

**MAURITIUS**

**Ministry of Economic Planning and Development**

**CENTRAL STATISTICAL OFFICE**

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**DIGEST OF  
ROAD TRANSPORT  
STATISTICS  
1991**

**June 1992**

**(Price Rs. 75.00)**

Digest of Road Transport Statistics - 1991

**FOREWORD**

This is the eighth issue of the Digest of Road Transport Statistics published by the Central Statistical Office.

This digest deals with all available statistics on road transport and road traffic accidents. It thus contains information on different types of vehicles, public bus operations and road traffic accidents.

Data on vehicles have been compiled from the register of the National Transport Authority (NTA), and those on road traffic accidents were collected from all police stations through a specially designed form.

The figures published are the latest available as at the end of May 1992. Some of the figures are therefore provisional and subject to revision in later issues. Figures in successive issues of the digest supersede those appearing in previous ones.

It is hoped that the data presented in this report will be of valuable help to the public in general and to planners and policy-makers in particular.

The co-operation and assistance of the National Transport Authority, the Traffic Management Unit of the Ministry of Works and the Police in the publication of this digest, are gratefully acknowledged here.

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July 1992

## N O T E S

### ABBREVIATIONS

The following abbreviations are used:

No. : Number

000 : Thousand

% : Percentage

Km : Kilometre

M/ton : Metric ton : 1,000 kilos

Rs : Rupees

c.i.f. : Cost, insurance and freight

### SYMBOLS

- Nil or negligible

... Not available

-.- Not applicable

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# 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 152 in 1990 and 152 in 1989 jumped to 161 in 1991.

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SUMMARY DATA FOR 1991

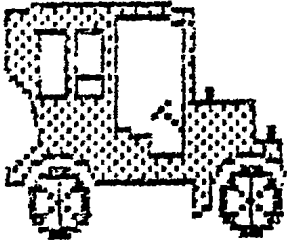
(Island of Mauritius)

A. GENERAL

1. Population	(Number)	1,035,807
2. Area	(sq kms)	1,865
3. Length of roads	(Kms)	1,831
4. Gross National Product (at factor cost)	(Rs million)	35,355

B. ROAD TRAFFIC STATISTICS

	<u>1990</u>	<u>1991</u>	<u>CHANGE</u>
	(Number)	(Number)	(%)
1. <u>Vehicles on register</u>	123,545	140,254	+13.5
(Of which two-wheelers)	(57,042)	(68,574)	+20.2
2. <u>Road Accidents</u>			
Fatal accidents	130	160	+23.1
Serious injury accidents	235	207	-11.9
Other injury accidents	2,167	2,655	+22.5
Non-injury accidents	7,784	10,417	+33.8
Tot Total recorded accidents	10,316	13,439	+30.3
Number of vehicles involved	17,562	22,835	+30.0
3. <u>Casualties (Total)</u>	3,575	4,025	+12.6
(Of which)			
Killed	144	168	+16.7
Seriously injured	315	296	- 6.0
Other injured	3,116	3,561	+14.3



# PART I

VEHICLE

STATISTICS

Part I - Vehicle Statistics

Definitions under Section 4 of Road Traffic Act of 1962 for different types of vehicles used in the report.

1. Heavy Motor Car

That is to say, mechanically propelled vehicles other than vehicles classified under this section as motor cars, which are constructed themselves to carry a load or passengers and whose unladen weight exceeds  $2\frac{1}{2}$  tons.

2. Dual-purpose Vehicle

Means a vehicle, constructed or adapted for the carriage both of passengers and of goods or burden of any description whose unladen weight does not exceed two tons and which either:-

- (a) is so constructed or adapted that the driving power of the engine is, or by the appropriate use of the controls of the vehicle can be, transmitted to all the wheels of the vehicle; or
- (b) satisfied the following conditions as to construction -
  - (i) the vehicle is permanently fitted with a rigid roof, with or without a sliding panel,
  - (ii) the area of the vehicle to the rear of the driver's seat is -
    - (A) permanently fitted with at least one row of transverse seats (fixed or folding) for 2 or more passengers and those seats are properly sprung or cushioned and provided with upholstered back-rests, attached either to the seats or to a side of the floor of the vehicle;
    - and (B) lit on each side and at the rear by a window or windows of glass or other transparent material having an area or aggregate area of not less than 2 square feet on each side and not less than 120 square inches on the rear;
  - (iii) the distance between the rearward part of the steering wheel and the backrests of the top of transverse seats satisfying the requirements specified in subparagraph (ii) (a) (i) (A) (B) where there is more than one row of seats, the distance between the rearward part of the steering wheel and the backrests of the rearward row is, when the seats are ready for use, not less than one-third of distance between the rearward part of the steering wheel and the rearward part of the floor of the vehicle.

3. Motor Cycles

That is to say, mechanically propelled vehicles, other than auto-cycles or vehicles classified under this section as invalid carriages, with not more than 4 wheels and whose unladen weight does not exceed 400 kilograms.

4. Auto-Cycles

That is to say, bicycles which have pedals and a motor attached which can be propelled by means of those pedals and by mechanical or electrical power from that motor and the swept volume of the cylinders of that motor does not exceed 50 cubic centimetres.

5. Motor Tractor

That is to say, mechanically propelled vehicles which are not constructed themselves to carry any load and whose unladen weight does not exceed  $7\frac{1}{4}$  tons.

6. Trailer

- (a) means a vehicle which has no independent motive power of its own and which is drawn or designed to be drawn, by a motor vehicle.
- (b) does not include a sidecar attached to a motor cycle, nor a farm implement that is not constructed or adapted for the conveyance of goods or burden of any description.

7. Weight Unladen

means the weight of a vehicle which:-

- (a) includes the body and all parts (the heavier being taken where alternative bodies or parts are used) which are necessary to or ordinarily used with the vehicle when working on a road;
- (b) excludes the weight of water, fuel or accumulators used for the purpose of the supply of power for the propulsion of vehicle or of loose tools and loose equipment.

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Table 1.1 - Road networks, 1987 - 1991

As at end of .....	Length of roads (Kms)				Total	Percentage of roads paved	Density of total network in kilometres per sq. km <sup>1/</sup>
	Motorways	Main roads	Secondary roads	Other roads			
1987	27	840	577	339	1,783	92	0.96
1988	29	856	577	339	1,801	93	0.97
1989	29	856	577	339	1,801	93	0.97
1990	29	856	577	339	1,801	93	0.97
1991	29	886	577	339	1,831	93	0.98

<sup>1/</sup> density of total network in kms per sq. km is the ratio of the total number of kms of roads to the area of Mauritius (1,865 sq. kms)

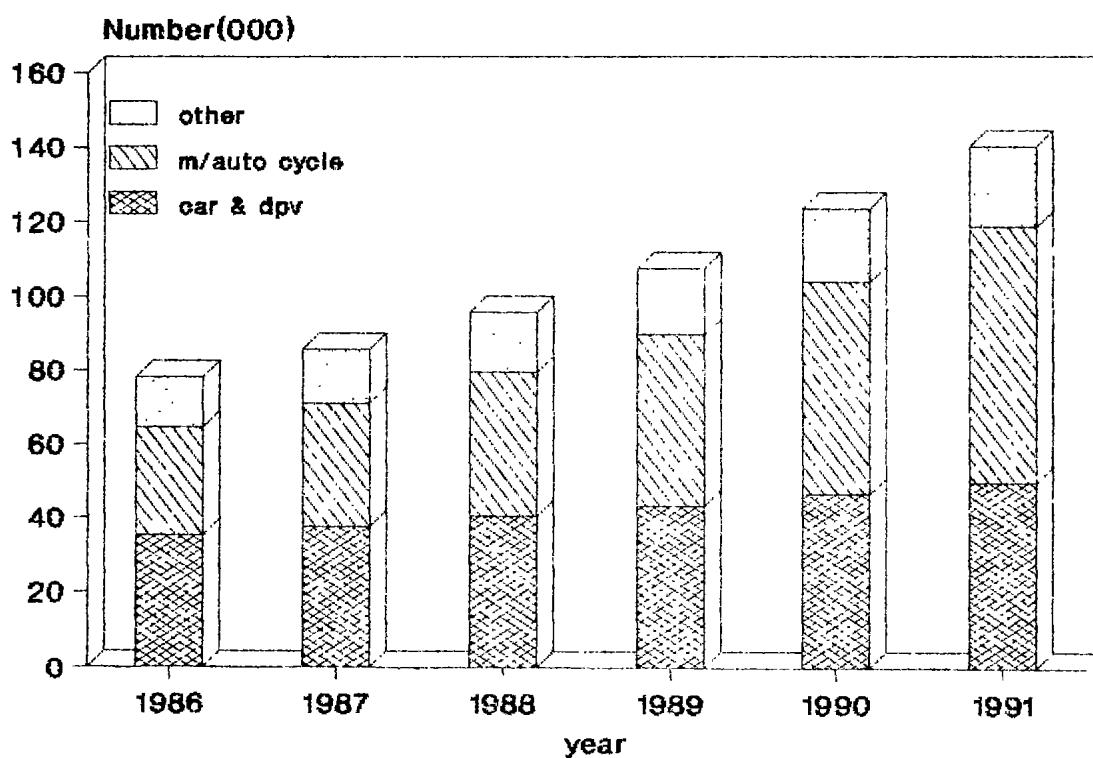
Table 1.2 - Registration of vehicles<sup>1/</sup> 1987 - 1991

Type of vehicle	As at end of .....				
	1987	1988	1989	1990	1991
Car	28,337	30,283	31,919	33,916	35,673
(of which Taxi Car)	(3,358)	(3,423)	(3,464)	(3,715)	(3,965)
Dual Purpose Vehicle	9,207	10,283	11,460	12,877	14,343
Heavy Motor Car	454	517	624	695	766
Motor Cycle	9,436	9,912	10,560	11,937	14,740
Auto Cycle	24,124	29,181	35,844	45,157	53,834
Lorry and Truck	5,057	5,534	5,906	6,564	7,226
Van	4,115	4,788	5,600	6,637	7,602
Bus	1,529	1,771	1,858	1,929	2,021
Tractor and Dumper	1,940	2,013	2,078	2,156	2,274
Prime Mover	145	164	182	185	197
Trailer	1,039	1,083	1,151	1,155	1,231
Tanker Lorry	28	28	28	29	30
Road Roller	87	101	98	94	96
Other <sup>2/</sup>	179	182	205	214	221
Total	85,677	95,340	107,513	123,545	140,254

1/ includes government vehicles

2/ includes inter alia, excavators and industrial tractors

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



**Fig.1.2 - Number of vehicles by type  
(as at Dec. 1991)**

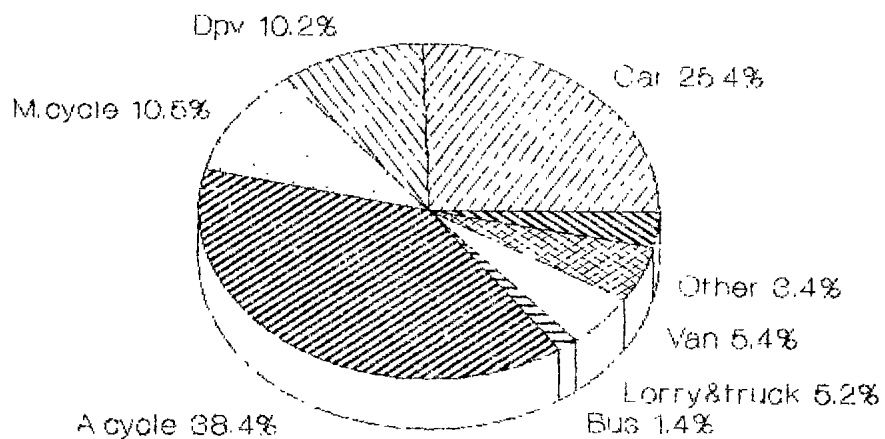


Table 1.3 - Registration of new vehicles<sup>1/</sup> during the year, 1987 - 1991

Type of vehicle	1987	1988	1989	1990	1991
Car	1,357	1,841	1,540	2,189	1,842
Dual Purpose Vehicle	304	784	896	1,051	1,500
Heavy Motor Car	25	64	106	67	76
Motor Cycle	236	395	509	1,384	2,933
Auto Cycle	3,917	5,482	6,940	10,044	9,380
Lorry and Truck	136	267	248	468	401
Van	437	559	656	826	730
Bus	203	262	154	106	145
Tractor and Dumper	66	110	81	104	130
Prime Mover	2	1	18	15	21
Trailer	68	62	75	59	97
Road Roller	-	11	2	-	2
Other <sup>2/</sup>	4	2	20	10	6
Total	7,255	9,840	11,245	16,323	16,563

<sup>1/</sup> includes government vehicles

<sup>2/</sup> includes, inter alia, tanker lorries, excavators and industrial tractors



Table 1.4 - Registration of second-hand vehicles<sup>1/</sup> during the year, 1987 - 1991

Type of vehicle	1987	1988	1989	1990	1991
Car	766	656	887	917	1,200
Dual Purpose Vehicle	437	376	377	460	608
Heavy Motor Car	6	4	8	10	4
Motor Cycle	303	307	396	273	244
Auto Cycle	358	357	575	383	479
Lorry and truck	204	238	229	372	411
Van	125	196	235	330	351
Bus	12	5	4	3	6
Tractor and Dumper	31	23	43	22	26
Prime Mover	13	22	3	6	4
Trailer	11	10	17	16	14
Road Roller	-	3	2	1	1
Other <sup>2/</sup>	-	1	4	1	2
Total	2,266	2,248	2,780	2,794	3,350

<sup>1/</sup> refers to imported second-hand vehicles as well as to the re-registration of vehicles previously put off the road.

excludes government vehicles which are not liable to re-registration

<sup>2/</sup> includes, inter alia, tanker lorries, excavators and industrial tractors

Table 1.5 - Age distribution of cars and dual purpose vehicles<sup>1/</sup>, 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

<sup>1/</sup> dual purpose vehicles: essentially a car but so designed as to be capable of carrying a certain load of goods, e.g. all hatchback cars.

Table 1.6 - Vehicles off the road<sup>1/</sup> during the year, 1987 - 1991

Type of vehicle	1987	1988	1989	1990	1991
Car	859	551	791	1,109	1,085
Dual Purpose Vehicle	155	84	96	94	142
Heavy Motor Car	-	5	7	6	9
Motor Cycle	500	226	257	280	369
Auto Cycle	510	782	852	1,114	1,187
Lorry and Truck	121	78	105	182	150
Van	83	82	79	119	116
Bus	40	25	71	38	59
Tractor and Dumper	20	60	59	43	70
Prime Mover	-	9	3	18	11
Trailer	37	23	24	71	35
Road Roller	4	-	7	5	1
Other <sup>2/</sup>	-	-	1	1	-
Total	2,973	1,925	2,352	3,085	3,200

1/ a vehicle may be withdrawn from the register of vehicles (off the road) either temporarily or permanently. Any such vehicle (except a government vehicle) must register with the N.T.A. before it is put on the road again

includes government vehicles which have been sold by auction.

2/ includes, inter alia, tanker lorries, excavators and industrial tractors

Table 1.7 - Age composition of operational bus fleet (public transport) as at 31st December, 1979 and 1981

Age-group (years)	as at 31st December 1980		as at 31st December 1981	
	Number	%	Number	%
Less than 5	703	45.6	804	51.1
5 less than 10	148	9.6	149	9.5
10 less than 15	517	33.6	470	29.9
15 less than 20	172	11.2	149	9.5
Total	1,540	100.0	1,572	100.0

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

**Fig.1.3 - Age composition of operational bus fleet  
As at 31st December**

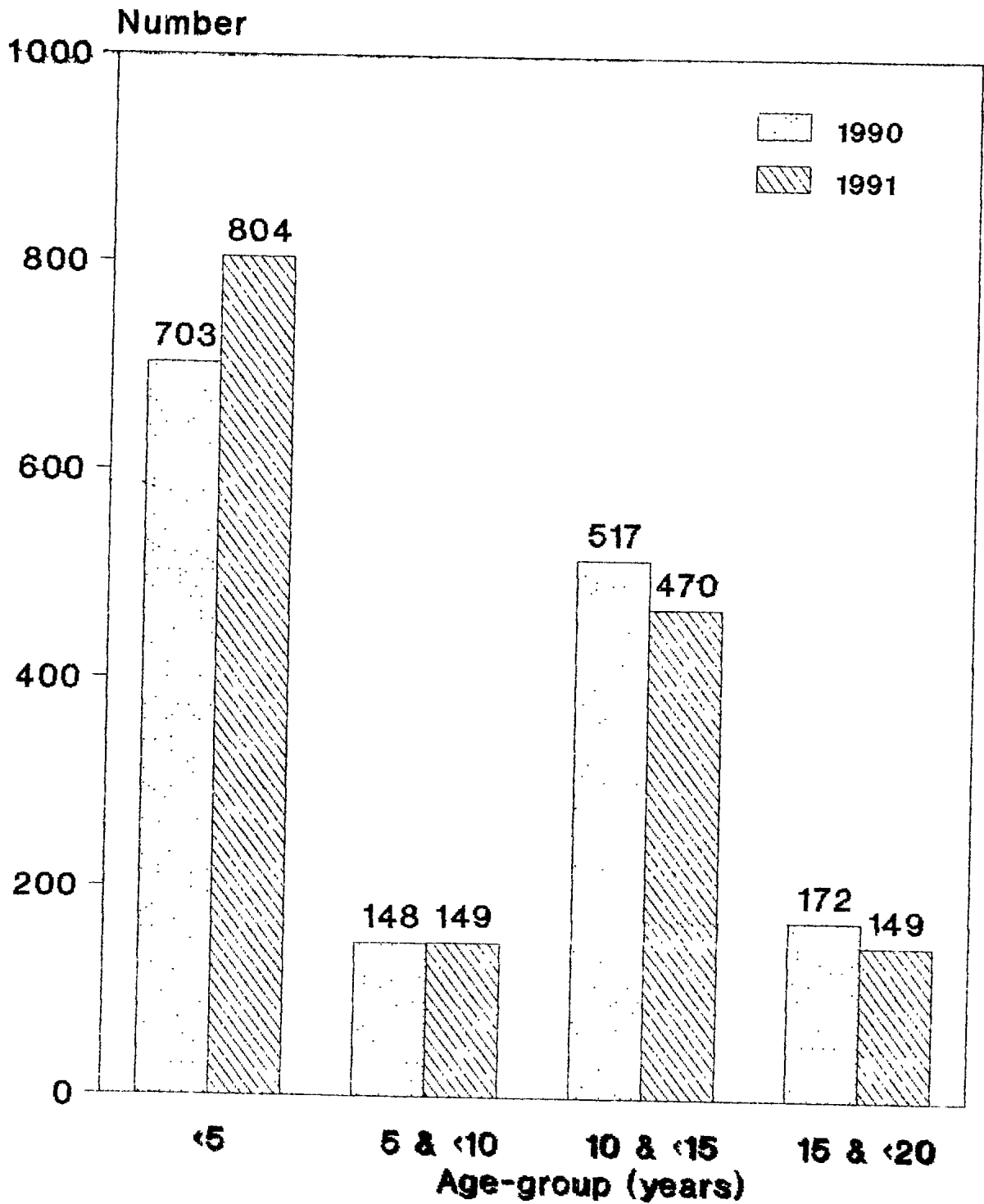


Table 1.6 - Bus operational statistics<sup>1/</sup>, 1987 - 1991

	Unit	1987	1988	1989	1990	1991
Operational bus fleet (as at 30th June)	Number	1,143	1,416	1,453	1,516	1,533
Total vehicle-journeys	Thousands	3,611	3,903	3,914	4,018	5,919
Average vehicle-journeys per day	"	9.9	10.7	10.7	11.0	10.7
Total vehicle - kilometres	"	62,368	67,468	68,408	69,369	70,118
Average vehicle - kilometres per day	"	171	185	187	190	192
Total gross receipts	Rs	364,000	430,000	504,000	577,000	672,900
Average gross receipt per day	Rs	997	1,176	1,361	1,570	1,844

<sup>1/</sup> refer only to buses with a Road Service Licence, i.e., buses which operate on proclaimed routes and charge individual fares. Including data on special trips.

Table 1.9 - Evolution of bus fares (adults)<sup>1/</sup>, 1980 - 1990

Stage \ Period <sup>2/</sup>	As at .....				
	16.7.80	21.12.81	20.8.84	1.8.88	15.9.90
1	0.50	0.75	1.00	1.50	2.00
2	0.75	1.00	1.00	1.50	2.00
3	1.00	1.25	1.50	2.00	3.00
4	1.25	1.50	1.50	2.00	3.00
5	1.50	1.75	2.00	2.50	4.00
6	1.50	2.00	2.00	2.50	4.00
7	1.75	2.25	2.50	3.00	5.00
8	1.75	2.50	2.50	3.00	5.00
9	2.00	2.75	3.00	3.50	6.00
10	2.00	2.75	3.00	3.50	6.00
11	2.25	3.00	3.00	4.00	6.00
12	2.25	3.00	3.00	4.00	6.00
13	2.50	3.25	3.50	4.50	7.00
14	2.50	3.50	3.50	4.50	7.00
15	2.75	3.75	4.00	5.00	7.00
16	2.75	3.75	4.00	5.00	7.00
17	3.00	4.00	4.00	5.50	7.00
18	3.00	4.00	4.00	5.50	7.00
19	3.25	4.00	4.00	5.50	7.00
20	3.25	4.00	4.00	5.50	7.00
21	3.50	4.25	4.50	6.00	8.00
22	3.50	4.25	4.50	6.00	8.00
23	3.75	4.50	4.50	6.00	8.00
24	3.75	4.50	4.50	6.00	8.00
25	3.75	4.50	4.50	6.00	8.00
26	4.00	4.75	5.00	6.50	8.00
27	4.00	4.75	5.00	6.50	8.00
28	4.00	4.75	5.00	6.50	8.00
29	4.00	4.75	5.00	6.50	8.00
30	4.00	4.75	5.00	6.50	8.00
31	4.25	5.00	5.00	7.00	9.00
32	4.25	5.00	5.00	7.00	9.00
33	4.25	5.00	5.00	7.00	9.00
34	4.25	5.00	5.00	7.00	9.00
35	4.25	5.00	5.00	7.00	9.00

1/ the fares are in rupees and cents

2/ the date stated above refer to the dates on which new tariff of fares became effective

Table 1.10 - Main source of revenue to the National Transport Authority, 1987 - 1991

(Thousand Rupees)

Source of revenue	As at end of December				
	1987	1988	1989	1990	1991
Motor Vehicle Licences (Road Tax)	28,478	33,404	57,388	69,817	76,428
Examination of Vehicles	2,093	2,307	2,531	2,764	3,262
Public Service Vehicle and Carrier's Licences	2,334	2,547	2,751	3,470	4,627
Registration of Vehicles	1,571	1,941	2,004	2,384	2,922
Penalties / Surcharge	499	585	671	1,368	1,301
Issue of Special Route Permits	431	968	1,588	2,203	2,236
Motor Vehicles Dealers and Petrol Service Station Licences	117	252	210	221	297
T o t a l	35,523	42,004	47,206	82,232	93,573



Table 1.11 - Driving licences issued during the year by type of licence, 1986 - 1991

number

Year	Provisional licence		Intermediate licence		Advanced licence		Total		Total
	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	
1986	6,742	1,600	1,370	15,700	1,070	7,100	2,130	2,130	10,330
1987	1,113	2,674	1,070	12,000	1,070	12,000	1,070	12,000	15,747
1988	14,816	4,000	5,076	1,070	6,276	1,070	7,346	7,346	22,162
1989	14,127	1,756	15,883	65,412	7,500	2,410	2,769	2,769	88,601
1990	14,743	970	--	--	12,411	1,055	13,466	--	15,521
1991 <sup>2/</sup>	15,000	1,000	--	--	10,769	5,385	16,154	--	32,159

1/ As from 1990 licences are not renewed except for those aged 60 years and over. In which case their licences are renewed every year.

2/ Provisional

Table 1.12 - Imports of vehicles and spare parts by country of origin, 1990 - 1991

(C.I.F. Value Rs 000)

Item	Country of origin	Unit	1990		1991	
			Quantity	Value	Quantity	Value
<u>Passenger motor cars</u> of engine capacity not exceeding 1,100 c.c.	France	No.	107	9,845	146	13,901
	Italy	"	64	5,067	35	2,994
	Japan	"	345	23,565	200	20,313
	United Kingdom	"	73	5,358	2	72
	Other Countries	"	12	852	30	3,036
			601	44,687	493	40,316
of engine capacity exceeding 1,100 c.c. but not exceeding 1,300 c.c.	France	No.	391	35,798	132	10,573
	Germany Fed. Rep.	"	2	172	3	191
	Italy	"	17	1,599	10	1,014
	Japan	"	1,951	221,029	1,637	135,211
	Korea Rep.	"	33	2,580	9	663
	Malaysia	"	90	8,723	85	5,370
	South Africa Rep.	"	19	1,308	37	3,332
	United Kingdom	"	44	4,532	10	395
	Other Countries	"	4	353	31	3,234
				2,551	276,034	2,004

Table 1.12 - Imports of vehicles and spare parts by country of origin, 1990 - 1991 (cont'd)

(C.I.F. Value RS 000)

Item	Country of origin	Unit	1990		1991	
			Quantity	Value	Quantity	Value
of engine capacity exceeding 1,300 c.c. but not exceeding 1,800 c.c.	France	No.	138	19,205	114	16,544
	Germany Fed. Rep.	"	95	19,527	74	19,023
	Italy	"	9	1,014	-	-
	Japan	"	397	38,426	485	56,620
	Korea Rep.	"	21	1,986	3	545
	Malaysia	"	15	1,446	5	626
	South Africa Rep.	"	27	2,800	8	571
	United Kingdom	"	25	2,628	22	2,333
	Other Countries	"	4	522	5	503
				731	87,554	716
of engine capacity exceeding 1,800 c.c.	France	No.	15	4,415	10	1,003
	Germany Fed. Rep.	"	72	12,359	47	23,133
	Japan	"	36	4,902	45	7,719
	South Africa Rep.	"	5	756	6	1,144
	United Kingdom	"	11	2,547	6	1,370
	Other Countries	"	6	1,022	4	630
			145	26,001	118	35,799

Table 1.12 - Imports of vehicles and spare parts by country of origin, 1990 - 1991 (cont'd)

(C.I.F. Value Rs 000)

Item	Country of origin	Unit	1990		1991		
			Quantity	Value	Quantity	Value	
Other, unspecified	France	No.	-	-	1	01	
			-	-	1	01	
Trucks and lorries, trucks of pick-up type, vans designed solely for the types which are not derived solely from ordinary passenger motor-car	France	No.	22	3,351	20	2,626	
	Germany Fed. Rep.	"	5	646	-	-	
	India	"	54	10,203	73	10,140	
	Italy	"	10	2,350	-	-	
	Japan	"	686	103,729	1,577	217,370	
	South Africa Rep.	"	71	7,312	3	1,679	
	United Kingdom	"	43	6,143	40	11,600	
	Other Countries	"	12	2,560	2	499	
				1,103	130,302	1,728	252,010

Table 1.12 - Imports of vehicles and spare parts by country of origin, 1990 - 1991 (cont'd)  
(C.I.F. Value Rs 000)

Item	Country of origin	Unit	1990		1991		
			Quantity	Value	Quantity	Value	
Public service type passenger motor vehicles	France	No.	-	-	6	6,821	
	India	"	36	8,754	75	24,290	
	Japan	"	152	24,723	361	73,163	
	Korea Rep.	"	2	305	-	-	
	South Africa Rep.	"	-	-	16	3,244	
	Other countries	"	3	1,264	6	2,326	
			193	35,126	464	109,844	
Road tractors for semi-trailers	France	No.	3	2,663	3	2,895	
	India	"	-	-	2	1,370	
	Japan	"	-	-	9	5,321	
	South Africa Rep.	"	7	4,171	-	-	
				10	6,834	14	9,586
Dumpers	Botswana	No.	-	-	2	1,403	
	China	"	2	35	24	1,076	
	France	"	2	247	5	533	
	India	"	2	1,117	-	-	
	Japan	"	2	502	-	-	
	South Africa Rep.	"	10	4,056	2	479	
	Spain	"	-	-	4	664	
	United Kingdom	"	42	4,706	20	3,103	
				60	11,463	65	7,315

Table 1.12 - Imports of vehicles and spare parts by country of origin, 1990 - 1991 (cont'd)

(C.I.F. Value Rs 000)

Item	Country of origin	Unit	1990		1991	
			Quantity	Value	Quantity	Value
Other motor vehicles for the transport of goods or materials of an engine capacity up to 1,100 c.c.	Japan	No.	-	-	2	116
	United Kingdom	"	1	183	-	-
			1	183	2	116
	Germany Fed. Rep.	No.	1	34	-	-
	Japan	"	13	672	8	487
	South Africa Rep.	"	3	120	1	96
	United Kingdom	"	1	59	-	-
	Other countries	"	-	-	2	140
			18	893	11	723
			1	128	1	69
of an engine capacity exceeding 1,300 c.c. but not exceeding 1,800 c.c.	France	No.	1	128	1	69
	India	"	1	70	-	-
	Japan	"	2	132	1	52
	United Kingdom	"	2	95	1	127
	Other countries	"	-	-	3	345
		6	433	6	593	

Table 1.12 - Imports of vehicles and spare parts by country of origin, 1990 - 1991 (cont'd)  
(C.I.F. Value Rs. 000)

	Country of origin	Unit	1990		1991	
			Quantity	Value	Quantity	Value
of an engine capacity exceeding 1,800 c.c	India	No.	--	--	1	330
	Japan	"	29	4,154	--	--
	Other countries	"	--	--	2	328
			29	4,154	3	658
special purpose motor vehicles and vans	Australia	No.	2	790	15	10,313
	France	"	14	14,038	14	7,850
	Germany Fed. Rep.	"	10	4,588	17	6,892
	India	"	7	716	18	4,445
	Italy	"	7	2,011	23	9,510
	Japan	"	1	208	14	4,335
	South Africa Rep.	"	56	459	2	911
	United Kingdom	"	72	25,128	55	17,416
	United States	"	5	11,360	6	21,194
	Other countries	"	6	3,335	1	629
			180	62,633	166	83,295

Table 1.12 - Imports of vehicles and spare parts by country of origin, 1990 - 1991 (cont'd) (C.I.F. Value Rs 000)

I t e m	Country of origin	Unit	1990		1991		
			Quantity	Value	Quantity	Value	
M.t.r cycles, scooters and autc cycles	Belgium	Nc.	30	425	40	562	
	China	"	241	806	339	1,358	
	Czechoslovakia	"	292	1,128	200	736	
	France	"	2,111	19,207	3,028	26,008	
	India	"	7,036	30,375	7,624	37,443	
	Italy	"	344	2,981	190	1,792	
	Japan	"	1,372	17,052	1,897	28,125	
	Korea Rep.	"	75	487	301	2,068	
	Spain	"	127	1,128	88	1,197	
	Other countries	"	229	1,569	8	62	
	Cycles not motorised	China	Nc.	11,857	75,158	13,714	99,351
		France	"	129	396	271	931
		Hong Keng	"	600	372	2,331	1,685
India		"	1,554	1,457	2,600	1,820	
Italy		"	1,612	1,735	465	656	
Korea Rep.		"	-	-	329	661	
Malaysia		"	900	999	830	1,101	
Singapore		"	-	-	400	468	
Taiwan		"	19,700	11,723	33,413	23,454	
United Kingdom		"	301	689	146	404	
United States		"	480	203	-	-	
Other countries		"	190	445	33	87	
				41,866	26,698	52,644	38,315



Table 1.12 - Imports of vehicles and spare parts by country of origin, 1990-1991 (cont'd)

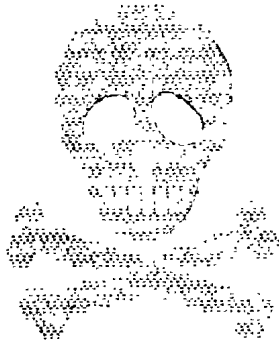
(C.I.F. Value Rs 000)

Item	Country of origin	Unit	1990		1991	
			Quantity	Value	Quantity	Value
Chassis fitted with engines for tractors, and for motor vehicles	France	No.	12	12,235	5	5,611
	Germany Fed. Rep.	"	-	-	3	1,238
	India	"	66	12,822	50	8,981
	Italy	"	2	676	-	-
	Japan	"	768	115,069	424	71,363
	Korea Rep.	"	11	5,185	-	-
	Netherlands	"	12	10,033	7	7,322
	South Africa Rep.	"	4	538	6	772
	United Kingdom	"	186	34,048	189	35,835
	Other countries	"	3	2,181	2	440
			1,064	192,787	686	131,575
Parts and accessories for tractors and for motor vehicles	France	M/ton	167	13,066	96	17,033
	Germany Fed. Rep.	"	53	9,482	37	6,586
	India	"	76	6,714	101	5,063
	Italy	"	31	5,193	26	4,046
	Japan	"	120	19,904	182	27,257
	Malaysia	"	-	-	38	2,319
	South Africa Rep.	"	167	8,882	73	4,984
	United Kingdom	"	716	32,491	401	20,946
	Other countries	"	74	9,408	90	11,479
				1,404	105,140	1,044

Table 1.12 - Imports of vehicles and spare parts by country of origin, 1990 - 1991

(C.I.F. Value Rs 000)

Item	Country of origin	Unit	1990		1991	
			Quantity	Value	Quantity	Value
Parts n.e.s and accessories for motor cycles, scooters and auto cycles	China	M/ton	61.2	1,532	55.0	1,728
	Czechoslovakia	"	-	-	1.2	265
	France	"	6.5	1,760	20.2	5,000
	Hong Kong	"	11.2	247	-	-
	India	"	118.2	4,233	72.5	3,655
	Italy	"	7.5	1,356	6.0	1,585
	Japan	"	68.0	12,225	132.0	27,571
	Spain	"	1.1	154	3.9	771
	Taiwan	"	67.0	7,315	46.4	3,992
	Other countries	"	2.1	388	5.7	972
				342.8	29,210	344.3



**REPORT**

**ROAD**

**ROADWAYS**

## Part II Road Traffic Accidents

### Definitions

#### 1. Casualties

The total number of fatalities and injuries resulting from road accidents.

#### 2. Fatalities

Deaths occurring as a result of road accident if the victim dies within a week the accident occurs.

#### 3. Injuries

The reported number of persons seriously or slightly injured in road accidents.

##### (i) Serious Injury

An injury for which a person is detained in hospital as an "in-patient" or any of the following injuries whether or not he is detained in hospital.

- (a) fractures
- (b) concussions
- (c) internal injuries
- (d) severe cuts and lacerations
- (e) crushings
- (f) severe general shock requiring medical treatment

##### (ii) Slight Injury

An injury of minor character such as:

- (a) sprain
- (b) bruise
- (c) cut not judged to be severe

#### 4. Severity of accident

Each accident is classified according to the degree of injury sustained most by the road users, namely, Fatal, Serious, Slight or No injury.

\*\*\*\*\*

Table 2.1 - Road traffic accidents, motor-vehicles involved and casualties, 1987 - 1991

Year	Number				
	Accidents	Motor-vehicles involved	Casualties	Population (mid-year)	Motor-vehicles registered (mid-year)
1987	7,059	11,869	3,294	1,001,607	80,893
1988	8,259	14,153	3,004	1,009,332	90,647
1989	9,005	15,489	3,141	1,017,307	101,816
1990	10,316	17,562	3,575	1,024,571	114,708
1991	13,439	22,835	4,025	1,035,807	131,771

Table 2.2 - Accident rate, 1987 - 1991

YEAR	Accidents			Motor-vehicles involved	
	Number	Per 100,000 Population	Per 1,000 registered motor-vehicles	Number	per 1,000 registered motor-vehicles
1987	7,059	703	87	11,869	147
1988	8,259	812	91	14,153	156
1989	9,085	881	89	15,489	152
1990	10,316	995	90	17,562	155
1991	13,439	1,297	102	22,835	173

Fig2.1- Fleet evolution & road accidents  
(1986-1991)

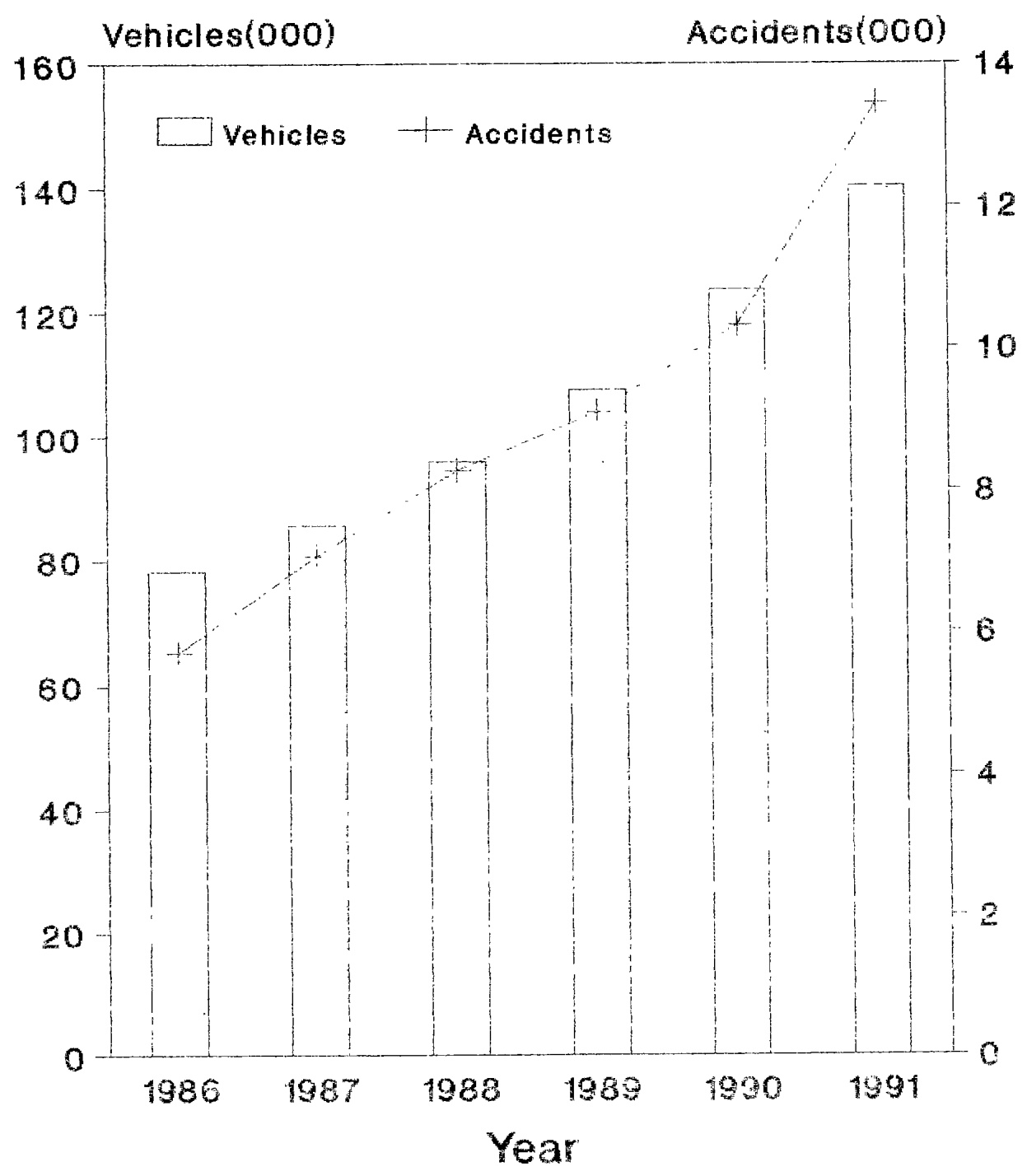


Table 2.3 - Fatalities and fatality index<sup>1/</sup>, 1987 - 1991

Year	Fatalities			Fatality index
	Number	Per 100,000 population	Per 1,000 registered motor-vehicles	
1987	112	11.2	1.4	3.4
1988	122	12.0	1.3	4.1
1989	130	12.6	1.3	4.1
1990	144	13.9	1.3	4.0
1991	168	16.2	1.3	4.2

<sup>1/</sup> Fatality index is the ratio of the number of fatalities to the total number of casualties expressed as a percentage.

Table 2.4 - Number of injuries by degree of injury and injury rate, 1987 - 1991

Year	Degree of injury			Injuries	
	Serious	Slight	Total injured	Per 100,000 population	Per 1,000 registered motor-vehicles
1987	255	2,927	3,182	317.0	39.3
1988	282	2,600	2,882	283.5	31.8
1989	250	2,761	3,011	291.9	29.6
1990	315	3,116	3,431	330.9	29.9
1991	296	3,561	3,857	372.4	29.3



Table 2.5 - Accidents, motor-vehicles, pedestrians involved and casualties by police district, 1990 - 1991

Number

Police district	Accidents		Motor-vehicles involved		Pedestrians involved		Casualties	
	1990	1991	1990	1991	1990	1991	1990	1991
	Port Louis (South)	1,619	2,093	2,966	3,043	235	207	304
Port Louis (North)	1,292	1,602	2,203	2,703	177	194	518	596
Pamplemousses/Rivière du Rempart	1,111	1,564	1,782	2,456	140	176	619	722
Moka/Flacq	1,247	1,021	2,025	2,961	155	195	431	563
Grand Port/Savanne	926	1,200	1,425	1,836	155	147	699	505
Upper Plaines Wilhems	1,572	2,088	2,687	3,643	189	185	397	546
Plaines Wilhems/Black River	2,549	3,071	4,474	5,393	267	265	607	631
Whole Island	10,316	13,439	17,562	22,855	1,318	1,369	3,575	4,025

Table 2.6 - Accidents, motor-vehicles/pedestrians involved and casualties by police district by semester, 1991

Police district	Number									
	Accidents		Motor-vehicles involved		Pedestrians involved		Casualties			
	Jan-June	July-Dec	Jan-June	July-Dec	Jan-June	July-Dec	Jan-June	July-Dec	Jan-June	July-Dec
Port Louis (South)	901	1,192	1,650	2,195	97	110	139	143		
Port Louis (North)	703	999	1,193	1,510	72	122	252	344		
Pamplemousses/Rivière du Rempart	708	856	1,102	1,354	100	76	324	396		
Moka/Flacq	774	1,047	1,266	1,695	92	97	293	370		
Grand Port/Savanne	505	695	777	1,059	68	79	249	336		
Upper Plaines Wilhems	950	1,130	1,658	1,985	106	79	269	277		
Plaines Wilhems/Black River	1,464	1,607	2,570	2,823	130	135	317	314		
Whole Island	5,005	7,434	10,216	12,619	671	698	1,843	2,182		

Table 2.7 - Daily and hourly distribution of accidents, 1991.

Number

Time(hour)	Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Total
0	1	10	15	13	14	5	16	18	91
1	2	9	11	3	9	13	12	20	77
2	3	3	9	5	7	3	5	9	41
3	4	7	3	10	4	4	7	13	46
4	5	3	7	7	5	5	7	21	55
5	6	12	7	10	8	14	15	11	77
6	7	50	46	42	42	33	32	32	277
7	8	142	101	86	109	92	70	57	657
8	9	191	137	143	139	144	86	71	911
9	10	146	111	116	128	91	111	105	893
10	11	127	108	102	101	101	144	110	793
11	12	117	136	134	119	95	143	120	864
12	13	113	101	95	101	104	158	100	773
13	14	134	118	132	106	87	131	119	827
14	15	144	136	117	120	142	128	123	912
15	16	164	149	126	127	164	117	116	963
16	17	193	153	170	147	161	122	125	1,071
17	18	207	138	184	151	173	141	180	1,174
18	19	153	121	108	113	135	140	168	938
19	20	105	90	80	94	94	111	147	721
20	21	70	67	57	63	73	96	125	551
21	22	43	49	45	34	44	73	70	358
22	23	44	28	29	23	35	65	47	271
23	24	18	13	23	18	26	54	24	176
TOTAL		2,205	1,856	1,837	1,782	1,836	1,984	1,937	13,439

FIG.2.2 - NUMBER OF ACCIDENTS BY DAY OF WEEK 1991

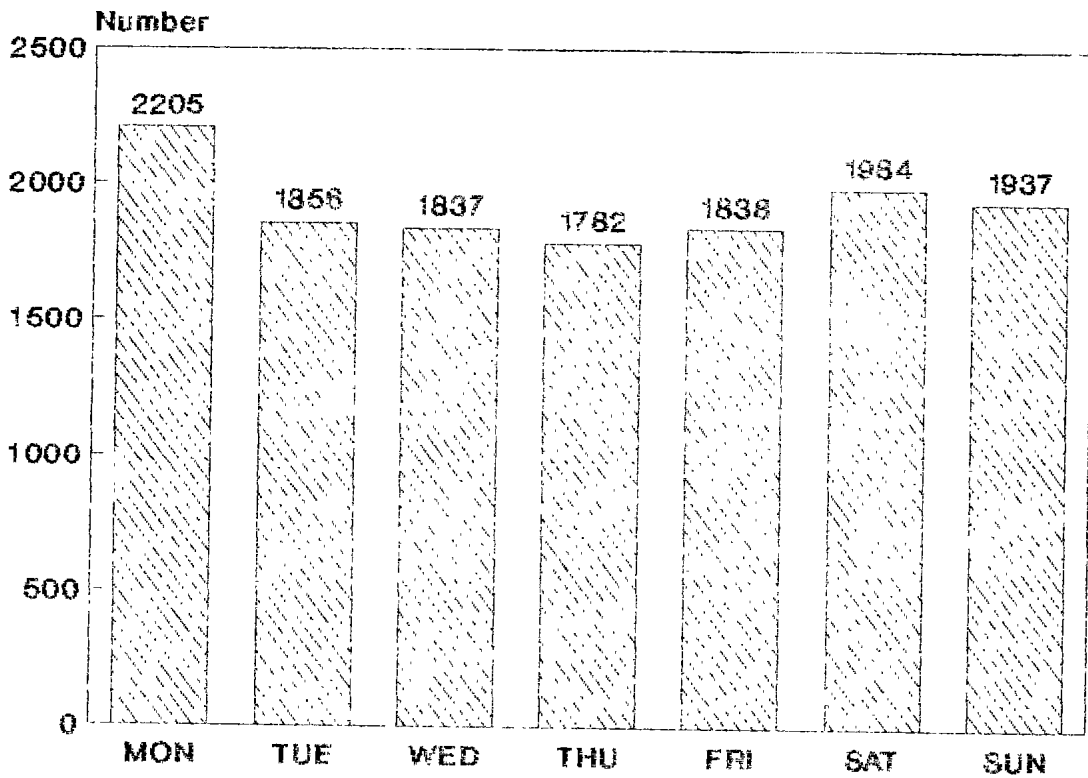


Fig. 2.3 - NUMBER OF ACCIDENTS BY TIME OF DAY 1991

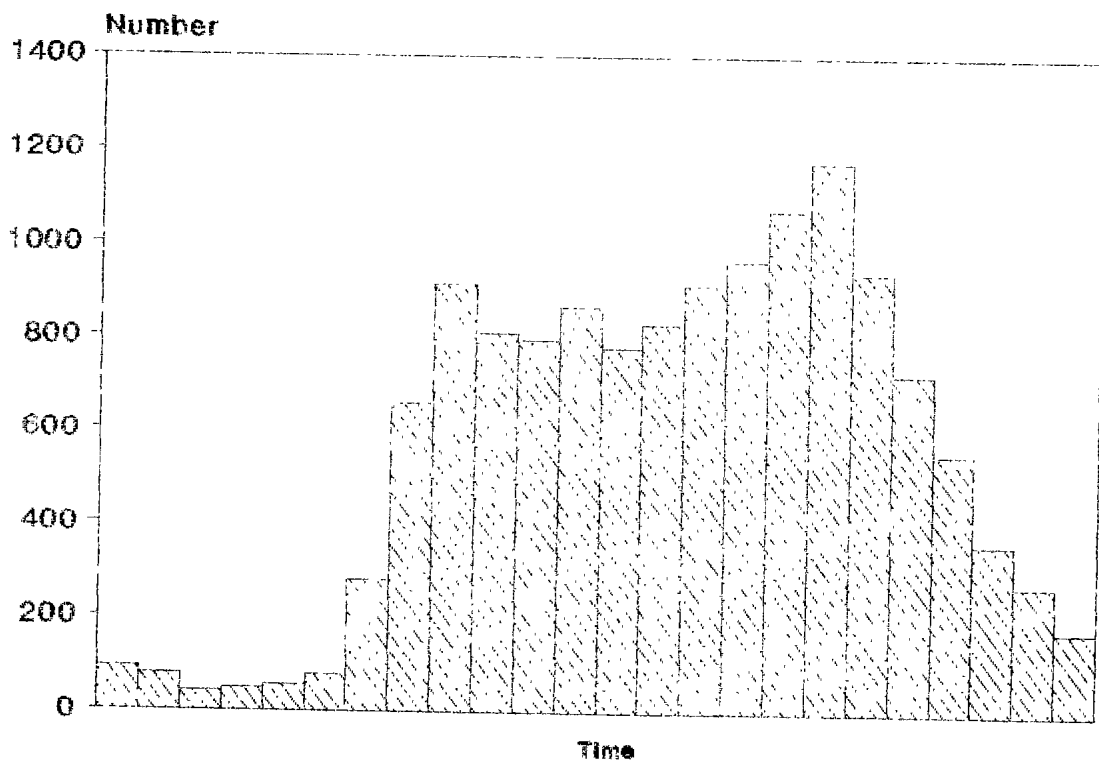


Table 2.8 - Number of accidents by severity of accident and number of casualties  
1991

Number of casualties	Severity of accident				
	Fatal	Serious	Slight	No injury	Total
0	-	-	-	10,417	10,417
1	123	163	2,253	-	2,539
2	23	30	306	-	359
3	4	4	39	-	47
4	5	3	28	-	36
> or more	5	7	29	-	41
Total	160	207	2,655	10,417	13,439

Table 2.9 - Number of accidents by severity of accident and number of vehicles involved, 1991.

Number of vehicles involved	Severity of accident				
	Fatal	Serious	Slight	No injury	Total
1	107	122	1,892	2,208	4,329
2	51	81	726	7,986	8,844
3	2	4	38	212	254
4 or more	-	-	1	11	12
Total	160	207	2,655	10,417	13,439

Table 2.10 - number of accidents by severity of accident and police district, 1990 - 1991

Police district	1990						1991					
	Severity of accident						Severity of accident					
	Fatal	Serious	Slight	No injury	Total	Fatal	Serious	Slight	No injury	Total		
Port Louis (South)	10	9	233	1,367	1,609	11	10	215	1,855	2,093		
Port Louis (North)	24	58	306	904	1,292	20	57	386	1,122	1,602		
Pamplemousses/ Riviere du Rempart	27	39	337	714	1,111	26	43	497	826	1,564		
Moka/Flacq	17	12	285	933	1,247	26	22	419	1,354	1,821		
Grand Port/Savanne	10	46	289	573	925	26	24	326	824	1,200		
Upper Plaines Wilhems	17	24	286	1,245	1,572	18	23	376	1,571	2,088		
Plaines Wilhems/Black River	25	47	431	2,048	2,549	33	28	435	2,575	3,071		
Wholic Island	130	235	2,167	7,784	10,316	160	207	2,655	10,417	13,439		

Table 2.11 - Number of accidents by severity of accident and conditions of weather, 1990 - 1991

Weather conditions	1990						1991					
	Severity of accident						Severity of accident					
	Fatal	Serious	Slight	No injury	Total		Fatal	Serious	Slight	No injury	Total	
Fine	125	213	2,042	7,425	9,800		147	183	2,490	9,985	12,806	
Rainy	10	20	122	351	503		9	21	141	354	565	
Fog/mist	-	-	1	2	3		3	2	9	13	27	
Other	-	2	2	6	10		1	1	15	24	41	
All conditions	135	235	2,167	7,784	10,316		160	207	2,655	10,017	13,439	

Table 2.12 - Number of accidents by severity of accident and light conditions, 1990 - 1991

Light conditions	1990					1991				
	Severity of accident					Severity of accident				
	Fatal	Serious	Slight	No injury	Total	Fatal	Serious	Slight	No injury	Total
Daylight	80	150	1,618	6,401	8,249	101	141	2,054	8,822	11,118
Dark -- no street lighting	20	31	174	407	652	26	29	206	412	673
Dark - Street light on	30	52	353	943	1,378	32	37	384	1,156	1,609
Dark - street light off	-	2	22	33	57	1	-	11	27	39
All conditions	130	235	2,167	7,784	10,316	160	207	2,655	10,417	13,439



Table 2.13 - Number of accidents by severity of accident and apparent cause of accident, 1990 - 1991

Apparent cause of accident	1990						1991					
	Severity of accident						Severity of accident					
	Fatal	Serious	Slight	No injury	Total	Fatal	Serious	Slight	No injury	Total		
Speeding	19	18	101	259	397	16	22	121	261	420		
Improper overtaking	3	8	76	291	378	6	5	92	410	513		
Signal violation	-	1	10	12	23	-	-	12	22	34		
Followed too closely	-	2	49	311	362	1	3	51	416	471		
Vehicle skidded	5	19	143	305	472	8	10	223	443	684		
Improper signing	1	2	17	54	74	1	2	26	67	96		
Inefficient brake	-	1	19	23	43	3	-	12	22	37		
Burst tyres	-	1	5	20	26	-	2	12	21	35		
Careless driving	58	104	1,016	5,099	7,077	76	105	1,200	7,523	8,904		
Negligence of pedestrian	33	55	461	64	613	32	34	498	87	651		
Other mechanical defect	-	3	18	36	57	1	2	29	50	82		
Other causes	11	21	252	510	794	16	22	379	1,095	1,512		
All causes	130	235	2,167	7,784	10,316	160	207	2,655	10,417	13,439		

Table 2.14 - Number of accidents by severity of accident on different types of roads, 1991

Type of road	Length of roads (kms)	Severity of accident			
		Fatal	serious	Slight	No injury / total
Motor-way	29	16	15	116	833 983
Main road	886	59	76	791	3,118 4,056
Secondary road	577	44	73	841	2,118 3,076
Other road	339	31	49	907	4,257 5,284
All roads	1,831	160	207	2,655	10,417 13,439

Table 2.15 - Number of accidents by severity of accident and road characteristics, 1990 - 1991

Road characteristic	1990					1991				
	Severity of accident					Severity of accident				
	Fatal	Serious	Slight	No injury	Total	Fatal	Serious	Slight	No injury	Total
Straight	101	176	1,702	6,335	8,314	117	153	2,070	8,620	10,960
Curve	17	24	209	603	853	17	28	277	701	1,023
Roundabout	1	4	38	157	200	3	8	49	188	248
Hill crest	3	4	30	64	101	5	3	23	61	92
Signalised intersection	3	2	25	63	93	2	1	20	67	90
Uncontrolled junction	3	10	94	314	421	5	8	104	328	445
Road works present	1	5	20	41	67	-	-	10	50	68
Defective road surface	-	2	19	38	59	2	1	31	76	110
Other	1	3	30	169	203	9	5	63	326	403
All characteristics	130	235	2,167	7,784	10,316	160	207	2,655	10,417	13,439

Table 2.16 - Number of vehicles<sup>1/</sup> involved in accidents by type of vehicle,  
1990 - 1991

Type of vehicle	1990		1991	
	Number of vehicles	%	Number of vehicles	%
Private car	7,390	41.0	9,557	40.9
Taxi car	1,675	9.3	1,675	8.0
Bus	1,845	10.2	2,160	9.2
Lorry	1,398	7.8	1,500	6.6
Van	2,215	12.3	2,952	12.6
Motor/Auto cycle	2,944	16.3	4,505	19.6
Pedal cycle	431	2.4	697	2.1
Other motor vehicle	89	0.5	575	0.6
Other non-motor vehicle	28	0.2	32	0.2
All vehicles	18,011	100.0	23,350	100.0

<sup>1/</sup> only three main vehicles have been considered in accidents involving more than three vehicles

**Fig.2.4-Vehicles involved in accidents by type**

**1991**

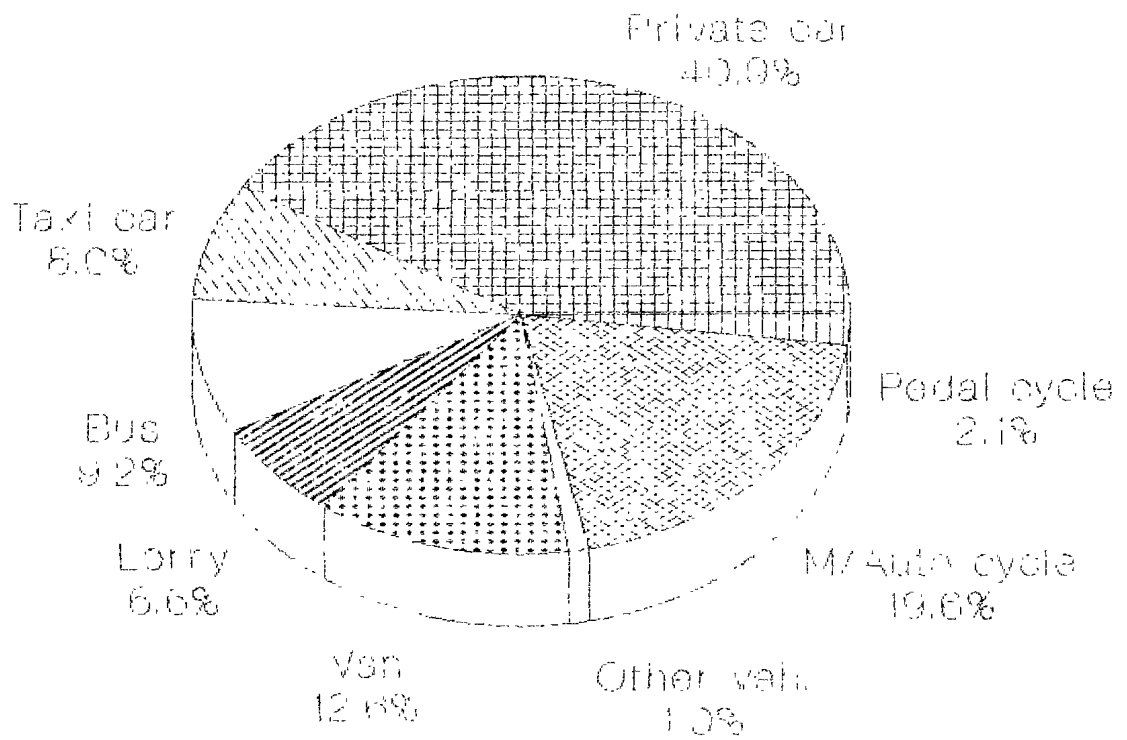


Table 2.17 - Number of motor-vehicles<sup>1/</sup> involved in accidents by type of vehicle and nature of damage, 1990 - 1991

Type of vehicle	Nature of damage							
	Seriously damaged		Slightly damaged		No damage		Total	
	1990	1991	1990	1991	1990	1991	1990	1991
Private car	251	215	6,512	6,885	627	457	7,390	9,557
Taxi car	49	47	1,511	1,730	115	93	1,675	1,870
Bus	57	26	1,552	1,915	254	219	1,843	2,160
Lorry	40	23	1,100	1,281	258	240	1,398	1,544
Van	64	56	1,985	2,762	164	134	2,213	2,952
Motor/auto cycle	72	87	2,661	4,284	211	194	2,944	4,555
Other motor-vehicle	1	2	53	128	30	34	84	164
all vehicles	514	456	15,374	20,908	1,659	1,371	17,547	22,812

<sup>1/</sup> Only three main vehicles have been considered in accidents involving more than three vehicles

Table 2.16 - Number of drivers and riders involved in accidents by age-group and sex, 1991

Age-group (years)	Drivers			Riders			Total		
	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes
	15 - 18	57	4	61	274	5	219	279	
19 - 24	1,609	25	1,711	1,064	6	1,008	2,698		2,719
25 - 34	6,456	77	6,533	1,765		1,752	8,292	55	8,285
35 - 44	5,754	80	5,840	247	2	249	5,701		5,789
45 - 54	4,664	33	2,097	320	2	322	2,384	35	2,419
55 - 60	565	6	592	90	1	91	675		683
Over 60	395	15	410	69	1	46	442		458
All ages	15,996	246	17,244	4,504	20	4,389	21,364	200	21,633

1/ excluding drivers and riders involved in hit and run and mutual agreement cases

Table 2.19 - Drivers/riders involved in accidents by driving experience and sex, 1990 - 1991

Driving experience	1990			1991		
	Number of drivers/riders			Number of drivers/riders		
	Male	Female	Both sexes	Male	Female	Both sexes
No licence	30	3	33	33	-	33
Learner driver's licence	293	3	302	504	2	506
Licence with less than 2 years experience	427	15	442	506	8	514
Licence with more than 2 years experience	15,755	234	15,993	20,321	259	20,580
All categories	16,515	255	16,770	21,364	269	21,633



Table 2.20 - Casualties by Class of Road Users, 1990 - 1991

Class of road users	1990		1991	
	Casualties		Casualties	
	Number	%	Number	%
Pedestrian	1,125	34	1,101	27
Passenger	968	27	945	24
Driver	261	7	286	7
Rider	928	26	1,338	33
Pedal cyclist	293	8	355	9
All road users	3,575	100	4,025	100

**Fig2.5-Casualties by class of road users**  
(1991)

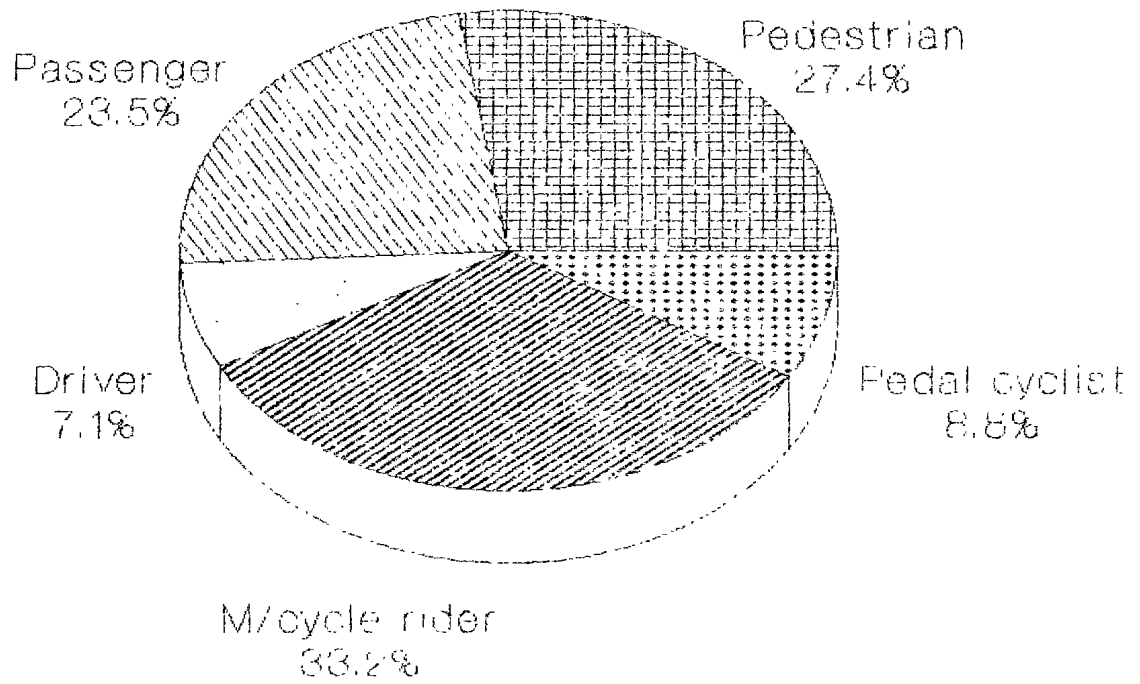


Table 2.21 - Number of casualties by degree of injury and class of road users, 1990 - 1991

Class of road users	1990				1991			
	Degree of injury				Degree of injury			
	Fatal	Seasonally injured	Slight injured	Total	Fatal	Seasonally injured	Slightly injured	Total
Pedestrian	72	107	946	1,125	68	64	969	1,101
Passenger	19	60	889	968	30	79	836	945
Driver	12	35	214	261	16	35	235	286
Rider	27	87	814	928	44	102	1,192	1,338
Pedal cyclist	14	26	253	293	10	16	329	355
All road users	144	315	3,116	3,575	168	296	3,561	4,025

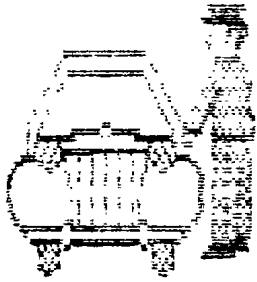
Table 2.22 - Number of casualties by age-group and sex, 1991

Age-group (years)	Class of casualty											
	Pedestrian			Passenger			Driver/Rider/Cyclist			Total casualties		
	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes
Under 7	60	31	91	11	6	17	1	..	1	72	37	109
7 - 12	100	61	161	21	15	36	19	2	19	138	78	216
13 - 20	75	46	121	62	55	117	242	6	242	373	107	480
21 - 40	312	113	425	486	174	660	1,365	35	1,365	2,148	322	2,470
41 - 50	85	64	139	53	39	92	201	5	201	334	98	432
51 - 60	40	35	75	8	5	13	98	1	98	145	41	186
Over 60	58	31	89	4	6	10	33	2	33	93	39	132
All ages	730	371	1,101	645	300	945	1,928	51	1,979	3,303	722	4,025

Table 2.23 - Pedestrian casualties by age group, 1990 - 1991

Age-group (years)	1990			1991		
	Population <sup>1/</sup> (mid-year)	Pedestrian Casualties		Population <sup>1/</sup> (mid-year)	Pedestrian Casualties	
		Number	Per 100,000 Population		Number	Per 100,000 Population
Under 7	130,962	85	65	133,174	91	60
7 - 12	130,400	105	142	126,305	161	127
13 - 20	153,140	118	77	154,608	121	76
21 - 40	568,550	417	113	370,050	425	115
41 - 50	95,057	143	149	102,448	139	135
51 - 60	65,955	91	138	67,165	75	112
Over 60	79,427	86	108	82,057	89	108
All ages	1,024,571	1,125	110	1,035,007	1,101	106

<sup>1/</sup> population based on 1990 Population Census



PARADISE

PARADISE

PARADISE



Table 3.1 - Evolution of price of gasoline and gas oil, 1983 - 1991

Year (as at end of .....	Gasoline		Gas-oil	
	Price (Rs/Litre)	Index (1983 = 100)	Price (Rs/Litre)	Index (1983 = 100)
1983	7.27	100.0	4.41	100.0
1984	8.15	112.1	4.85	110.0
1985	8.15	112.1	4.85	110.0
1986	7.70	105.9	4.51	102.3
1987	7.70	105.9	4.51	102.3
1988	7.70	105.9	4.51	102.3
1989	7.70	105.9	4.51	102.3
1990 <sup>1/</sup>	11.00	151.3	6.80	154.2
1991 <sup>2/</sup>	9.50	133.7	5.50	124.7

1/ as from mid September



Table 3.2 - Sales (quantity) of gasoline and gas-oil, 1983 - 1991

Year	Gasoline		Gas-oil	
	Quantity (000 litres)	Index (1983 = 100)	Quantity (000 litres)	Index (1983 = 100)
1983	45,577	100.0	63,478	100.0
1984	46,785	102.7	64,845	102.2
1985	47,484	104.2	67,800	106.8
1986	51,484	113.0	74,118	116.8
1987	59,359	130.2	82,919	130.6
1988	66,671	141.9	91,043	143.4
1989	74,255	162.9	96,183	151.5
1990	83,548	182.2	108,251	170.5
1991	85,574	187.8	113,033	178.1

Table 3.3 - Imports of motor spirit and gas oil by country of origin, 1990 - 1991

(C.I.F. Value Rs 000)

Item	Country of origin	Unit	1990		1991	
			Quantity	Value	Quantity	Value
Motor spirit (Gasoline)	Bahrain	(000) Lt	63,635	183,335	56,579	167,480
	Ivory Coast	"	5,360	25,982	3,824	10,376
	Kuwait	"	8,828	28,337	-	-
	Saudi Arabia	"	-	-	7,107	21,526
	South Africa Rep.	"	-	-	23,207	65,022
			77,823	237,654	90,717	264,404
Gas oil	Bahrain	(000) Lt	80,532	216,935	56,179	158,176
	Ivory Coast	"	22,541	87,430	22,968	94,620
	Kenya	"	6,950	26,088	-	-
	Kuwait	"	60,966	132,377	-	-
	Oman	"	-	-	7,253	19,721
	Saudi Arabia	"	10,735	41,360	23,807	61,859
	South Africa Rep.	"	-	-	52,225	163,341
	Venezuela	"	-	-	5,781	25,575
Yemen	"	-	-	12,489	35,615	
			181,724	504,190	180,702	556,907

Table 3.4 - Imports of lubricating oils and greases by country of origin, 1990 - 1991

(C.I.F. Value Rs. 000)

Item	Country of origin	Unit	1990		1991	
			Quantity	Value	Quantity	Value
Lubricating oil containing not less than 70% by weight of petroleum products	Belgium	(000) Lt	145	1,700	122	1,799
	France	"	700	9,668	299	5,365
	Germany Fed. Rep.	"	35	1,183	6	238
	Italy	"	57	819	66	1,214
	Japan	"	17	536	20	762
	Kenya	"	72	1,049	28	657
	Netherlands	"	13	194	15	497
	Singapore	"	234	2,730	260	4,126
	South Africa Rep.	"	4,635	51,646	5,175	65,652
	United Kingdom	"	105	1,757	70	2,145
	United States	"	11	332	52	861
Other countries	"	12	450	9	512	
			6,036	72,064	6,122	83,828
Lubricating greases containing not less than 70% by weight of petroleum products	Australia	M/ton	3.1	333	3.2	308
	France	"	36.3	899	5.3	262
	Germany Fed. Rep.	"	0.3	107	0.2	130
	Italy	"	3.2	72	4.1	99
	South Africa Rep.	"	134.1	2,373	90.2	1,962
	United Kingdom	"	0.3	70	1.9	259
	Other countries	"	2.8	201	4.8	391
			180.1	4,055	109.7	5,411

MINISTRY OF WORKS  
TRAFFIC MANAGEMENT UNIT

# ACCIDENT REPORT FORM

ORIGINAL

### 5. IDENTIFICATION OF DRIVERS (for three main vehicles mentioned in part 3.3.)

Sex: 1. Male 2. Female

	Driver No. 1		Driver No. 2		Driver No. 3	
	Sex	Age	Sex	Age	Sex	Age
(1) No licence at all	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(2) a learner driver's licence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(3) a licence with less than 2 years' experience	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(4) a licence with more than 2 years' experience	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### 8. WEATHER CONDITIONS

1. Fine 2. Raining 3. Fog/mist 4. Other

### 9. LIGHT CONDITIONS

1. Dark — no street lighting   
2. Dark — with street lighting  
3. Dark — street lights unit

### 10. ROAD CHARACTERISTICS (tick three most important characteristics, if any)

- (1) Straight  01
- (2) Curve  02
- (3) Roundabout  03
- (4) Hillcrest  04
- (5) Signalised intersection  05
- (6) Uncontrolled junction road  06
- (7) Road works present  07
- (8) Defective road surface  08
- (9) Road surface dry  09
- (10) Road surface wet  10
- (11) Other, specify  11

### 11. ANY APPARENT SYMPTOM OF ALCOHOL ?

Driver/rider/cyclist Pedestrian, if any  
(1) Yes  1  3   
(2) No  2  4

### 12. APPARENT CAUSE OF ACCIDENT

- 01. Speeding
- 02. Improper overtaking
- 03. Signal violation
- 04. Followed too closely
- 05. Vehicle skidded
- 06. Improper signing
- 07. Inefficient brake
- 08. Burst tyres
- 09. Careless driving
- 10. Negligence of pedestrian
- 11. Other mechanical defect
- 12. Other, specify.....

### 6. SEVERITY OF CASUALTY

	Number		
	Fatal	Serious	Slight
(1) Pedestrians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(2) Pedal Cyclists	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(3) Riders (auto/motor cycles)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(4) Drivers (motor vehicles)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(5) Passengers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### 7. AGE GROUP AND SEX OF CASUALTIES

	Number					
	Pedestrians		Passengers		Drivers/Riders/Cyclists	
	Male	Female	Male	Female	Male	Female
(1) Under 7 yrs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(2) 7-12 years	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(3) 13-20 years	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(4) 21-40 years	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(5) 41-50 years	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(6) 51-60 years	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(7) over 60 years	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Name of responsible officer.....  
Signature.....

### 1. TIME

Police Station..... Card No.

Day Month Year

1.1 Date of accident

1.2 Day of week

1. Sunday 3. Tuesday 5. Thursday  
2. Monday 4. Wednesday 6. Friday  
7. Saturday

1.3 Time

Hrs  Mins

24 hours

### 2. EXACT LOCATION OF ACCIDENT

2.1 Name of village or town.....

2.2 Name of street or road.....

2.3 Distance of site of accident from the nearest junction or school or social welfare centre or any other place for location.....

Distance..... Name of junction or place.....

### 3. VEHICLE RECORD

3.1 Number of vehicle(s) involved in the accident

3.2 Number of pedestrian(s) involved in the accident

3.3 Type of vehicle(s) involved

01. Private Car 05. Van 09. Other non-motor vehicle  
02. Taxi Car 06. Motor cycle/Autocycle 10. Other non-motor vehicle  
03. Bus 07. Pedal cycle 11. Property damage  
04. Lorry 08. Pedestrian

(1) Type (insert appropriate code as above)

(2) Registration Number

(3) Insurance Company

### 4. DAMAGE TO VEHICLES

1. Seriously damaged  2. Slightly damaged  3. No damage

Vehicle No. 1  Vehicle No. 2  Vehicle No. 3