	+5,059
Number per 1,000 registered motor-vehicles	153	161	
<u>C. Casualties</u>			
Total number of casualties	3,575	3,879	+304
Fatal	(144)	(163)	(+19)
Seriously injured	(315)	(274)	(-41)
Slightly injured	(3,116)	(3,442)	(+336)

^{1/} exclude number of casualties involving bicycles only

Table 2.2 - Casualties by class of road users, 1990 - 1991

Class of road users	1990		1991	
	Casualties		Casualties	
	Number	%	Number	%
Pedestrian	1,125	32	1,074	28
Passenger	968	27	910	23
Rider	928	26	1,262	33
Pedal cyclist	293	8	337	9
Driver	261	7	276	7
All road users	3,575	100	3,879	100

Table 2.3 - Number of vehicles^{1/} involved in accidents by type of vehicle, 1990-1991

Type of vehicle	1990		1991	
	Vehicles involved		Vehicles involved	
	Number	%	Number	%
Private car	7,390	41	9,494	41
Motor/Auto cycle	2,944	16	4,510	19
Van	2,213	12	2,955	13
Bus	1,843	10	2,154	9
Taxi	1,675	9	1,826	8
Lorry	1,398	8	1,537	7
Pedal cycle	431	3	486	2
Other vehicles	117	1	187	1
All vehicles	18,011	100	23,149	100

^{1/} Only three main vehicles have been considered in accidents involving more than three vehicles.