

**MAURITIUS**

**Ministry of Economic Planning and Development**

**CENTRAL STATISTICAL OFFICE**

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**DIGEST OF  
ROAD TRANSPORT  
STATISTICS  
1990**

**June 1991**

**(Price: Rs 75.00)**

## FOREWORD

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

This digest is designed to bring together in a single report 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 1991. 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.

(D. Zmanay)  
Director of Statistics

Central Statistical Office  
Ministry of Economic Planning and Development  
PORT LOUIS

June 1991

# N O T E S

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## ABBREVIATIONS

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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

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-	Nil or negligible
...	Not available
.-.	Not applicable

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# Road Transport and Accident Statistics Year 1990

## 1.1. Vehicles registered as at December, 1990

As at December 1990, there were 123,500 vehicles registered at the National Transport Authority (NTA) representing an increase of 16,000 or 15% over the 107,500 in 1989. Slightly less than half of the fleet or 46% consisted of two-wheeled motor vehicles i.e. 45,000 auto-cycles and 12,000 motor-cycles; passenger cars accounted for 47,000 representing 38% of the total and the remaining 16% comprised lorries and trucks (6,600), vans (6,600) and buses (1,900).

## 1.2. Net addition during the year 1990

From January to December 1990, 19,000 vehicles were added to the existing fleet; of these 16,300 were new and 2,800 second hand vehicles. As during the same period 3,100 vehicles were put off the road, the net addition works out to 16,000 only. Comparative figures for previous years are: 12,000 in 1989, 10,000 in 1988, 7,000 in 1987 and 2,600 only in 1986. It is also noted that the majority, 75% of the additional vehicles consisted of motor-cycles and auto-cycles.

## 1.3. Passenger Cars

In 1990, the fleet of passenger cars inclusive of dual purpose vehicles was increased further with the addition of 3,400, new cars which brought the total registered as at December 1990 to nearly 47,000 representing 38% of the total number of vehicles. Following the constant renewal of the fleet during the last five years, an estimated age-distribution of motor cars shows that as at December 1990, 46% were aged under 10 years and 54% were in the category of 10 years and over.

It is recalled that a total of 17,000 passenger cars (11,500 new and 5,600 second hand) or an average of 3,400 per year have been registered during each year over the last five years. On the other hand 4,300 were put off the road so that the net addition during the last five years works out to 13,000 cars.

The ratio of the number of passenger cars per 1,000 persons consequently moved up to 45 in 1990 compared to 42 in 1989 and 35 in 1986.

## 1.4. Motor-cycles and Auto-cycles

During the year 1990, the fleet of motor-cycles was considerably increased with the addition of 10,700 such vehicles which brought the total to 57,000 representing a 23% increase over the previous year. In fact, during the five year period 1986 - 1990 the number of two wheeled motor-vehicles has been almost doubled with the registration of 30,000 new auto-cycles and motor-cycles.

## 2.1. Road Accidents

There were 10,300 road traffic accidents reported at the Police Stations during the year 1990 compared to 9,085 in 1989 representing an increase of 14% over the previous year. Consequently the accident rate, calculated as the number of accidents per thousand registered motor-vehicles, went up by one percentage point to reach 90. This ratio was 61 in 1983 and had reached a peak of 91 in 1988 before falling to 89 in 1989.

## 2.2. Casualties

The number of casualties resulting from the 10,300 accidents was also 14% higher than in the previous year and numbered 3,575 of which 144 were fatal, 315 seriously injured and 3,116 suffered slight injury. In 1990, there were 144 persons killed in accidents compared to 130 in 1989 and 122 in 1988.

The fatality rate worked out as the total number of persons killed in the accidents per 100,000 population rose to 14 from 13 in 1989 and 11 in 1986.

An analysis of casualties by type of road users shows that pedestrians accounted for 32%, followed by passengers 27%, and motor-cycle riders 26%. With the increasing number of motor-cycles and auto-cycles on the road, casualties among riders have recorded a substantial rise of 44% numbering 928 compared to 643 in 1989.

The injury rate which shows the number of 'injury' per 100,000 population stood at 331 for the 1990 in comparison with 292 in 1989 and 284 in 1988.

## 2.3. Vehicles involved

In 1990 there were 17,500 vehicles involved in accidents, 2,100 more than in the previous year. Passenger cars including taxis comprised 9,000 or 50% of all vehicles collided whilst two-wheeled motor vehicles, 3,000 representing 16%.

It is worth pointing out that in 1990 the number of two wheelers involved in accidents was increased by some 800 and was 32% higher than in the previous year.

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SUMMARY DATA FOR 1990

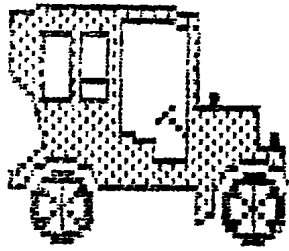
A. GENERAL

1. Population (as at end of June)	(Number)	1,036,833
2. Area of Island of Mauritius	(Sq. Kms)	1,865
3. Length of roads	(Kms)	1,801
4. Gross National Product (at factor cost)	(Rs Million)	30,900

B. ROAD TRAFFIC STATISTICS

	<u>1989</u>	<u>1990</u>	<u>Change</u>
	(Number)	(Number)	(%)

1. <u>Vehicles on register</u>	107,512	123,545	+14.9
(of which two-wheelers)	(46,404)	(57,042)	+22.9
2. <u>Road accidents</u>			
Fatal accidents	116	130	+12.1
Serious injury accidents	197	235	+19.3
Other injury accidents	2,006	2,167	+ 8.0
Non-injury accidents	6,766	7,784	+15.0
Total recorded accidents	9,085	10,316	+13.5
Number of vehicles involved	15,489	17,562	+13.4
3. <u>Casualties (Total)</u>	3,141	3,575	+13.8
(of which)			
Killed	130	144	+10.8
Serious injured	250	315	+26.0
Other injured	2,761	3,116	+12.9



**RAM**

**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

(d) satisfies 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 or 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 rearmost part of the steering wheel and the backrests of the row of transverse seats satisfying the requirements specified in subparagraph (ii) (A) (or, where there is more than one row of seats, the distance between the rearmost part of the steering wheel and the backrests of the rearmost row) is, when the seats are ready for use, not less than one-third of distance between the rearmost part of the steering wheel and the rearmost 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, not 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, 1986 - 1990

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			
1986	27	840	577	339	1,783	92	0.96
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

<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 (1865 sq. kms)

Table 1.2 - Registration of vehicles<sup>1/</sup> 1986 - 1990

Type of vehicle	As at end of .....				
	1986	1987	1988	1989	1990
Car	27,053	28,337	30,283	31,919	33,916
(of which Taxi Car)	(2,931)	(3,358)	(3,423)	(3,464)	(3,715)
Dual Purpose Vehicle	8,071	9,207	10,283	11,460	12,877
Heavy Motor Car	423	454	517	624	695
Motor Cycle	9,205	9,436	9,912	10,560	11,937
Auto Cycle	20,359	24,124	29,181	35,844	45,157
Lorry and Truck	4,838	5,057	5,534	5,906	6,564
Van	3,636	4,115	4,788	5,600	6,637
Bus	1,360	1,529	1,771	1,858	1,929
Tractor and Dumper	1,863	1,940	2,013	2,078	2,156
Prime Mover	130	145	164	182	185
Trailer	997	1,039	1,083	1,151	1,155
Tanker Lorry	28	28	28	28	29
Road Roller	91	87	101	98	94
Other <sup>2/</sup>	175	179	182	205	214
Total	78,229	85,677	95,840	107,513	123,545

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

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

Fig. 1.1 - Registration of vehicles, 1985-1990

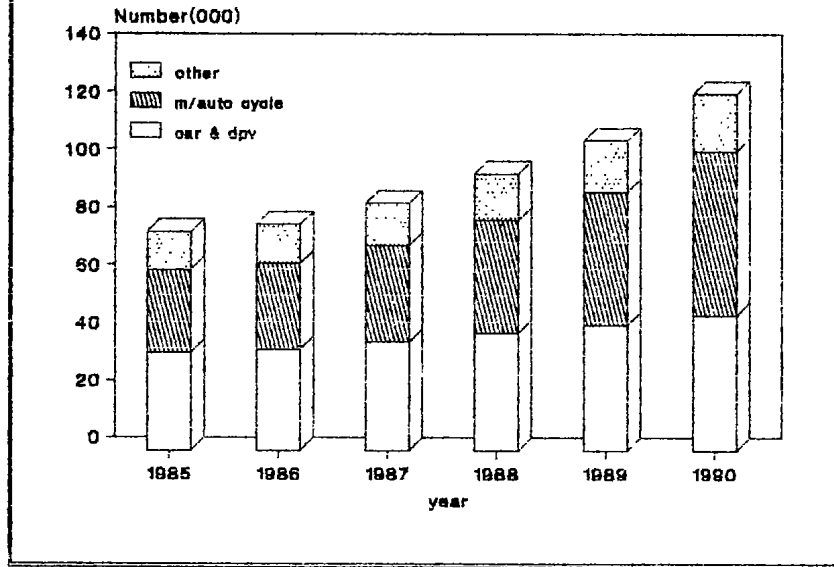


Fig. 1.2 - Number of vehicles by type (as at Dec. 1990)

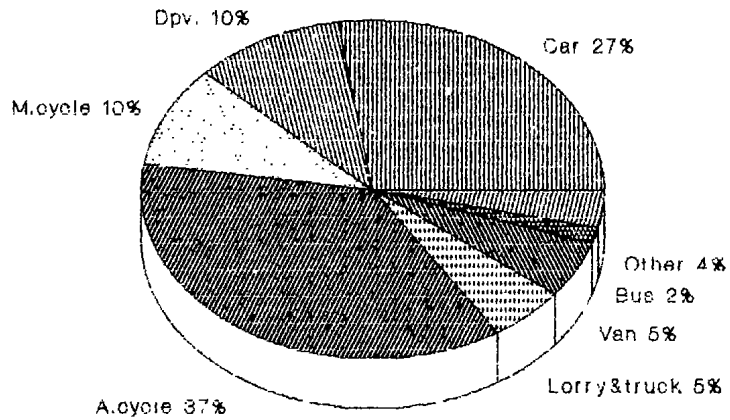


Table 1.3 - Registration of new vehicles <sup>1/</sup> during the year, 1986 - 1990

Type of vehicle	1986	1987	1988	1989	1990
Car	590	1,357	1,841	1,540	2,189
Dual Purpose Vehicle	443	804	784	896	1,051
Heavy Motor Car	19	25	64	106	67
Motor Cycle	79	236	395	509	1,384
Auto Cycle	932	3,917	5,482	6,940	10,044
Lorry and Truck	90	136	267	248	468
Van	172	437	559	656	826
Bus	23	203	262	154	106
Tractor and Dumper	70	66	110	81	104
Prime Mover	-	2	1	18	15
Trailer	22	68	62	75	59
Road Roller	-	-	11	2	-
Other <sup>2/</sup>	29	4	2	20	10
Total	2,469	7,255	9,840	11,245	16,323

<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, 1986 - 1990

Type of vehicle	1986	1987	1988	1989	1990
Car	543	766	656	887	917
Dual Purpose Vehicle	173	437	376	377	460
Heavy Motor Car	5	6	4	8	10
Motor Cycle	306	303	307	396	273
Auto Cycle	390	358	357	575	383
Lorry and Truck	99	204	288	229	372
Van	82	125	196	235	330
Bus	12	12	5	4	3
Tractor and Dumper	41	31	23	43	22
Prime Mover	12	13	22	3	6
Trailer	34	11	10	17	16
Road Roller	1	-	3	2	1
Other <sup>2/</sup>	3	-	1	4	1
Total	1,701	2,266	2,248	2,780	2,794

<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>, 1989 - 1990

Age-group (years)	Number of cars and dual purpose vehicles			
	As at 31st December 1989		As at 31st December 1990	
	Number	%	Number	%
Less than 5	11,795	27	14,988	32
5 less than 10	6,847	16	6,595	14
10 less than 15	6,883	16	7,406	16
15 and over	17,854	41	17,804	38
Total	43,379	100	46,793	100

<sup>1/</sup> 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 1.6 - Vehicles off the road <sup>1/</sup>during the year, 1986 - 1990

Type of vehicle	1986	1987	1988	1989	1990
Car	535	839	551	791	1,109
Dual purpose vehicle	72	105	84	96	94
Heavy motor car	1	-	5	7	6
Motor cycle	194	308	226	257	280
Auto cycle	477	510	782	852	1,114
Lorry and truck	68	121	78	105	182
Van	58	83	82	79	119
Bus	44	46	25	71	38
Tractor and dumper	36	20	60	59	48
Prime mover	2	-	9	3	18
Trailer	42	37	23	24	71
Road Roller	7	4	-	7	5
Other <sup>2/</sup>	-	-	-	1	1
Total	1,536	2,073	1,925	2,352	3,085

<sup>1/</sup> 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.

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

Table 1.7 - Age composition of operational bus fleet (public transport) <sup>1/</sup> as at 31st December, 1989 - 1990

Age- group (years)	as at 31st December 1989		as at 31st December 1990	
	Number	%	Number	%
Less than 5	679	43	710	43
5 less than 10	374	23	271	16
10 less than 15	404	25	493	30
15 less than 20	141	9	189	11
Total	1,598	100	1,663	100

<sup>1/</sup> 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

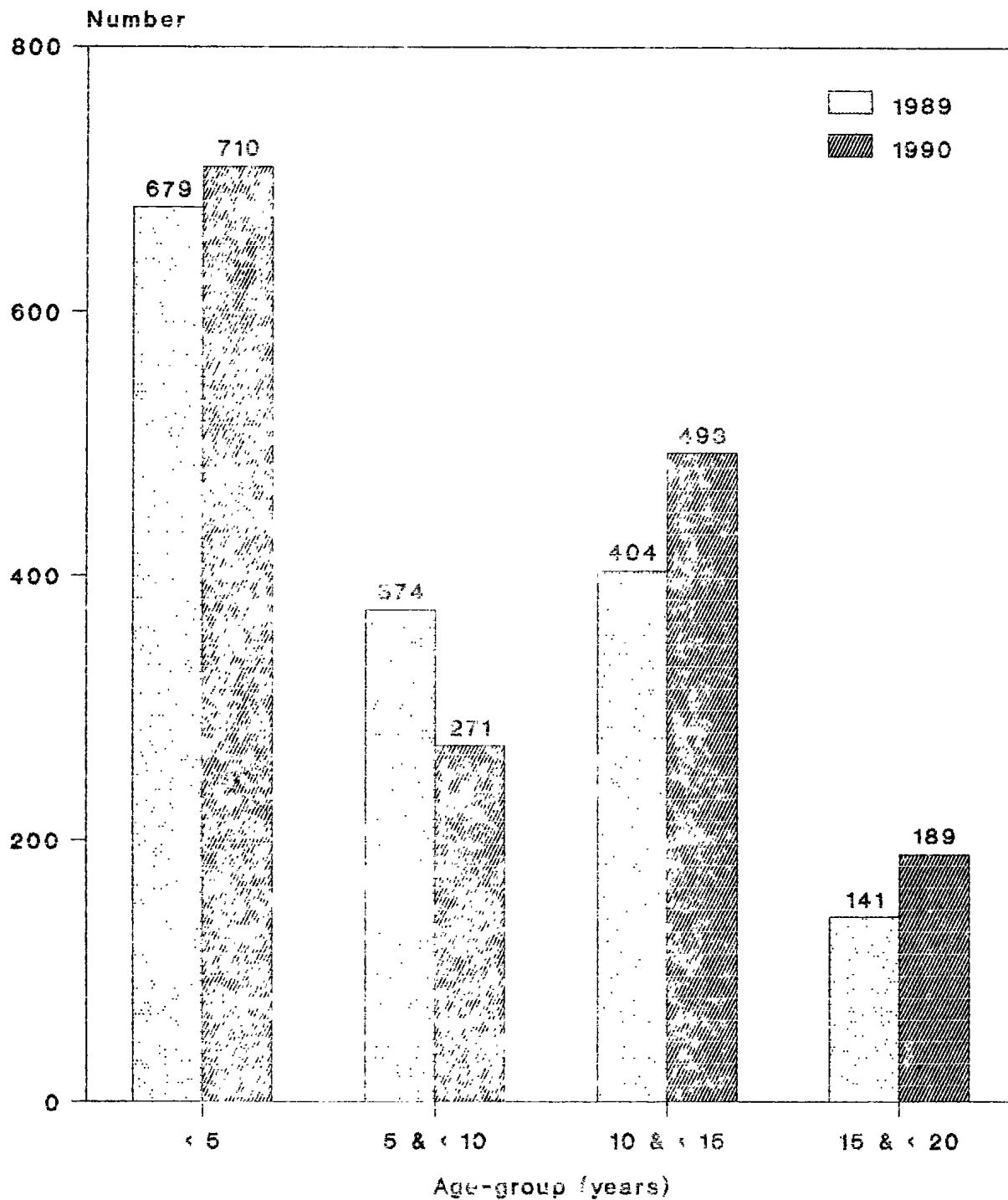


Table 1.8 - Bus operational statistics 1/, 1986 - 1990

	Unit	1986	1987	1988	1989	1990
Operational bus fleet (as at 30th June)	Number	1,072	1,143	1,418	1,576	1,641
Total vehicle-journeys	Thousand	3,413	3,611	3,903	3,914	3,968
Average vehicle-journeys per day	"	9.4	9.9	10.7	10.7	10.9
Total vehicle-kilometres	"	59,491	62,368	67,488	68,408	69,550
Average vehicle-kilometres per day	"	163	171	185	187	191
Total gross receipts	'000 Rs	342,700	564,000	430,000	504,000	564,000
Average gross receipt per day	'000 Rs	939	997	1,178	1,381	1,545

1/ 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

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

<sup>1/</sup> the fares are in rupees and cents

<sup>2/</sup> 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, 1986 - 1990

(Thousand Rupees)

Source of revenue	As at end of December				
	1986	1987	1988	1989	1990
Motor Vehicle Licences (Road Tax)	25,363	28,478	33,404	37,388	69,817
Examination of Vehicles	1,988	2,093	2,307	2,531	2,764
Public Service Vehicle and Carrier's Licences	1,687	2,334	2,547	2,751	3,470
Registration of Vehicles	1,051	1,571	1,941	2,004	2,384
Penalties/Surcharge	415	499	585	671	1,368
Issue of Special Route Permits	518	431	968	1,588	2,208
Motor Vehicles Dealers and Petrol Service Station Licences	83	117	252	273	221
T O T A L	31,105	35,523	42,004	47,206	82,232



Table 1.11 - Driving licences issued during the year by type of licence, 1986 - 1990

Number

Type of licence Year	Learner's licence						Competent licence						International licence		
	First issue			Renewal <sup>1/</sup>			First issue			Renewal <sup>1/</sup>			Male	Female	Both Sexes
	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes			
1986	8,842	1,686	10,528	41,470	1,928	43,398	6,804	1,070	7,874	39,532	2,159	41,691	2,361	457	2,818
1987	11,133	1,672	12,805	46,313	1,843	48,156	8,040	1,126	9,166	46,334	2,454	48,788	2,775	626	3,401
1988	14,816	2,000	16,816	52,096	1,996	54,092	6,276	918	7,194	49,811	2,994	52,805	2,900	492	3,392
1989	14,127	1,796	15,923	64,209	2,403	66,612	7,500	1,116	8,616	45,448	2,709	48,157	3,001	579	3,580
1990	14,743	970	15,713	--	--	--	12,411	1,055	13,466	--	--	--	3,465	570	4,035

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

Table 1.12 - Imports of vehicles and spare parts by country of origin, 1989 - 1990 (cont'd)

(C.I.F. Value Rs 000)

Item	Country of origin	Unit	1989		1990	
			Quantity	Value	Quantity	Value
<u>Passenger motor cars</u> of engine capacity not exceeding 1,100 c.c.	United Kingdom	Number	138	9,696	89	6,433
	France	"	68	5,598	111	10,743
	Italy	"	53	3,380	65	4,981
	Japan	"	163	11,169	353	23,893
	Other countries	"	26	1,518	6	401
			448	31,361	624	46,451
of engine capacity exceeding 1,100 c.c. but not exceeding 1,300 c.c.	United Kingdom	"	55	6,454	48	5,115
	France	"	355	33,832	382	39,360
	Germany Fed. Rep.	"	14	1,059	1	73
	Italy	"	23	2,035	15	1,311
	Japan	"	1,432	114,943	2,400	186,944
	Korea Republic	"	31	2,276	37	3,013
	Malaysia	"	-	-	129	12,448
	South Africa Rep.	"	44	3,197	13	677
	Other countries	"	6	365	2	211
				1,960	164,161	3,027

Table 1.12 - Imports of vehicles and spare parts by country of origin, 1989 - 1990 (cont'd)

(C.I.F. Value Rs 000)

Item	Country of origin	Unit	1989		1990	
			Quantity	Value	Quantity	Value
of engine capacity exceeding 1,300 c.c. but not exceeding 1,800 c.c.	United Kingdom	Number	25	3,159	26	2,911
	France	"	164	18,849	124	16,477
	Germany Fed. Rep.	"	83	12,750	101	21,948
	Japan	"	257	27,909	405	41,482
	Korea Rep.	"	18	1,719	3	331
	Malaysia	"	-	-	21	2,185
	South Africa Rep.	"	29	3,145	22	2,284
	Italy	"	11	1,103	15	1,696
	Other countries	"	5	309	5	509
				592	68,943	722
of engine capacity exceeding 1,800 c.c.	United Kingdom	"	14	5,963	10	3,686
	France	"	13	2,240	3	2,221
	Germany Fed. Rep.	"	92	29,529	42	12,388
	Japan	"	32	4,214	35	5,078
	South Africa Rep.	"	-	-	5	756
	Other countries	"	2	200	5	907
			153	42,146	100	25,036

Table 1.12 - Imports of vehicles and spare parts by country of origin, 1989 - 1990 (cont'd)

(C.I.F. Value Rs 000)

Item	Country of origin	Unit	1989		1990	
			Quantity	Value	Quantity	Value
Other, unspecified	Australia	Number	1	750	-	-
			1	750	-	-
Trucks and lorries, trucks of pick-up type, vans designed solely for the types which are not derived solely from ordinary passenger motor-car	United Kingdom	"	10	844	42	0,225
	France	"	37	5,075	11	1,930
	Germany Fed. Rep.	"	1	299	2	342
	India	"	28	3,615	49	9,891
	Italy	"	1	30	8	1,872
	Japan	"	258	22,078	478	60,133
	South Africa Rep.	"	104	10,860	45	4,633
	China	"	6	3,800	-	-
	Brazil	"	-	-	10	864
	Other countries	"	13	984	2	1,433
				458	47,585	647

Table 1.12 - Imports of vehicles and spare parts by country of origin, 1989 - 1990 (cont'd)

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

Item	Country of origin	Unit	1989		1990	
			Quantity	Value	Quantity	Value
Public service type passenger motor vehicles	India	Number	84	27,059	36	8,754
	Japan	"	113	22,161	140	23,355
	Korea Rep.	"	-	-	2	384
	South Africa Rep.	"	-	-	2	590
	France	"	1	281	1	674
Road tractors for semi-trailers	United Kingdom	"	198	49,501	181	33,757
	France	"	1	153	-	-
	Japan	"	10	7,417	3	2,665
	South Africa Rep.	"	1	124	-	-
		"	-	-	7	4,171
Dumpers	United Kingdom	"	12	7,694	10	6,834
	France	"	64	5,952	42	4,788
	India	"	3	53	2	247
	China	"	-	-	2	1,117
	Japan	"	8	2,539	2	35
	South Africa Rep.	"	2	26	2	502
	Singapore	"	5	5,187	10	4,856
		"	2	194	1	51
			84	13,953	61	11,596

Table 1.12 - Imports of vehicles and spare parts by country of origin, 1989 - 1990 (cont'd.)  
(C.I.F. Value Rs 000)

	Country of origin	Unit	1989		1990		
			Quantity	Value	Quantity	Value	
Other motor vehicles for the transport of goods or materials of an engine capacity up to 1100 c.c.  of an engine capacity exceeding 1,100 c.c but not exceeding 1,300 c.c  of an engine capacity exceeding 1,300 c.c but not exceeding 1,800 c.c	France	Number	1	61			
	United Kingdom	"	-	-		183	
	United Kingdom	"	1	61	1	183	
	Uganda	"	1	52	1	59	
	U.S.A	"	1	35	-	-	
	Japan	"	1	51	-	-	
	South Africa Rep.	"	6	281	13	672	
	Germany Fed. Rep.	"	1	37	3	128	
		"	1	51	1	34	
				11	508	18	893
	of an engine capacity exceeding 1,300 c.c but not exceeding 1,800 c.c	France	"	1	149	1	128
Germany Fed. Rep.		"	1	92	-	-	
Japan		"	1	76	2	132	
India		"	-	-	1	78	
South Africa Rep.		"	1	36	-	-	
United Kingdom		"	2	334	2	95	
			6	686	6	433	

Table 1.12 - Imports of vehicles and spare parts by country of origin, 1989 - 1990 (cont'd)  
(C.I.F. Value Rs 000)

Item	Country of origin	Unit	1989		1990	
			Quantity	Value	Quantity	Value
of an engine capacity exceeding 1,800 c.c	Japan	Number	-	-	29	4,154
	Germany Fed. Rep.	"	2	205	-	-
	Australia	"	2	449	-	-
	India	"	5	979	-	-
			9	1,633	29	4,154
special purpose motor vehicles and vans	United Kingdom	"	37	10,308	77	26,580
	France	"	16	13,120	14	16,327
	Germany Fed. Rep.	"	18	7,264	12	5,602
	India	"	8	2,701	6	580
	Italy	"	5	1,489	6	2,003
	Japan	"	3	1,910	2	310
	Australia	"	8	2,503	2	790
	South Africa Rep.	"	-	-	56	459
	Other countries	"	15	14,341	14	14,488
			110	53,636	189	67,139

Table I.12 - Imports of vehicles and spare parts by country of origin, 1989 - 1990 (cont'd) (C.I.F. Value Rs 000)

Item	Country of origin	Unit	1989		1990	
			Quantity	Value	Quantity	Value
Motor cycles, scooters and auto cycles	France	Number	1,454	11,756	2,103	19,228
	China	"	369	1,225	241	806
	India	"	2,638	10,311	7,379	32,211
	Italy	"	666	5,107	325	2,824
	Japan	"	800	10,230	1,354	16,824
	Czechoslovakia	"	504	1,842	301	1,177
	Korea Rep.	"	-	-	75	437
	Taiwan	"	59	188	-	-
	Belgium	"	-	-	40	564
	Spain	"	328	3,145	-	-
	Other countries	"	11	844	7	33
			6,829	44,652	11,825	74,154
Cycles not motorised	United Kingdom	"	159	475	301	689
	France	"	250	647	129	396
	Germany Fed. Rep.	"	150	340	145	398
	Italy	"	639	675	1,612	1,735
	India	"	1,134	579	1,554	1,457
	Malaysia	"	905	1,152	900	999
	China	"	14,934	10,136	16,400	8,679
	U.S.A.	"	-	-	480	203
	Taiwan	"	17,290	11,984	19,700	11,723
	Hong Kong	"	-	-	600	372
	Other countries	"	163	527	545	47
		35,624	26,415	41,856	26,698	



Table 1.12 - Imports of vehicles and spare parts by country of origin, 1989 - 1990 (cont'd)

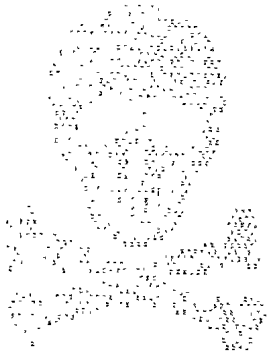
(C.I.F. Value Rs 000)

Item	Country of origin	Unit	1989		1990	
			Quantity	Value	Quantity	Value
Chassis fitted with engines for tractors, and for motor vehicles	Japan	Number	804	116,710	895	150,677
	India	"	21	3,605	56	12,822
	South Africa Rep.	"	2	175	4	533
	Italy	"	6	2,086	4	1,110
	France	"	14	11,825	11	12,234
	United Kingdom	"	52	14,878	185	34,002
	Korea Rep.	"	12	9,927	16	5,605
	Other countries	"	12	9,547	15	12,213
				1,196	209,210	
Parts and accessories for tractors and for motor vehicles	United Kingdom	Metric ton	755	30,426	716	32,491
	France	"	206	12,680	167	13,066
	Germany Fed. Rep.	"	45	5,307	53	9,482
	Italy	"	6	828	31	5,193
	India	"	82	5,692	76	6,714
	South Africa Rep.	"	101	4,592	167	6,882
	U.S.A.	"	33	3,856	-	-
	Japan	"	131	15,661	120	19,904
	Other countries	"	64	8,103	74	9,408
			1,423	87,145	1,404	105,140

Table 1.12 -- Imports of vehicles and spare parts by country of origin, 1989 - 1990

(C.I.F. Value Rs 000)

Item	Country of origin	Unit	1989		1990	
			Quantity	Value	Quantity	Value
Parts n.e.s and accessories for motor cycles, scooters and auto cycles	France	Metric ton	5.7	1,340	6.5	1,760
	Italy	"	2.7	745	7.5	1,356
	India	"	37.0	888	118.2	4,233
	China	"	40.4	1,203	61.2	1,532
	Taiwan	"	107.7	10,125	67.0	7,315
	Japan	"	43.8	7,858	68.0	12,225
	Czechoslovakia	"	4.5	255	-	-
	Spain	"	-	-	1.1	154
	Hong Kcng	"	-	-	11.2	247
	Other countries	"	1.6	307	2.1	388
				243.4	22,721	342.8



**RESEARCH**

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Part II Road Traffic Accidents  
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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, 1986 - 1990

Year	Accidents	Motor-vehicles involved	Casualties	Population (mid-year)	Motor-vehicles registered (mid-year)
1986	5,707	9,410	2,834	993,851	76,612
1987	7,059	11,869	3,294	1,003,794	80,893
1988	8,259	14,153	3,004	1,016,596	90,647
1989	9,065	15,489	3,141	1,031,443	101,816
1990	10,316	17,562	3,575	1,036,833	114,708

Number

Table 2.2 - Accident rate, 1986 - 1990

Year	Accidents			Motor-vehicles involved	
	Number	Per 100,000 population	Per 1,000 registered motor-vehicles	Number	Per 1,000 registered motor-vehicles
1986	5,707	574	74	9,410	123
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	153

Fig. 2.1 - Number of road traffic accidents  
(1985-1990)

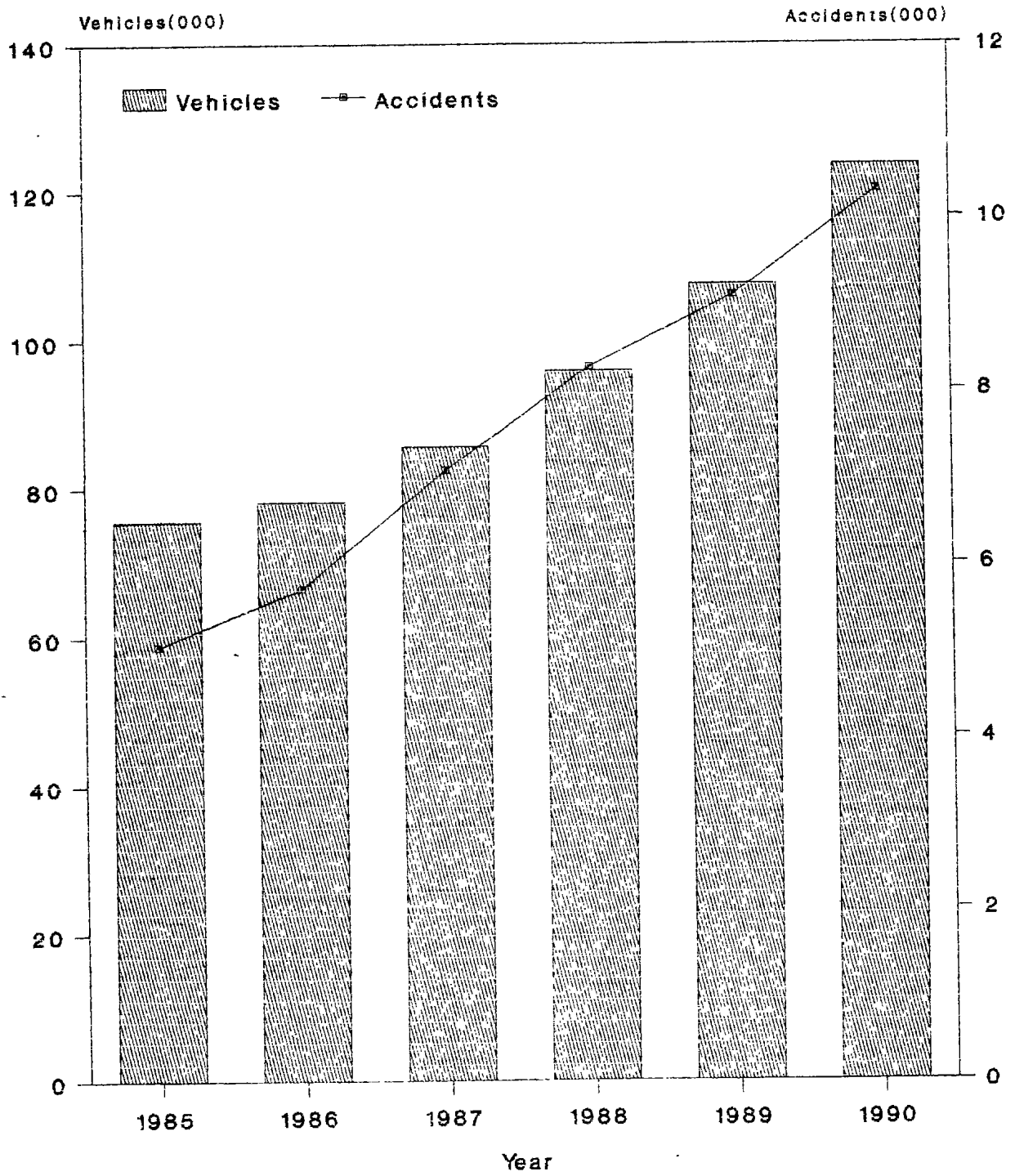


Table 2.3 - Fatalities and fatality index<sup>1/</sup>, 1986 - 1990

Year	F a t a l i t i e s			Fatality index
	Number	Per 100,000 population	Per 1,000 registered motor-vehicles	
1986	109	11.0	1.4	3.8
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

<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, 1986 - 1990

Year	Degree of injury			Injuries	
	Serious	Slight	Total injured	Per 100,000 population	Per 1,000 registered motor-vehicles
1986	226	2,499	2,725	274.2	35.6
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



Table 2.5 - Accidents, motor-vehicles/pedestrians involved and casualties by police district, 1989 - 1990

Police district	Number							
	Accidents		Motor-vehicles involved		Pedestrians involved		Casualties	
	1989	1990	1989	1990	1989	1990	1989	1990
Fort Louis (South)	1,561	1,619	2,853	2,966	171	235	255	304
Fort Louis (North)	1,075	1,292	1,790	2,203	158	177	437	518
Famplencousses/Rivière du Rempart	971	1,111	1,548	1,782	125	140	476	619
Moka/Flacq	1,001	1,247	1,612	2,025	135	155	484	431
Grand Port/Savanne	697	926	1,065	1,425	140	155	523	699
Upper Plaines Wilhems	1,502	1,572	2,629	2,687	177	189	380	397
Plaines Wilhems/Black River	2,278	2,549	3,992	4,474	269	267	586	607
Whole Island	9,085	10,316	15,489	17,562	1,175	1,318	3,141	3,575

Table 2.6 - Accidents, motor-vehicles/pedestrians involved and casualties by police district by semester, 1990

Number

Police district	Accidents		Motor-vehicles involved		Pedestrians involved		Casualties	
	Jan-June	July-Dec	Jan-June	July-Dec	Jan-June	July-Dec	Jan-June	July-Dec
Port Louis (South)	755	864	1,394	1,572	141	94	120	184
Port Louis (North)	604	688	1,030	1,173	78	99	240	278
Pamplemousses/Rivière du Rempart	491	620	778	1,004	61	79	326	293
Moka/Flacq	523	724	862	1,163	61	94	160	271
Grand Port/Savanne	387	539	576	849	79	76	341	358
Upper Plaines Wilhems	730	842	1,239	1,448	91	98	189	208
Plaines Wilhems/Black River	1,163	1,386	2,042	2,432	137	130	266	341
Whole Island	4,653	5,663	7,921	9,641	648	670	1,642	1,933

Table 2.7 - Daily and hourly distribution of accidents, 1990

Number

Time (hour)	Day							Total
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	
0	10	5	5	7	8	8	16	62
1	8	6	4	6	2	13	22	61
2	5	4	2	6	4	8	8	37
3	3	4	3	4	4	8	17	43
4	4	3	1	8	1	5	15	37
5	7	10	8	12	13	16	13	79
6	30	37	39	29	34	22	30	221
7	106	87	88	92	84	59	39	555
8	141	127	112	113	116	83	70	762
9	103	93	83	79	82	79	81	600
10	92	96	90	68	88	107	94	635
11	92	81	84	78	76	115	94	620
12	119	81	71	67	96	124	74	632
13	94	81	89	83	79	107	78	611
14	93	78	93	74	101	85	107	631
15	128	114	116	112	114	104	85	773
16	156	128	129	127	139	80	108	867
17	136	142	132	107	156	123	118	914
18	73	74	77	69	77	101	112	583
19	67	68	76	66	70	110	136	593
20	51	50	42	47	57	58	86	391
21	42	41	39	34	31	59	41	287
22	19	20	20	24	30	47	30	190
23	15	8	6	13	28	38	24	132
24								
TOTAL	1,594	1,441	1,409	1,325	1,490	1,559	1,498	10,316

Fig. 2.2 - NUMBER OF ACCIDENTS BY DAY OF WEEK 1990

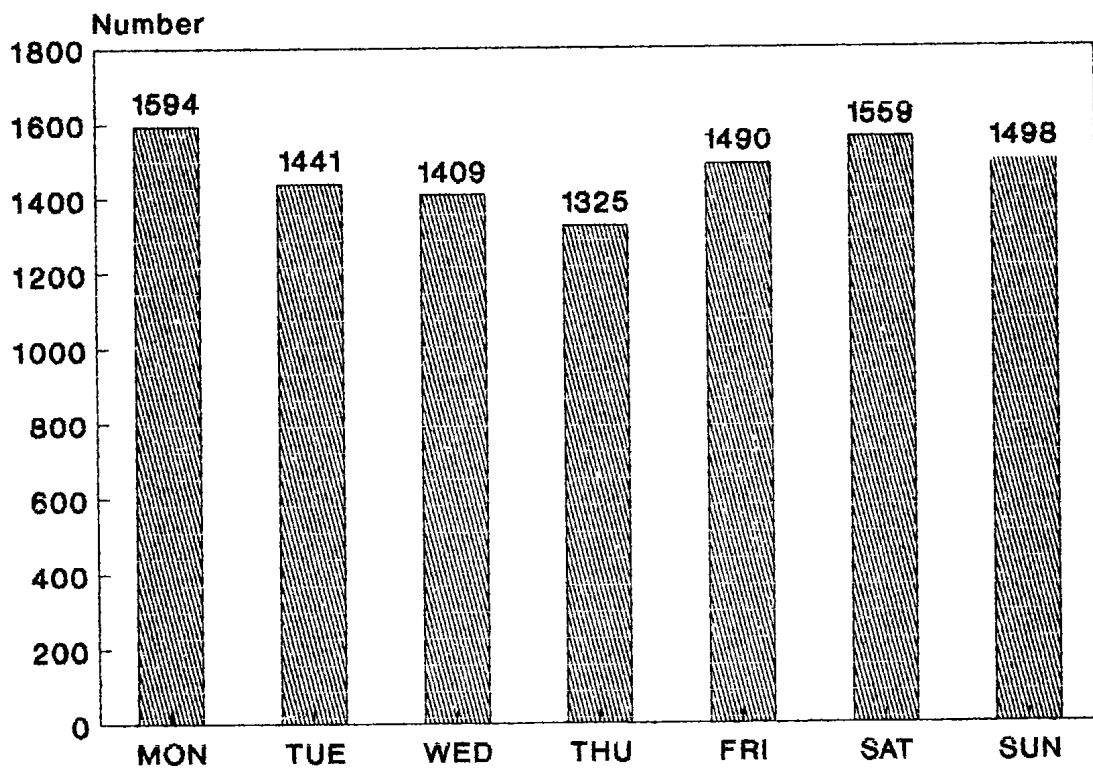


Fig. 2.3 - NUMBER OF ACCIDENTS BY TIME OF DAY 1990

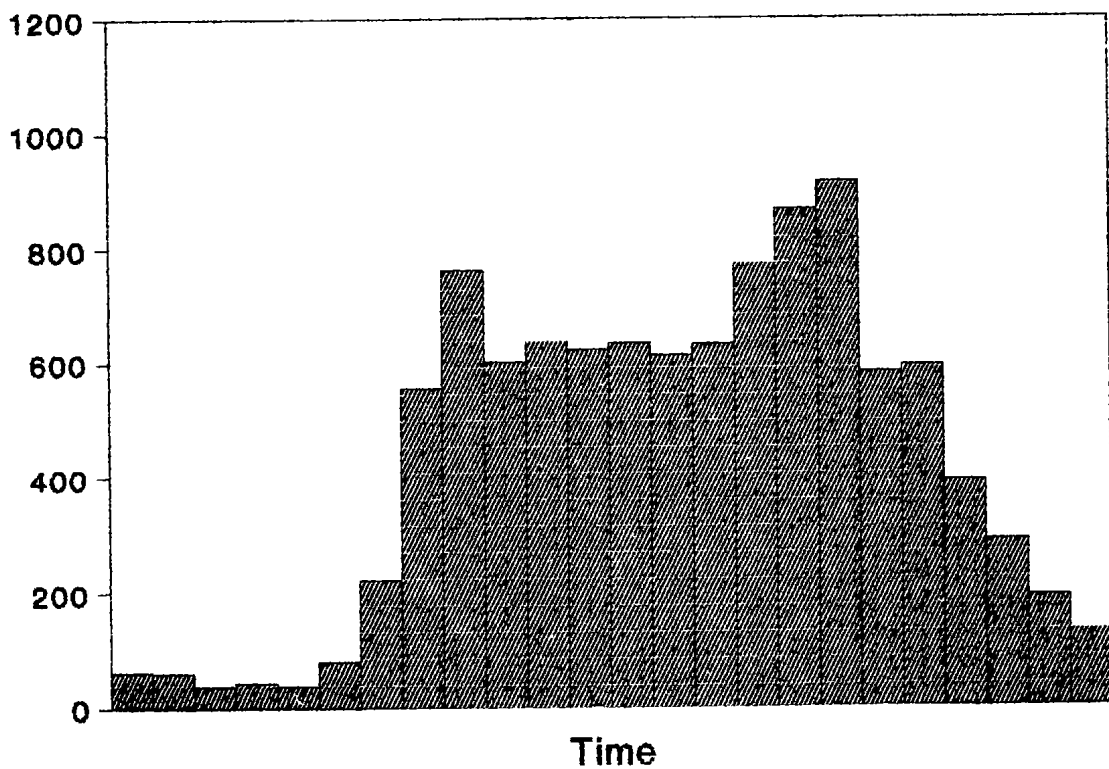


Table 2.8 - Number of accidents by severity of accident and number of casualties, 1990

Number of casualties	Severity of accident				
	Fatal	Serious	Slight	No injury	Total
0	-	-	-	7,784	7,784
1	100	184	1,872	-	2,156
2	14	35	211	-	260
3	6	6	36	-	48
4	4	3	18	-	25
5 or more	6	7	30	-	43
Total	130	235	2,167	7,784	10,316

Table 2.9 - Number of accidents by severity of accident and number of vehicles involved, 1990

Number of vehicles involved	Severity of accident				
	Fatal	Serious	Slight	No injury	Total
1	95	172	1,569	1,450	3,286
2	34	58	575	6,162	6,829
3	1	5	21	163	190
4 or more	-	-	2	9	11
Total	130	235	2,167	7,784	10,316

Table 2.1C - Number of accidents by severity of accident and police district, 1989 - 1990

Police district	1989						1990					
	Severity of accident						Severity of accident					
	Fatal	Serious	Slight	No injury	Total	Fatal	Serious	Slight	No injury	Total		
Fort Louis (South)	16	12	201	1,332	1,561	10	9	233	1,367	1,619		
Fort Louis (North)	13	53	293	716	1,075	24	58	306	904	1,292		
Fanplemousses/Rivière du Rempart	19	30	295	629	971	21	39	377	714	1,111		
Moka/Flacq	16	25	247	713	1,001	17	12	285	933	1,247		
Grand Fort/Savanne	20	42	248	387	697	18	46	289	575	926		
Upper Flaines Wilkems	13	11	291	1,187	1,502	17	24	286	1,245	1,572		
Plaines Wilkems/Black River	19	24	433	1,802	2,278	23	47	431	2,048	2,549		
Whole Island	116	197	2,006	6,766	9,085	130	235	2,167	7,784	10,316		

Table 2.11 - Number of accidents by severity of accident and conditions of weather, 1989 - 1990

Weather condition	1989					1990				
	Severity of accident					Severity of accident				
	Fatal	Serious	Slight	No Injury	Total	Fatal	Serious	Slight	No Injury	Total
Fine	98	178	1,794	6,153	8,223	120	213	2,042	7,425	9,800
Rainy	13	15	204	597	829	10	20	122	351	503
Fog/mist	3	1	1	6	11	-	-	1	2	3
Other	2	3	7	10	22	-	2	2	6	10
All conditions	116	197	2,006	6,766	9,085	130	235	2,167	7,784	10,316

Table 2.12 - Number of accidents by severity of accident and light conditions, 1989 - 1990

Light conditions	1989					1990				
	Severity of accident					Severity of accident				
	Fatal	Serious	Slight	No injury	Total	Fatal	Serious	Slight	No injury	Total
Daylight	76	138	1,500	5,406	7,120	80	150	1,618	6,401	8,249
Dark-no street lighting	17	19	159	324	519	20	31	174	407	632
Dark-street light on	21	36	339	1,010	1,406	30	52	353	943	1,378
Dark-street light off	2	4	8	26	40	-	2	22	33	57
All conditions	116	197	2,006	6,766	9,085	130	235	2,167	7,784	10,316



Table 2.13 - Number of accidents by severity of accident and apparent cause of accident, 1989 - 1990

Apparent cause of accident	1989				1990				
	Severity of accident				Severity of accident				
	Fatal	Serious	Slight	No injury	Fatal	Serious	Slight	No injury	Total
Speeding	13	10	99	210	19	18	101	259	397
Improper overtaking	7	7	66	300	3	8	76	291	378
Signal violation	-	2	3	14	-	1	10	12	23
Followed too closely	-	2	27	311	-	2	49	311	362
Vehicle skidded	8	18	107	262	5	19	143	305	472
Improper signing	-	4	17	65	1	2	17	54	74
Inefficient brake	1	-	10	27	-	1	19	23	43
Burst tyres	-	-	7	14	-	1	5	20	26
Careless driving	51	88	993	5,091	58	104	1,016	5,899	7,077
Negligence of pedestrian	26	55	461	68	33	55	461	64	613
Other mechanical defect	4	2	25	61	-	3	18	36	57
Other causes	6	9	191	343	11	21	252	510	794
All causes	116	197	2,006	6,766	130	235	2,167	7,784	10,316

Table 2.14 - Number of accidents by severity of accident on different type of roads, 1990

Type of road	Length of roads (kms)	Severity of accident				Total
		Fatal	Serious	Slight	No injury	
Motor-way	29	10	10	108	605	733
Main road	856	53	104	742	2,555	3,454
Secondary road	577	33	54	578	1,471	2,136
Other road	339	34	67	739	3,153	3,993
All roads	1,801	130	235	2,167	7,784	10,316

Table 2.15 - Number of accidents by severity of accident and road characteristics, 1989 - 1990

Road Characteristic	1989					1990				
	Severity of accident					Severity of accident				
	Fatal	Serious	Slight	No injury	Total	Fatal	Serious	Slight	No injury	Total
Straight	90	165	1,549	5,605	7,409	101	176	1,702	6,335	8,314
Curve	13	19	203	448	683	17	24	209	603	853
Roundabout	1	2	43	151	197	1	4	38	157	200
Hill crest	5	3	21	51	80	3	4	30	64	101
Signalised intersection	2	-	11	61	74	3	2	25	63	93
Uncontrolled junction	2	7	147	320	476	3	10	94	314	421
Road works present	2	-	6	17	25	1	5	20	41	67
Defective road surface	-	1	16	38	55	-	2	19	38	59
Other	1	-	10	75	86	1	8	30	169	208
All characteristics	116	197	2,006	6,766	9,085	130	235	2,167	7,784	10,316

Table 2.16 - Number of vehicles <sup>1/</sup> involved in accidents by type of vehicle,  
1989 - 1990

Type of vehicle	1989		1990	
	Number of vehicles	%	Number of vehicles	%
Private car	6,814	42.7	7,390	41.0
Taxi car	1,489	9.3	1,675	9.3
Bus	1,817	11.4	1,843	10.2
Lorry	1,200	7.5	1,398	7.8
Van	1,828	11.5	2,213	12.3
Motor/Auto cycle	2,225	13.9	2,944	16.3
Pedal cycle	473	3.0	431	2.4
Other motor vehicle	100	0.6	89	0.5
Other non-motor vehicle	12	0.1	28	0.2
All vehicles	15,958	100.0	18,011	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  
1990

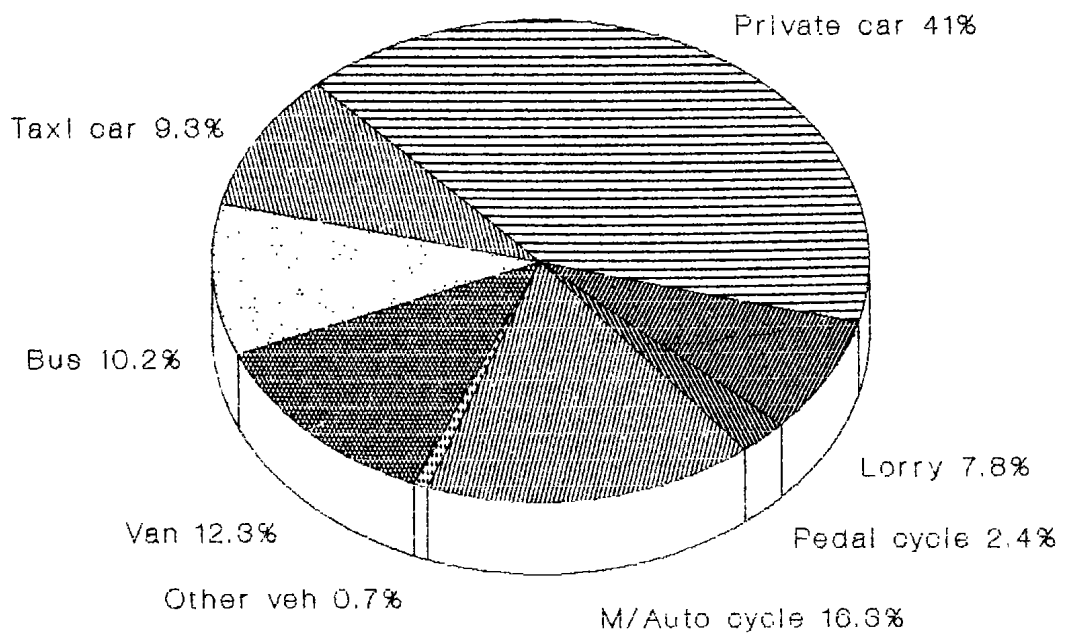


Table 2.17 - Number of motor-vehicles 1/ involved in accidents by type of vehicle and nature of damage, 1989 - 1990

Type of vehicle	Nature of damage							
	Seriously damaged		Slightly damaged		No damage		Total	
	1989	1990	1989	1990	1989	1990	1989	1990
Private car	195	251	6,042	6,512	577	627	6,814	7,390
Taxi car	50	49	1,325	1,511	114	115	1,489	1,675
Bus	22	37	1,516	1,552	279	254	1,817	1,843
Lorry	27	40	885	1,100	288	258	1,200	1,398
Van	51	64	1,642	1,985	135	164	1,828	2,213
Motor/Auto cycle	42	72	1,994	2,661	189	211	2,225	2,944
Other motor-vehicle	2	1	53	53	45	30	100	84
All vehicles	389	514	13,457	15,374	1,627	1,659	15,473	17,547

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

Table 2.18 - Number of drivers and riders 1/ involved in accidents by age-group and sex, 1990

Age-group (years)	Drivers			Riders			Total		
	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes
15 - 18	29	3	32	124	8	132	153	11	164
19 - 24	1,341	34	1,375	728	6	734	2,069	40	2,109
25 - 34	5,266	88	5,354	1,194	5	1,199	6,460	93	6,553
35 - 44	4,465	68	4,533	502	2	504	4,967	70	5,037
45 - 54	1,744	31	1,775	201	1	202	1,945	32	1,977
55 - 60	483	5	488	59	-	59	542	5	547
Over 60	342	4	346	34	-	34	376	4	380
All ages	13,670	233	13,903	2,842	22	2,864	16,512	255	16,767

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, 1989 - 1990

Driving experience	1989			1990		
	Number of drivers/riders			Number of drivers/riders		
	Male	Female	Both sexes	Male	Female	Both sexes
No licence	11	-	11	30	3	33
Learner driver's licence	238	6	244	299	3	302
Licence with less than 2 years experience	383	13	396	427	15	442
Licence with more than 2 years experience	14,043	259	14,302	15,759	234	15,993
All categories	14,675	278	14,953	16,515	255	16,770



Table 2.20 - Casualties by class of road users, 1989 - 1990

Class of road users	1989		1990	
	Casualties		Casualties	
	Number	%	Number	%
Pedestrian	1,045	33	1,125	32
Passenger	866	28	968	27
Driver	257	8	261	7
Rider	643	20	928	26
Pedal cyclist	350	11	293	8
ALL road users	3,141	100	3,575	100

Fig. 2.5 - Casualties by class of road users  
(1990)

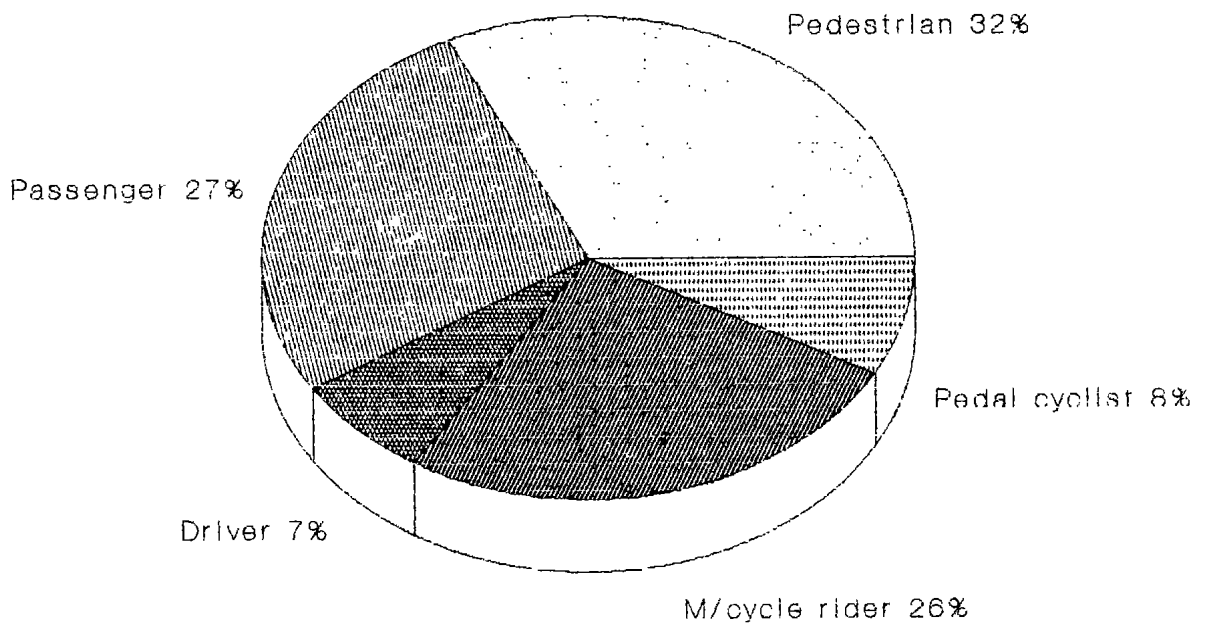


Table 2.21 - Number of casualties by degree of injury and class of road users, 1989 - 1990

Class of road users	1989				1990			
	Degree of injury				Degree of injury			
	Fatal	Seriously injured	Slightly injured	Total	Fatal	Seriously injured	Slightly injured	Total
Pedestrian	54	90	901	1,045	72	107	946	1,125
Passenger	29	56	781	866	19	60	889	968
Driver	7	20	210	237	12	35	214	261
Rider	29	60	554	643	27	87	814	928
Pedal cyclist	11	24	315	350	14	26	253	293
ALL road users	130	250	2,761	3,141	144	315	3,116	3,575

Table 2.22 - Number of casualties by age-group and sex, 1990

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	45	40	85	23	18	41	-	-	-	68	58	126
7 - 12	111	74	185	87	81	168	17	-	17	215	155	370
13 - 20	66	52	118	62	26	88	178	12	190	306	90	396
21 - 40	294	123	417	398	173	571	1,006	23	1,029	1,698	319	2,017
41 - 50	93	50	143	43	22	65	138	4	142	274	76	350
51 - 60	50	41	91	5	22	27	74	-	74	129	63	192
Over 60	47	39	86	4	4	8	30	-	30	81	43	124
All ages	706	419	1,125	622	346	968	1,443	39	1,482	2,771	804	3,575

Table 2.23 - Pedestrian casualties by age group, 1989 - 1990

Age-group (years)	1989			1990		
	Population (mid-year)	Pedestrian casualties		Population (mid-year)	Pedestrian casualties	
		Number	Per 100,000 population		Number	Per 100,000 population
Under 7	132,109	73	55	132,365	85	64
7 - 12	135,776	193	142	134,068	185	138
13 - 20	153,764	123	80	153,490	118	77
21 - 40	370,617	401	108	370,474	417	113
41 - 50	92,522	100	108	99,047	143	144
51 - 60	69,991	74	106	69,229	91	131
Over 60	76,664	81	106	78,160	86	110
All ages	1,031,443	1,045	101	1,036,833	1,125	108



**FRONT**

**FRONT**

**FRONT**

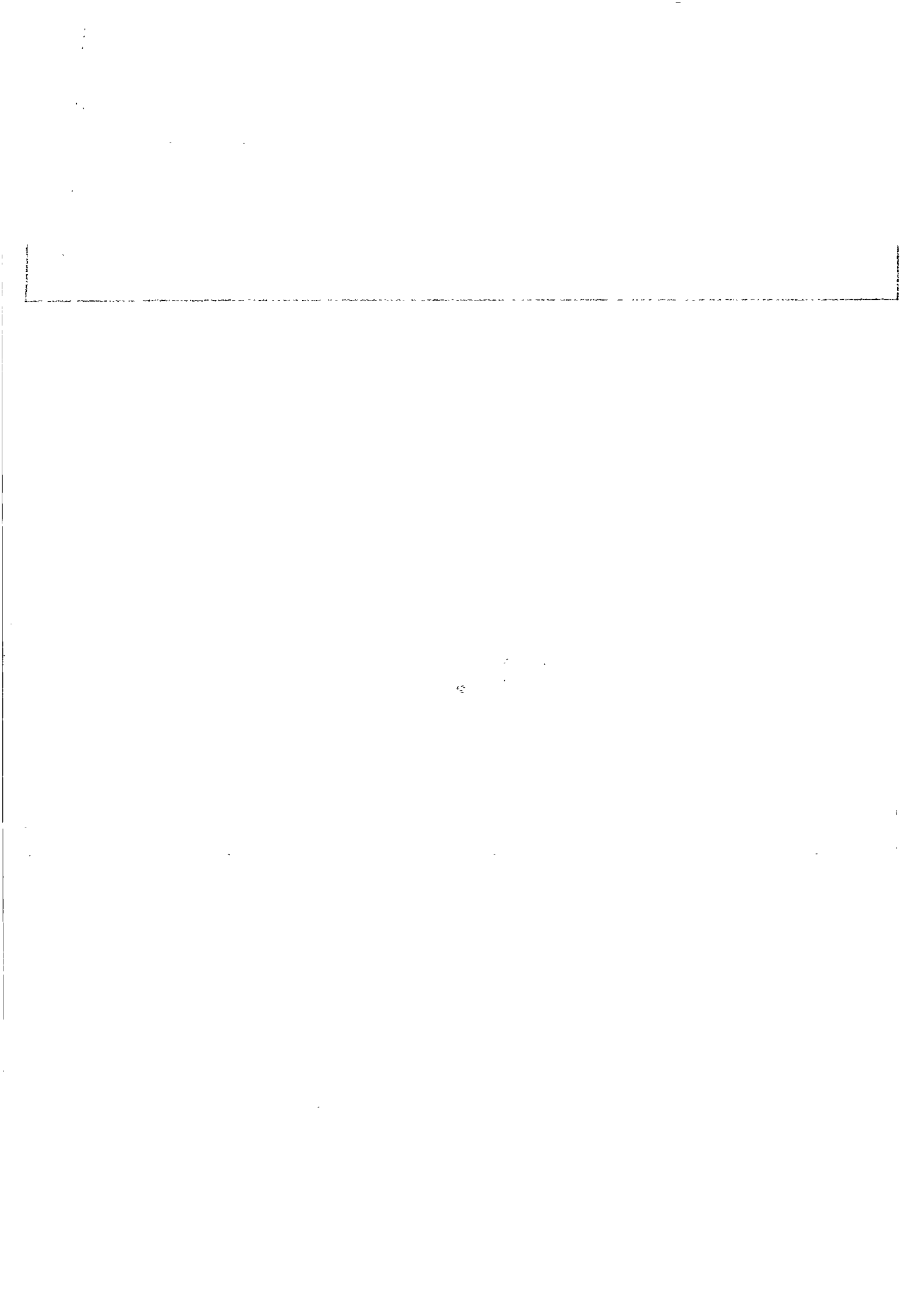


Table 3.1 - Evolution of price of gasoline and gas oil, 1983 - 1990

Year (as at end of .....)	Gasolene		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

<sup>1/</sup> as from mid-September



Table 3.2 - Sales (quantity) of gasoline and gas-oil, 1983 - 1990

YEAR	Gasolene		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	64,890	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	64,671	141.9	91,043	143.4
1989	74,000	162.9	96,183	151.5
1990	83,048	182.2	108,231	170.5

Source : Main distributors

Table 3.3 - Imports of motor spirit and gas oil by country of origin, 1989 - 1990

(C.I.F. Value Rs 000)

Item	Country of origin	Unit	1989		1990	
			Quantity	Value	Quantity	Value
Motor spirit (Gasoline)	Bahrain	Thousand litres	76,057	174,299	63,634	183,335
	Other countries	"	-	-	14,197	54,324
Gas oil	Bahrain	"	76,057	174,299	77,831	237,659
	Bahrain	"	90,521	203,038	80,532	216,935
	Kuwait	"	101,599	228,343	60,966	152,377
	Other countries	"	-	-	40,226	154,878
			192,120	431,381	181,724	504,190

Table 3.4 - Imports of lubricating oils and greases by country of origin, 1989 - 1990

(C.I.F. Value Rs 000)

Item	Country of origin	Unit	1989		1990		
			Quantity	Value	Quantity	Value	
Lubricating oils containing not less than 70% by weight of petroleum products	Belgium	Thousand litres	148	1,427	145	1,700	
	France	"	475	6,464	700	9,668	
	Germany Fed. Rep.	"	76	1,064	35	1,133	
	Italy	"	313	3,409	57	819	
	Japan	"	11	265	17	533	
	Kenya	"	42	591	72	1,049	
	Netherlands	"	-	-	13	194	
	South Africa Rep.	"	4,591	47,803	4,635	51,646	
	United Kingdom	"	473	4,809	105	1,757	
	United States	"	24	305	11	332	
	Singapore	"	-	-	234	2,730	
	Other countries	"	16	749	12	450	
				6,169	66,886	6,036	72,064
	Lubricating greases containing not less than 70% by weight of petroleum products	France	Metric tons	10.3	469	36.3	899
Germany Fed. Rep.		"	3.0	129	0.5	107	
Italy		"	25.6	525	3.2	72	
South Africa Rep.		"	110.9	1,751	134.1	2,373	
United Kingdom		"	1.4	76	0.3	70	
Australia		"	2.1	236	3.1	333	
Other countries		"	0.9	81	2.8	201	
			154.2	3,267	180.1	4,055	

MINISTRY OF WORKS  
TRAFFIC MANAGEMENT UNIT  
ACCIDENT REPORT FORM

ORIGINAL

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/finder/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.....

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 [ ] [ ] [ ] [ ] [ ] [ ]  
(2) a learner driver's licence [ ] [ ] [ ] [ ] [ ] [ ]  
(3) a licence with less than 2 years' experience [ ] [ ] [ ] [ ] [ ] [ ]  
(4) a licence with more than 2 years' experience [ ] [ ] [ ] [ ] [ ] [ ]

6. SEVERITY OF CASUALTY

	Number	
	Fatal	Serious
(1) Pedestrians	[ ]	[ ]
(2) Pedal Cyclists	[ ]	[ ]
(3) Riders (auto/motor cycles)	[ ]	[ ]
(4) Drivers (motor vehicles)	[ ]	[ ]
(5) Passengers	[ ]	[ ]

7. AGE GROUP AND SEX OF CASUALTIES

	Pedestrians		Passengers		Drivers/Riders/Cyclists	
	Male	Female	Male	Female	Male	Female
(1) Under 7 yrs	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(2) 7-12 years	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(3) 13-20 years	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(4) 21-40 years	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(5) 41-50 years	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(6) 51-60 years	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
(7) over 60 years	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

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

POLICE STATION.....  
TIME Day Month Year [ ] [ ] [ ] [ ] [ ] [ ]  
Card No. [ ] [ ] [ ] [ ] [ ] [ ]  
1.2 Day of week [ ]  
1. Sunday 3. Tuesday 5. Thursday  
2. Monday 4. Wednesday 6. Friday  
7. Saturday  
Hrs Min [ ] [ ]  
24 hours

3. EXACT LOCATION OF ACCIDENT  
3.1 Name of village or town.....  
3.2 Name of street or road.....  
3.3 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 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  
Vehicle No. 1 vs Vehicle No. 2 or Pedestrian vs [ ] [ ]  
(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 [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]