

**Vol. 10**



**REPUBLIC OF MAURITIUS**

**Ministry of Economic Planning and Development**

**CENTRAL STATISTICAL OFFICE**

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**DIGEST OF  
ROAD TRANSPORT  
STATISTICS  
1993**

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ROAD TRANSPORT  
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# Digest of Road Transport Statistics - 1993

## FOREWORD

This is the tenth 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 relating to the island of Mauritius. 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 1994. 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.

(S.Basant Rai)

Director of Statistics

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## **NOTES**

### **ABBREVIATIONS**

The following abbreviations are used:

No.	:	Number
000	:	Thousand
%	:	Percentage
km	:	Kilometre
sq	:	square
M/ton	:	Metric ton : 1,000 kilos
Rs	:	Rupees
c.i.f	:	Cost, insurance and freight
n.e.s	:	Not elsewhere specified
L	:	Litre

### **SYMBOLS**

-- Nil or negligible

— Not available

\* \* \* \* \*

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## **SUMMARY DATA (Island of Mauritius)**

### **A. GENERAL**

		1992	1993
(1) Population (mid-year)	(Number)	1,049,967	1,062,810
(2) Area	(sq km)	1,865	1,865
(3) Length of roads	(km)	1,831	1,881
(4) Gross National Product (at factor cost) (Rs million)		40,030	43,568

### **B. VEHICLE AND ROAD TRAFFIC ACCIDENT STATISTICS (Number)**

	1992	1993	% change
(1) Vehicles on register:	155,320	168,158	+ 8.3
Two-wheelers	77,736	85,540	+ 10.0
(2) Road Accidents			
Total recorded accidents:	14,371	14,652	+ 2.0
Fatal	110	130	+ 18.2
Serious injury	276	226	(-18.1)
Other injury	2,828	2,819	(- 0.3)
Non injury	11,157	11,477	+ 2.9
(3) Number of vehicles involved	24,549	25,240	+ 2.8
(4) Total casualties:	4,395	4,160	(-5.4)
Fatal	119	157	+ 31.9
Seriously injured	378	322	(-14.8)
Other injured	3,898	3,681	(- 5.6)



## PART I

# VEHICLE STATISTICS

## Part I - Vehicle Statistics 1/

### Definitions

Definitions as stipulated in Section 4 of Road Traffic Act of 1962 for types of vehicles .

#### 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 2½ 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 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.

1/ excludes pedal cycles

4. **Auto-Cycles**

That is to say, bicycles which have pedals and a motor attached which can be propelled by means of those pedals any 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.

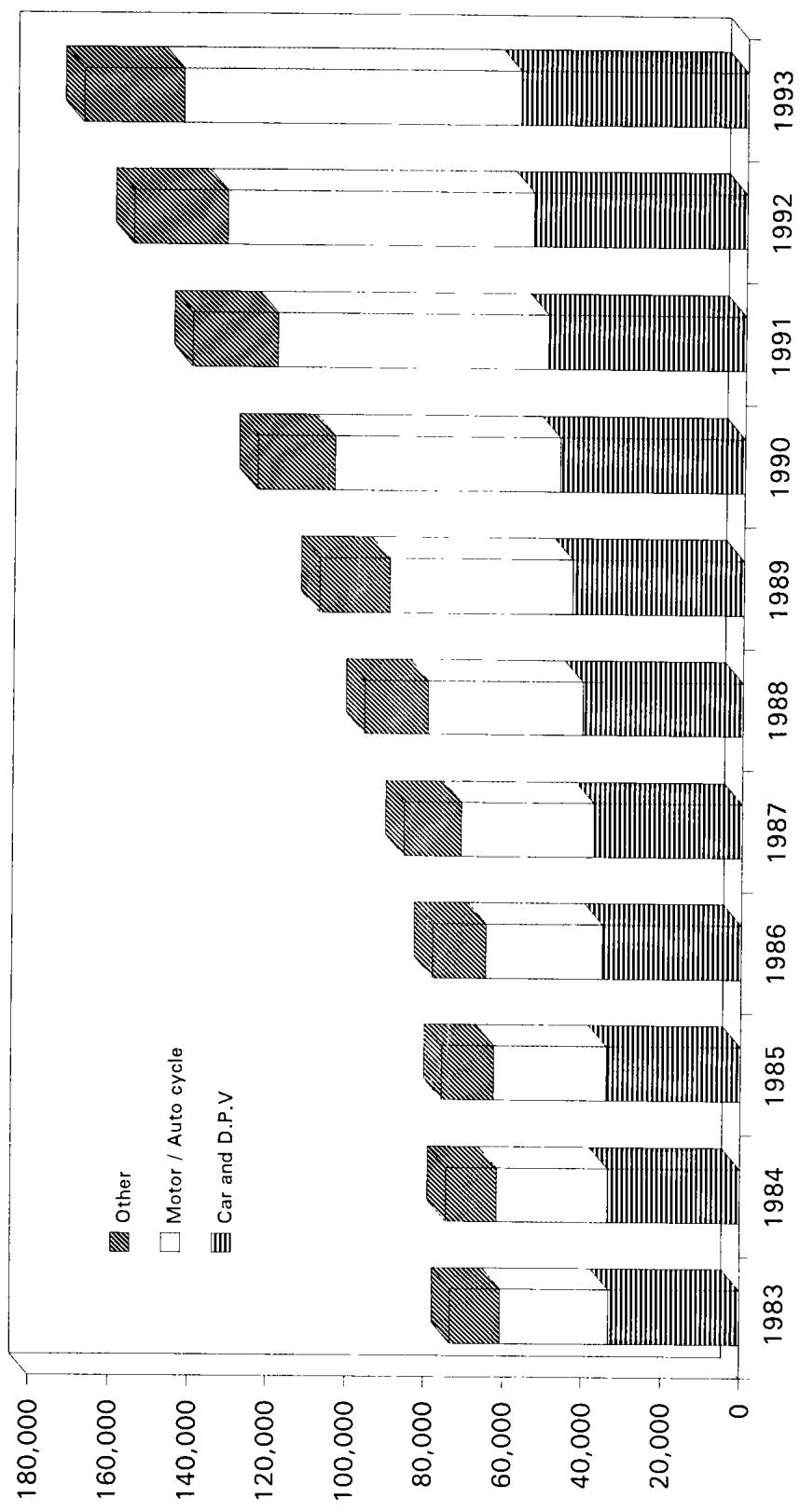
\* \* \* \* \*

Table 1.1 - Road network, 1989 - 1993

As at end of .....	Motorways	Length of roads (km)			% of roads paved	Density of total network in km per sq km <sup>1</sup>	Number of vehicles per km of road
		Main roads	Secondary roads	Other roads			
1989	29	856	577	339	1801	93	0.97
1990	29	856	577	339	1801	93	0.97
1991	29	886	577	339	1831	93	0.98
1992	29	886	577	339	1831	93	0.98
1993	29	886	582	384	1881	93	1.01

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

**Fig. 1.1 - Vehicle Stock, 1983 - 1993**



Type of vehicle	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Car and Dual Purpose Vehicle	33,053	33,486	33,982	35,124	37,544	40,566	43,379	46,793	50,016	53,945	57,393
Motor cycle and autocycle	27,481	28,105	28,528	29,564	33,560	39,093	46,404	57,094	68,574	77,736	85,540
Other	12,684	12,778	13,085	13,541	14,573	16,181	17,730	19,658	21,664	23,639	25,225
Total	73,218	74,369	75,595	78,229	85,677	95,840	107,513	123,545	140,254	155,320	168,158

Table 1.2 - Vehicles<sup>1</sup> registered , 1983 - 1993

Number

Type of vehicle	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Car <i>(of which Taxi Car )</i>	26,082 (2,954)	26,274 (2,735)	26,455 (2,717)	27,053 (2,931)	28,337 (3,358)	30,283 (3,423)	31,919 (3,464)	33,916 (3,715)	35,673 (3,965)	37,696 (4,014)	39511 (4,050)
Dual Purpose Vehicle	6,971	7,212	7,527	8,071	9,207	10,283	11,460	12,877	14,343	16,246	17882
Heavy Motor Car	370	373	400	423	454	517	624	695	766	799	826
Motor Cycle	8,711	8,882	9,014	9,205	9,436	9,912	10,560	11,937	14,740	16,880	18829
Auto Cycle	18,770	19,223	19,514	20,359	24,124	29,181	35,844	45,157	53,834	60,859	66711
Lorry & Truck	4,690	4,671	4,717	4,838	5,057	5,534	5,906	6,564	7,226	7,776	8166
Van	3,089	3,265	3,440	3,636	4,115	4,788	5,600	6,637	7,602	8,749	9663
Bus	1,418	1,364	1,369	1,360	1,529	1,771	1,858	1,929	2,021	2,097	2217
Tractor & Dumper	1,760	1,742	1,788	1,863	1,940	2,013	2,078	2,156	2,274	2,356	2413
Prime Mover	113	116	120	130	145	164	182	185	197	212	228
Trailer	968	976	983	997	1,039	1,083	1,151	1,155	1,231	1,288	1333
Road Roller	114	105	97	91	87	101	98	94	96	100	106
Other	162	166	171	203	207	210	233	243	251	262	273
<b>TOTAL</b>	73,218	74,369	75,595	78,229	85,677	95,840	107,513	123,545	140,254	155,320	168,158
<i>Index</i>	100	102	103	107	117	131	147	169	192	212	230

<sup>1</sup> Excluding pedal cycles , but including government vehicles

**Table 1.3 New vehicles<sup>1</sup> registered , 1989 - 1993**

Type of vehicle	1989	1990	1991	1992	1993
<b>Car</b>	1,540	2,189	1,642	1,756	1,663
<b>Dual Purpose Vehicle</b>	896	1,051	1,000	1,238	1,120
<b>Heavy Motor Car</b>	106	67	76	46	37
<b>Motor Cycle</b>	509	1,384	2,933	2,365	2,250
<b>Auto Cycle</b>	6,940	10,044	9,380	7,680	6,691
<b>Lorry and Truck</b>	248	468	401	405	325
<b>Van</b>	656	826	730	964	710
<b>Bus</b>	154	106	145	164	211
<b>Tractor and Dumper</b>	81	104	130	107	66
<b>Prime Mover</b>	18	15	21	20	11
<b>Trailer</b>	75	59	97	84	55
<b>Road Roller</b>	2	--	2	5	11
<b>Other<sup>2</sup></b>	20	10	6	11	11
<b>Total</b>	<b>11,245</b>	<b>16,323</b>	<b>16,563</b>	<b>14,845</b>	<b>13,161</b>

<sup>1</sup> includes government vehicles

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

**Table 1.4 - Second-hand vehicles <sup>1</sup> registered, 1989 - 1993**

Type of vehicle	1989	1990	1991	1992	1993
Car	887	917	1,200	1,363	1,427
Dual Purpose Vehicle	377	460	608	826	733
Heavy Motor Car	8	10	4	4	7
Motor Cycle	396	273	244	188	175
Auto Cycle	575	383	479	386	429
Lorry and Truck	229	372	411	337	268
Van	235	330	351	309	376
Bus	4	3	6	6	4
Tractor and Dumper	43	22	26	17	23
Prime Mover	3	6	4	3	11
Trailer	17	16	14	19	19
Road Roller	2	1	1	1	1
Other <sup>2</sup>	4	1	2	1	1
Total	2,780	2,794	3,350	3,460	3,474

<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 - Vehicles off the road <sup>1</sup>, 1989 - 1993

Type of vehicle	1989	1990	1991	1992	1993
Car	791	1,109	1,085	1,093	1,275
Dual Purpose Vehicle	96	94	142	161	217
Heavy Motor Car	7	6	9	17	17
Motor Cycle	257	280	369	413	476
Auto Cycle	852	1,114	1,187	1,044	1,268
Lorry and Truck	105	182	150	192	203
Van	79	119	116	126	172
Bus	71	38	59	95	95
Tractor and Dumper	59	48	40	7	32
Prime Mover	3	18	11	42	6
Trailer	24	71	35	46	29
Road Roller	7	5	1	2	6
Other <sup>2</sup>	1	1	--	1	1
Total	2,352	3,085	3,204	3,239	3,797

<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.

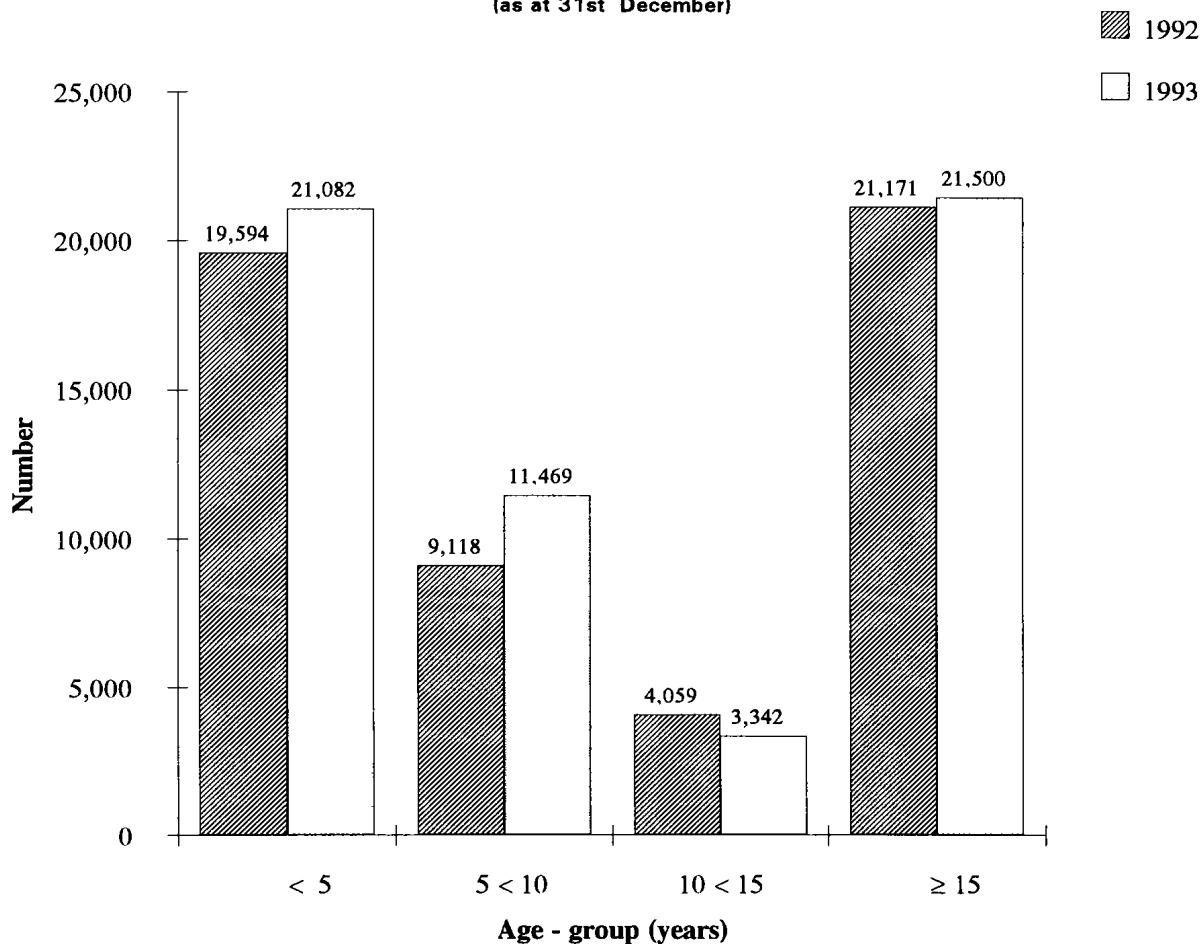
Includes government vehicles which have been sold by auction.

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

**Table 1.6 - Age composition of cars and dual purpose vehicles , 1992 - 1993**

Age group (Years)	as at 31st December 1992		as at 31st December 1993	
	Number	%	Number	%
< 5	19,594	36	21,082	37
5 < 10	9,118	17	11,469	20
10 < 15	4,059	8	3,342	6
≥ 15	21,171	39	21,500	37
<b>TOTAL</b>	<b>53,942</b>	<b>100</b>	<b>57,393</b>	<b>100</b>

**Fig. 1.2 - Age composition of cars and dual purpose vehicles  
(as at 31st December)**



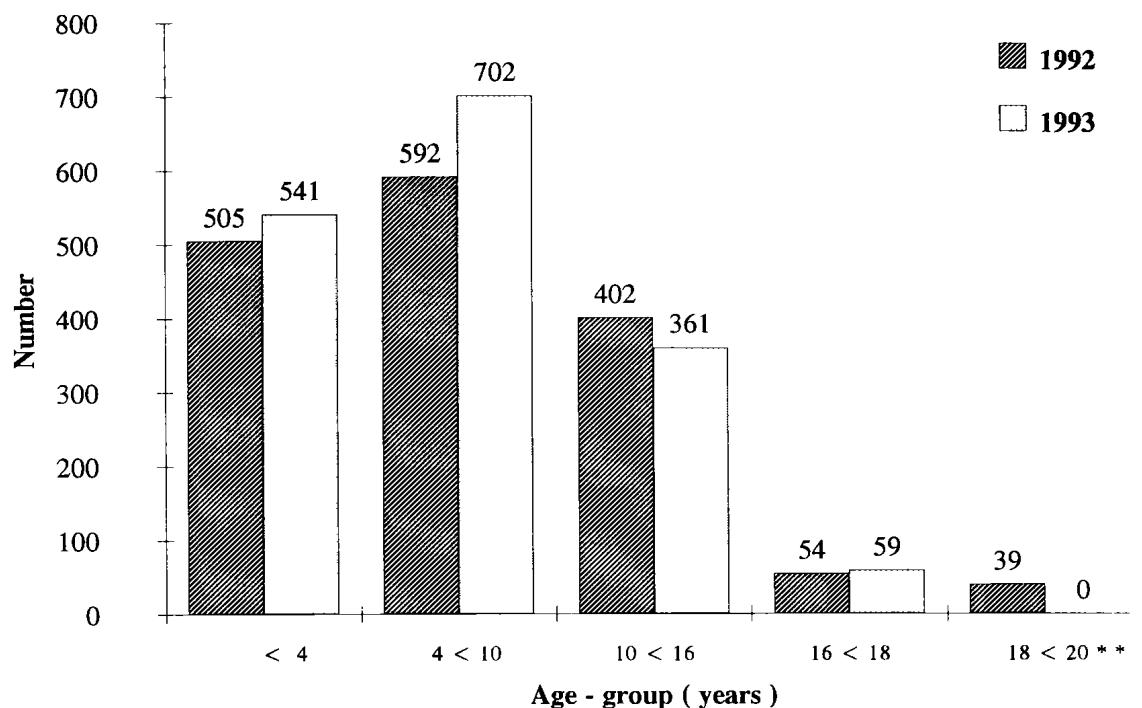
**Table 1.7 - Age composition of operational bus fleet \* , 1992 - 1993**

Age group (Years)	as at 31st December 1992		as at 31st December 1993	
	Number	%	Number	%
< 4	505	32	541	33
4 < 10	592	37	702	42
10 < 16	402	25	361	22
16 < 18	54	3	59	4
18 < 20 **	39	2	--	--
<b>Total</b>	<b>1,592</b>	<b>100</b>	<b>1,663</b>	<b>100</b>

\* Refers only to buses with a Road Service Licence , i.e , buses which operate on proclaimed routes and charge individual fares

\*\* Buses over the age of 18 years are no longer licensed as from 1st january 1993

**Fig. 1.3 - Age composition of operational bus fleet  
(as at 31st December)**



**Table 1.8 - Bus operational statistics<sup>1</sup>, 1989 - 1993**

	Unit	1989	1990	1991	1992	1993
<b>Operational bus fleet ( as at 30th June )</b>						
Number	1,453	1,518	1,533	1,585	1,644	
Total vehicle - journeys	Thousand	3,914	4,018	3,948	3,951	4,054
Average vehicle - journeys per day	"	10.7	11.0	10.8	10.8	11.1
Total vehicle - kilometres	"	68,408	69,369	70,324	70,842	72,240
Average vehicle - kilometres per day	"	187	190	193	194	198
Total gross receipts	'000 Rs	504,000	573,000	766,800	854,900	909,300
Average gross receipts per day	'000 Rs	1,381	1,570	2,101	2,342	2,491

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) , 1981 - 1993**

<b>Stage \ Period</b>	<b>Dec. 81</b>	<b>Aug. 84</b>	<b>Aug. 88</b>	<b>Sept. 90</b>	<b>May. 92</b>
1	0.75	1.00	1.50	2.00	2.00
2	1.00	1.00	1.50	2.00	3.00
3	1.25	1.50	2.00	3.00	4.00
4	1.50	1.50	2.00	3.00	4.00
5	1.75	2.00	2.50	4.00	5.00
6	2.00	2.00	2.50	4.00	5.00
7	2.25	2.50	3.00	5.00	6.00
8	2.50	2.50	3.00	5.00	6.00
9	2.75	3.00	3.50	6.00	7.00
10	2.75	3.00	3.50	6.00	7.00
11	3.00	3.00	4.00	6.00	7.00
12	3.00	3.00	4.00	6.00	7.00
13	3.25	3.50	4.50	7.00	8.00
14	3.50	3.50	4.50	7.00	8.00
15	3.75	4.00	5.00	7.00	8.00
16	3.75	4.00	5.00	7.00	8.00
17	4.00	4.00	5.50	7.00	8.00
18	4.00	4.00	5.50	7.00	8.00
19	4.00	4.00	5.50	7.00	8.00
20	4.00	4.00	5.50	7.00	8.00
21	4.25	4.50	6.00	8.00	9.00
22	4.25	4.50	6.00	8.00	9.00
23	4.50	4.50	6.00	8.00	9.00
24	4.50	4.50	6.00	8.00	9.00
25	4.50	4.50	6.00	8.00	9.00
26	4.75	5.00	6.50	8.00	9.00
27	4.75	5.00	6.50	8.00	9.00
28	4.75	5.00	6.50	8.00	9.00
29	4.75	5.00	6.50	8.00	9.00
30	4.75	5.00	6.50	8.00	9.00
30 +	5.00	5.00	7.00	9.00	10.00

**Table 1.10 - Revenue of the National Transport Authority , 1989 - 1993**

(Thousand Rupees)

Source of revenue	As at end of December			
	1989	1990	1991	1992
<b>Motor Vehicle Licences ( Road Tax )</b>	38,059	71,185	80,229	90,898
Examination of Vehicles	2,531	2,764	3,262	4,933
Public Service Vehicle and Carrier's Licences	2,751	3,470	4,627	8,235
Registration of Vehicles	2,004	2,384	2,922	5,940
Issue of Special Route Permits	588	2,208	2,236	1,728
Motor Vehicles Dealers and Petrol Service Station Licences	273	221	297	449
<b>Total</b>	<b>47,206</b>	<b>82,232</b>	<b>93,573</b>	<b>112,183</b>
				<b>196,174</b>

Table 1.111 - Driving licences issued during the year by type of licence  
1988 - 1993

Number

Type of Licence	Learner's licence				First issue				First issue				Competent licence				International Licence			
	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes		
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				
1991	15,000	1,000	16,000	- · -	- · -	- · -	10,769	5,385	16,154	- · -	- · -	- · -	- · -	2,499	1,250	3,749				
1992	7,207	3,603	10,810	- · -	- · -	- · -	1,844	921	2,765	- · -	- · -	- · -	- · -	1,910	956	2,866				
1993* *	7,596	4,722	12,318	- · -	- · -	- · -	3,372	1,241	4,613	- · -	- · -	- · -	- · -	2,479	395	2,874				

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

\* \* Provisional

**Table 1.12 - Imports of vehicles and spare parts by country of origin, 1992 - 1993**

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

Item	Country of origin	Unit	1992 <sup>1</sup>		1993	
			Quantity	Value	Quantity	Value
1 - Passenger motor cars	France	No.	207	21,548	262	31,660
- of engine capacity not exceeding 1,100 c.c.	India	"	79	6,024	--	--
	Italy	"	39	3,322	1	44
	Japan	"	284	21,498	82	6,694
	Spain	"	49	4,668	99	12,121
	United Kingdom	"	--	--	18	2,145
	Other Countries	"	21	2,944	16	1,601
			<b>679</b>	<b>60,004</b>	<b>478</b>	<b>54,265</b>
- of engine capacity exceeding 1,100 c.c. but not exceeding 1,300 c.c.	France	No.	164	19,284	354	47,540
	Germany Fed. Rep.	"	4	437	1	78
	Italy	"	1	67	--	--
	Japan	"	1,990	178,506	1,661	175,362
	Korea Rep.	"	14	1,391	74	8,216
	Malaysia	"	163	18,311	117	15,818
	South Africa Rep.	"	33	3,184	75	9,892
	Spain	"	7	972	22	2,616
	United Kingdom	"	12	950	70	10,605
	Other Countries	"	2	112	--	--
			<b>2,390</b>	<b>223,214</b>	<b>2,374</b>	<b>270,127</b>

**Table 1.12 - Imports of vehicles and spare parts by country of origin, 1992 - 1993 (cont'd)**

Item	Country of origin	Unit	1992 <sup>1</sup>		1993		(C.I.F. Value Rs '000)
			Quantity	Value	Quantity	Value	
- of engine capacity exceeding 1,300 c.c. but not exceeding 1,800 c.c.	France	No.	90	13,484	96	17,748	
	Germany Fed. Rep.	"	85	26865	135	38,416	
	Japan	"	458	52,696	438	63,940	
	Korea Rep.	"	17	2,069	18	2,378	
	Malaysia	"	26	3814	8	1,328	
	South Africa Rep.	"	8	1213	40	7,980	
	United Kingdom	"	18	1,879	12	1225	
	Other Countries	"	2	142	10	1,060	
			704	102,162	757	134,075	
- of engine capacity exceeding 1,800 c.c.	France	No.	14	3,047	62	24,697	
	Germany Fed. Rep.	"	70	28,095	57	20,043	
	Japan	"	69	11,939	63	9,586	
	South Africa Rep.	"	5	439	6	1,451	
	United Kingdom	"	45	18,539	15	5,103	
	U.S.A.	"	4	592	--	--	
	Other Countries	"	7	937	12	2,440	
			214	63,588	215	63,320	

Table 1.12 - Imports of vehicles and spare parts by country of origin, 1992 - 1993 (cont'd)

Item	Country of origin	Unit	1992 <sup>1</sup>			1993		
			Quantity	Value	Quantity	Value	Value	Value
- other, unspecified		No.	--	--	1	160		
	France	"	3	416	1	198		
	Japan	"	2	204	--	--		
	India	"	5	620	2	358		
2 - Trucks and lorries, trucks of pick-up type, vans designed solely for the types which are not derived solely from ordinary passenger motor-car.		No.	16	6,415	22	3,067		
	France	"	6	2,320	--	--		
	Germany Fed. Rep.	"	7	1,092	3	561		
	India	"	1,815	245,337	1,360	221,775		
	Japan	"	8	778	--	--		
	Korea Rep.	"	--	--	4	6,143		
	South Africa Rep.	"	31	5,278	22	3,958		
	United Kingdom	"	5	788	13	1,450		
	Other Countries	"	1,888	262,008	1,424	236,954		

<sup>1</sup> Revised

**Table 1.12 - Imports of vehicles and spare parts by country of origin, 1992 - 1993 (cont'd)**

Item	Country of origin	Unit	1992 <sup>1</sup>		1993	
			Quantity	Value	Quantity	Value
<b>3 - Public service type passenger motor vehicle</b>	France	No.	2	3,785	2	5,928
	India	"	29	10,629	95	41,276
	Japan	"	195	32,251	152	51,255
	South Africa Rep.	"	3	384	--	--
	Other Countries	"	5	1,222	--	--
			234	48,271	249	98,459
<b>4 - Road tractors for semi-trailers</b>	France	No.	2	2,442	1	1,076
	India	"	3	1,195	--	--
	Japan	"	10	6,475	2	1,647
	United Kingdom	"	11	15,400	--	--
	Other countries	"	2	354	--	--
			28	25,866	3	2,723
<b>5 - Dumpers</b>	Belgium	No.	--	--	5	2,009
	China	"	--	--	15	630
	France	"	--	--	3	374
	Italy	"	3	392	--	--
	South Africa Rep.	"	3	188	3	402
	Spain	"	2	302	--	--
	United Kingdom	"	18	1,832	5	1,063
			26	2,714	31	4,478

Table 1.12 : Imports of vehicles and spare parts by country of origin, 1992 - 1993 (cont'd)

Item	Country of origin	Unit	1992 <sup>1</sup>		1993	
			Quantity	Value	Quantity	Value
6 - Other motor vehicles for the transport of goods or materials						
- of an engine capacity up to 1,100 c.c.	South Africa Rep.	No.	--	--	1	170
		"	--	--	1	170
- of an engine capacity exceeding 1,100 c.c. but not exceeding 1,300 c.c.	Japan	No.	3	204	4	305
	United Kingdom	"	1	85	--	--
			4	289	4	305
- of an engine capacity exceeding 1,300 c.c. but not exceeding 1,800 c.c.	South Africa Rep.	No.	1	86	--	--
	Australia	"	1	37	--	--
	Japan	"	--	--	2	185
	United Kingdom	"	1	87	--	--
	Other countries	"	1	200	--	--
			4	410	2	185

<sup>1</sup> Revised

Table 1.12 - Imports of vehicles and spare parts by country of origin, 1992 - 1993 (cont'd)

Item	Country of origin	Unit	1992 <sup>1</sup>		(C.I.F. Value Rs '000) 1993	
			Quantity	Value	Quantity	Value
- of an engine capacity exceeding 1,800 c.c.	Japan	No.	1	54	--	--
	Germany Fed. Rep.	"	--	--	1	142
			1	54	1	142
7 - Special purpose motor vehicles and vans	Australia	No.	14	13,741	1	166
	China	"	8	781	--	--
	France	"	6	3,464	1	281
	Germany Fed. Rep.	"	10	8,133	8	5,068
	India	"	6	1,233	6	1,096
	Italy	"	37	33,133	15	6,145
	Japan	"	12	9,806	--	--
	South Africa Rep.	"	4	1,989	3	741
	United Kingdom	"	56	18,444	43	15,849
	United States	"	1	4,581	24	83,637
	Other countries	"	3	3,961	2	1,041
			157	99,266	103	114,024

| Revised

Table 1.12 - Imports of vehicles and spare parts by country of origin, 1992 - 1993 (cont'd)

Item	Country of origin	Unit	1992 <sup>1</sup>		1993		(C.I.F. Value Rs '000)
			Quantity	Value	Quantity	Value	
<b>8 - Motor cycles, scooters and auto cycles</b>	China	No.	239	1,001	--	--	--
	France	"	3,913	36,510	3,299	35,218	--
	Germany Fed. Rep.	"	2	376	--	--	--
	India	"	3,715	20,836	2,888	17,303	
	Italy	"	147	1,387	122	945	
	Japan	"	2,419	38,842	2,553	59,612	
	Pakistan	"	260	3,715	140	2,189	
	Korea Rep.	"	75	590	75	719	
	Other countries	"	7	224	6	225	
			<b>10,777</b>	<b>103,481</b>	<b>9,083</b>	<b>116,211</b>	
	China	No.	6,439	4,512	17,668	8,281	
	France	"	309	1,431	475	2,711	
	India	"	654	409	312	261	
	Italy	"	--	--	19	34	
	Korea Rep.	"	30	74	--	--	
	Malaysia	"	253	234	--	--	
	Singapore	"	--	--	209	186	
	Taiwan	"	25,027	14,013	17,791	17,534	
	United Kingdom	"	134	335	320	1,002	
	Other countries	"	15	66	10	24	
			<b>32,861</b>	<b>21,074</b>	<b>36,804</b>	<b>30,033</b>	

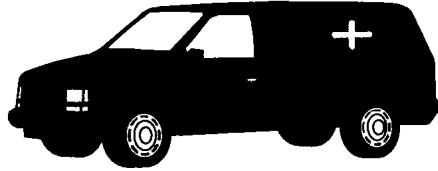
**Table 1.12 - Imports of vehicles and spare parts by country of origin, 1992 - 1993 (cont'd)**

Item	Country of origin	Unit	1992 <sup>1</sup>		1993	
			Quantity	Value	Quantity	Value
<b>10 - Chassis fitted with engines for tractors, and for motor vehicles</b>	France	"	9	8,909	6	4,749
	Korea Rep.	"	--	--	10	1,244
	India	"	39	9,559	37	10,270
	Japan	"	198	40,430	425	110,223
	Netherlands	"	8	11,410	--	--
	South Africa Rep.	"	2	131	5	2,170
	United Kingdom	"	87	16,948	89	18,131
	Other countries	"	7	3,687	--	--
			350	91,074	572	146,787
<b>11 - Parts and accessories for tractors and for motor vehicles</b>	France	"	153	16,626	106	17,483
	Germany Fed. Rep.	"	35	8,221	45	9,887
	India	"	122	6,762	69	5,289
	Italy	"	166	15,323	29	4,505
	Japan	"	274	32,723	243	33,546
	Malaysia	"	29	3,091	59	5,341
	Singapore	"	21	1,345	50	1,964
	South Africa Rep.	"	57	3,474	163	22,489
	Taiwan	"	53	2,070	39	3,428
	United Kingdom	"	474	19,259	462	25,278
	United States	"	27	5,796	23	6,541
	Other countries	"	51	5,242	4	1,218
			1,462	119,932	1,292	136,969

**Table 1.12 - Imports of vehicles and spare parts by country of origin, 1992 - 1993**

Item	Country of origin	Unit	1992 <sup>1</sup>		1993	
			Quantity	Value	Quantity	Value
12 . Parts n.e.s and accessories for motor cycles, scooters and autocycles	China	M/ton	57	1,553	53	1,547
	Czechoslovakia	"	1	302	--	--
	France	"	11	3,110	20	5,311
	India	"	113	4,636	78	5,578
	Italy	"	7	1,904	8	2,070
	Japan	"	16	3,863	17	6,208
	Spain	"	--	--	1	188
	Taiwan	"	38	3,348	43	3,529
	Other countries	"	23	1,366	5	855
			266	20,082	225	25,286

<sup>1</sup> Revised



## PART II

# ROAD ACCIDENTS

## 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.

\* \* \* \* \*

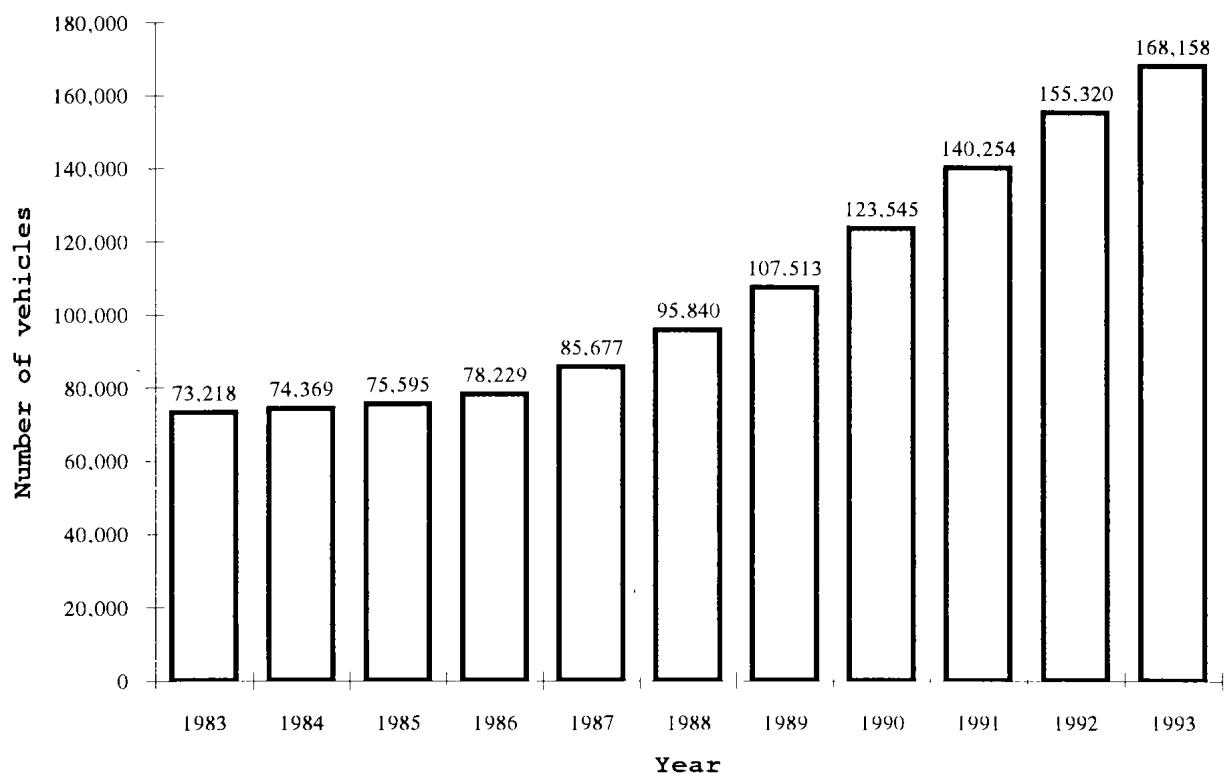
**Table 2.1 - Road traffic accidents<sup>1</sup> and casualties, 1983 -1993**

	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>1992</u>	<u>1993</u>
<b>1. Road traffic accidents :</b>											
Number	4,447	4,681	5,035	5,707	7,059	8,259	9,085	10,316	13,439	14,371	14,652
Rate per 100,000 population	459	479	511	574	703	812	893	1,007	1,297	1,369	1,378
Rate per 1,000 registered motor vehicles	61	63	67	74	87	91	89	90	102	97	91
<b>2. Motor vehicle involved:</b>											
Number	7,141	7,538	8,235	9,410	11,869	14,153	15,489	17,562	22,835	24,549	25,240
Rate per 1,000 registered	99	102	110	123	147	156	152	153	173	166	156
<b>3. Casualties:</b>											
Total number of casualties	2,531	2,329	2,685	2,834	3,294	3,004	3,141	3,575	4,025	4,395	4,160
of which											
Fatal	102	82	104	109	112	122	130	144	168	119	157
Seriously injured	305	253	266	226	255	282	250	315	296	378	322
Slightly injured	2,124	1,994	2,315	2,499	2,927	2,600	2,761	3,116	3,561	3,898	3,681
<b>4. Fatality :</b>											
rate per 100,000 population	10.5	8.4	10.6	11.0	11.2	12.0	12.6	13.9	16.2	11.3	14.8
rate per 1,000 registered											
motor vehicle	1.4	1.1	1.4	1.4	1.4	1.3	1.3	1.3	1.3	0.8	1.0
index <sup>2</sup>	4.0	3.5	3.9	3.8	3.4	4.1	4.1	4.0	4.2	2.7	3.8

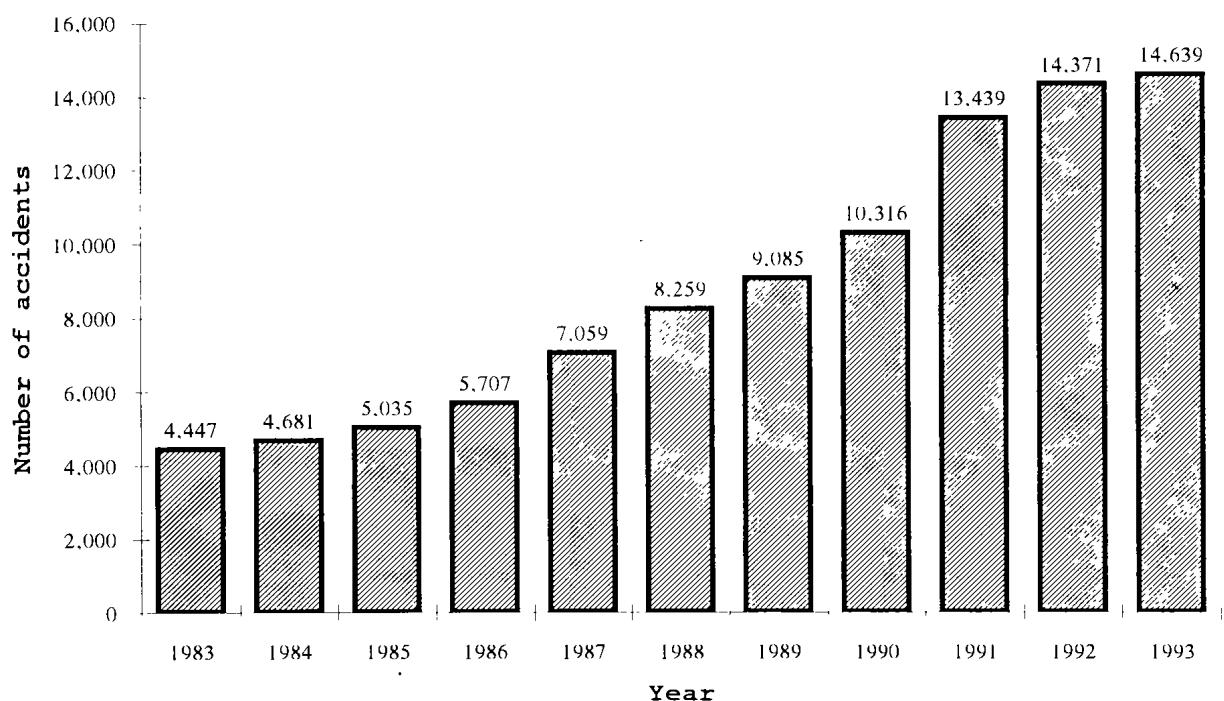
<sup>1</sup> Exclude number of accidents involving bicycles only

<sup>2</sup> Fatality index is the ratio of the number of fatalities to the total number of casualties expressed as a percentage

**Fig. 2.1(a) - Evolution of vehicles registered (1983 - 1993)**



**Fig. 2.1 (b) - Evolution of road accidents (1983 - 1993)**



**Table 2.2 - Road traffic accidents, motor-vehicles involved and casualties, 1989 - 1993**

Year	Accidents	Motor - vehicles involved	Casualties	Population (mid - year)	Number
					Motor - vehicles registered (mid - year)
1989	9,085	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
1992	14,371	24,549	4,395	1,049,967	148,133
1993	14,652	25,240	4,160	1,062,810	161,549

**Table 2.3 - Number of injuries by degree of injury and injury rate, 1989 - 1993**

Year	Degree of injury			Injury rate	
	Serious	Slight	Total injured	Per 100,000 population	Per 1,000 motor-vehicles
1989	250	2,761	3,011	292	30
1990	315	3,116	3,431	331	30
1991	296	3,561	3,857	372	29
1992	378	3,898	4,276	419	30
1993	322	3,681	4,003	367	24

**Table 2.4 - Accidents, motor-vehicles involved and casualties by police district, 1992 - 1993**

- 25 -

Police district	Accidents		Motor-vehicles involved		Pedestrians involved		Casualties	
	1992	1993	1992	1993	1992	1993	1992	1993
Port Louis (South)	2,128	2,227	3,916	4,053	176	179	246	303
Port Louis (North)	1,851	1,795	3,141	3,064	205	220	661	685
Pamplemousses/Rivière du Rempart	1,750	1,711	2,791	2,719	132	162	876	699
Moka/Flacq	1,919	1,981	3,140	3,302	194	229	754	719
Grand Port/Savanne	1,243	1,189	1,910	1,871	160	128	604	511
Upper Plaines Wilhems	2,188	2,217	3,814	3,892	182	192	547	445
Plaines Wilhems/Black River	3,292	3,532	5,837	6,339	281	289	707	798
Whole Island	14,371	14,652	24,549	25,240	1,330	1,399	4,395	4,160

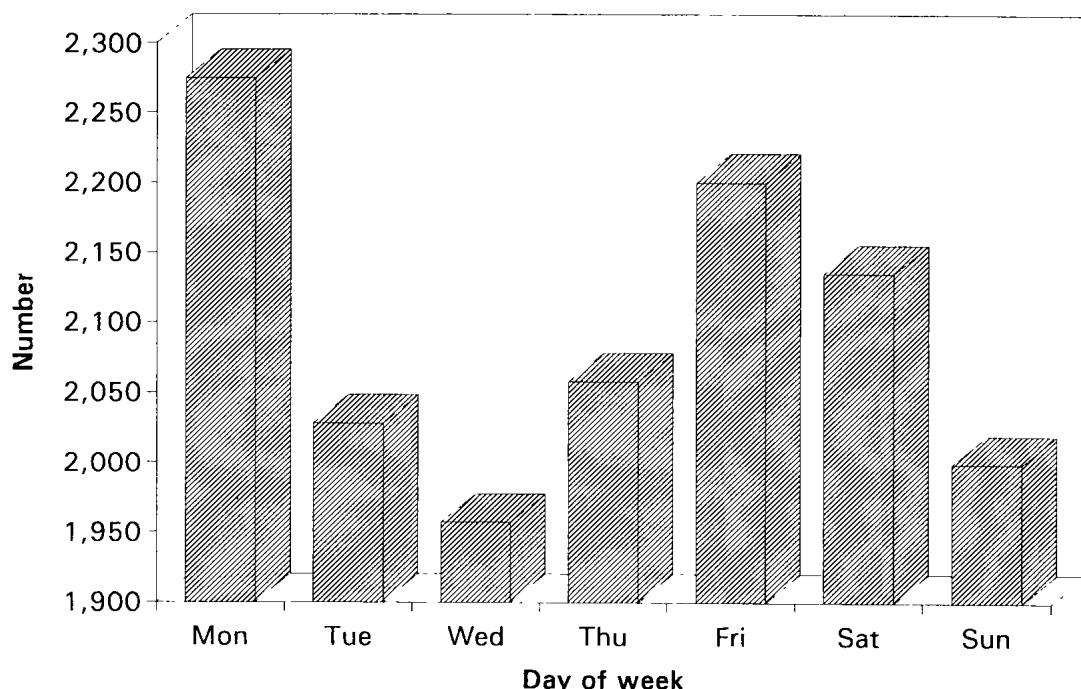
**Table 2.5 - Accidents, motor-vehicles involved and casualties by police district by semester, 1993**

Police district	Accidents		Motor-vehicles involved		Pedestrians involved		Casualties	
	Jan - Jun	Jul - Dec	Jan - Jun	Jul - Dec	Jan - Jun	Jul - Dec	Jan - Jun	Jul - Dec
Port Louis (South)	1,028	1,199	1,877	2,176	88	91	140	163
Port Louis (North)	860	935	1,470	1,594	109	111	391	294
Pamplemousses/Rivière du Rempart	788	923	1,237	1,482	73	89	334	365
Moka/Flacq	948	1,033	1,571	1,731	93	136	356	363
Grand Port/Savanne	571	618	898	973	60	68	249	262
Upper Plaines Wilhems	1,083	1,134	1,882	2,010	95	97	250	195
Plaines Wilhems/Black River	1,792	1,740	3,216	3,123	160	129	444	354
Whole Island	7,070	7,582	12,151	13,089	678	721	2,164	1,996

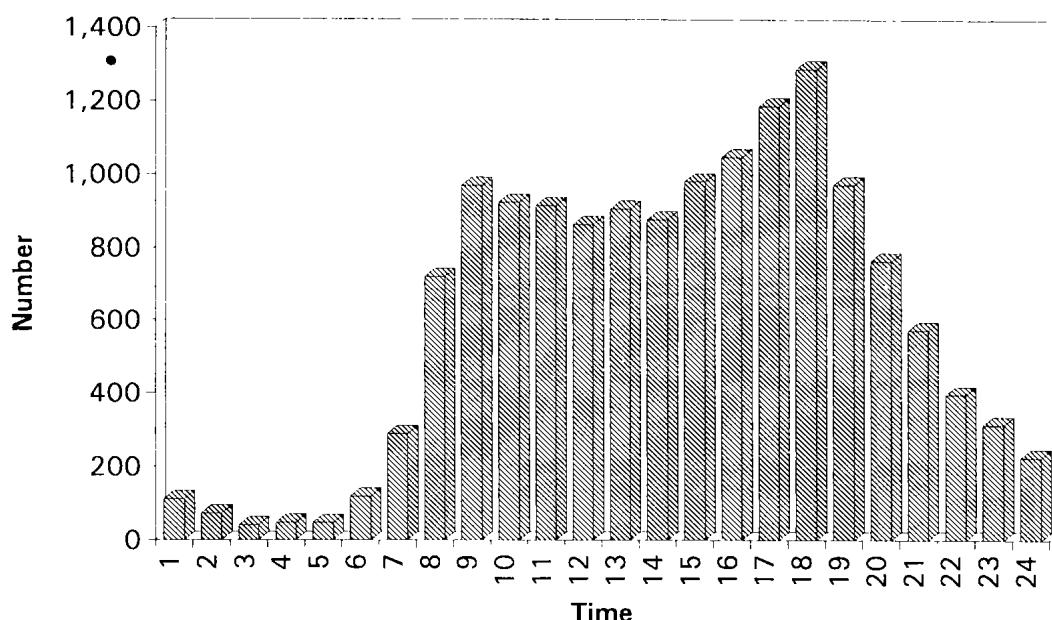
Table 2.6 - Daily and hourly distribution of accidents, 1993

Time (Hour)	Day	Total					
		Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
0	-	11	12	8	13	13	18
1	-	2	4	5	2	8	11
2	-	3	9	1	0	6	11
3	-	4	10	3	1	4	7
4	-	5	1	3	4	9	7
5	-	6	18	17	13	20	15
6	-	7	49	38	38	55	18
7	-	8	127	139	115	109	120
8	-	9	163	163	151	171	134
9	-	10	129	136	154	126	137
10	-	11	111	140	134	122	128
11	-	12	138	109	112	105	118
12	-	13	139	111	103	111	132
13	-	14	146	120	121	112	124
14	-	15	171	144	114	139	150
15	-	16	172	148	145	151	187
16	-	17	217	177	186	176	181
17	-	18	217	186	174	184	200
18	-	19	156	100	119	150	172
19	-	20	101	97	87	126	96
20	-	21	72	74	70	70	71
21	-	22	49	50	47	48	49
22	-	23	38	40	43	27	51
23	-	24	27	15	16	33	35
<b>Total</b>		<b>2,275</b>	<b>2,028</b>	<b>1,957</b>	<b>2,058</b>	<b>2,200</b>	<b>2,135</b>
							<b>1,999</b>
							<b>14,652</b>

**Fig. 2.2 - Number of accidents by day of week, 1993**



**Fig. 2.3 Number of accidents by time of day, 1993**



**Table 2.7 - Number of accidents by severity of accident and number of casualties, 1993**

Number of casualties	Severity of accident				
	Fatal	Serious	Slight	No injury	Total
0	--	--	--	11,477	11,477
1	99	176	2,394	--	2,669
2	14	31	329	--	374
3	4	9	43	--	56
4	3	3	20	--	26
5 or more	10	7	33	--	50
Total	130	226	2,819	11,477	14,652

**Table 2.8 - Number of accidents by severity of accident and number of vehicles involved, 1993**

Number of vehicles involved	Severity of accident				
	Fatal	Serious	Slight	No injury	Total
1	85	155	1,856	2,234	4,330
2	37	68	930	9,010	10,045
3	8	3	32	219	262
4 or more	--	--	1	14	15
Total	130	226	2,819	11,477	14,652

**Table 2.9 - Number of accidents by severity of accident and police district , 1992 - 1993**

Police district	1992				1993					
	Severity of accident				Severity of accident					
	Fatal	Serious	Slight	No injury	Total	Fatal	Serious	Slight	No injury	Total
Port Louis (South)	16	14	200	1,898	2,128	13	23	223	1,968	2,227
Port Louis (North)	12	53	450	1,336	1,851	12	55	414	1,314	1,795
Pamplemousses/Rivière du Rempart	15	59	499	1,177	1,750	21	40	477	1,173	1,711
Moka/Flacq	22	20	463	1,414	1,919	20	32	494	1,435	1,981
Grand Port/Savanne	19	39	371	814	1,243	19	15	337	818	1,189
Upper Plaines Wilhems	7	40	362	1,779	2,188	17	19	312	1,869	2,217
Plaines Wilhems/Black River	19	51	483	2,739	3,292	28	42	562	2,900	3,532
<b>Whole Island</b>	<b>110</b>	<b>276</b>	<b>2,828</b>	<b>11,157</b>	<b>14,371</b>	<b>130</b>	<b>226</b>	<b>2,819</b>	<b>11,477</b>	<b>14,652</b>

Table 2.10 - Number of accidents by severity of accident and weather conditions, 1992 - 1993

Weather conditions	1992				1993					
	Severity of accident				Severity of accident					
	Fatal	Serious	Slight	No injury	Total	Fatal	Serious	Slight	No injury	Total
Fine	103	239	2,576	10,385	13,303	116	205	2,613	10,635	13,569
Rainy	4	34	236	761	1,035	13	18	196	817	1,044
Fog/mist	1	2	8	4	15	--	1	2	10	13
Other	2	1	8	7	18	1	2	8	15	26
All conditions	110	276	2,828	11,157	14,371	130	226	2,819	11,477	14,652

Table 2.11 - Number of accidents by severity of accident and light conditions, 1992 - 1993

Light conditions	1992			1993			Severity of accident			Total
	Fatal	Serious	Slight	No injury	Total	Fatal	Serious	Slight	No injury	
Day light	74	195	2,158	9,399	11,826	81	149	2,161	9,467	11,858
Dark - no street lighting	16	27	233	457	733	17	34	179	454	684
Dark - street lighting on	20	52	399	1,236	1,707	30	41	477	1,549	2,097
Dark - street lighting off	--	2	38	65	105	2	2	2	7	13
All conditions	110	276	2,828	11,157	14,371	130	226	2,819	11,477	14,652

**Table 2.12 - Number of accidents by severity of accident and apparent cause of accident , 1992 - 1993**

- 33 -

Apparent cause of accident	1992				1993				Severity of accident	
	Fatal	Serious	Slight	No injury	Total	Fatal	Serious	Slight		
<b>Speeding</b>										
Improper overtaking	11	28	149	304	492	16	17	85	261	379
Signal violation	2	11	64	371	448	2	6	69	200	277
Followed too closely	--	1	13	16	30	1	--	6	16	23
Vehicle skidded	--	4	40	421	465	1	2	29	517	549
Improper signing	--	3	20	60	83	--	2	20	34	56
Inefficient brake	1	--	10	19	30	--	--	13	24	37
Burst tyres	--	1	5	19	25	--	1	14	25	40
Careless driving	62	143	1,460	8,243	9,908	65	125	1,588	8,756	10,534
Negligence of pedestrian	21	30	499	85	635	30	34	473	66	603
Other mechanical defect	--	4	26	50	80	--	1	16	40	57
Other causes	9	27	349	1,101	1,486	10	17	321	1,064	1,412
All causes	110	276	2,828	11,157	14,371	130	226	2,819	11,477	14,652

Table 2.13 - Number of accidents by severity of accident and type of road, 1992 - 1993

Type of road	Length of roads (kms)	Severity of accident			Length of roads (kms)	Severity of accident			Total			
		Fatal	Serious	Slight		No injury	Total	Fatal				
Motor-way	29	12	17	130	832	991	29	17	20	111	969	1,117
Main road	886	49	111	920	3,212	4,292	886	46	77	809	3,356	4,288
Secondary road	577	26	81	862	2,390	3,359	582	32	79	924	2,468	3,503
Other road	339	23	67	916	4,723	5,729	384	35	50	975	4,684	5,744
All roads	1,831	110	276	2,828	11,157	14,371	1,881	130	226	2,819	11,477	14,652

Table 2.14 - Number of accidents by severity of accident and road characteristics, 1992 - 1993

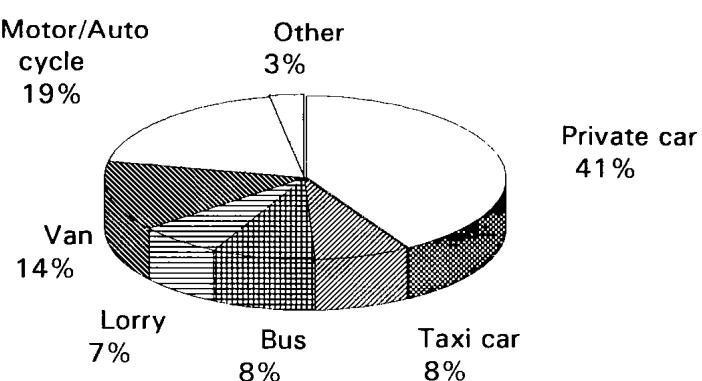
Road characteristics	1992				1993					
	Severity of accident				Severity of accident					
	Fatal	Serious	Slight	No injury	Total	Fatal	Serious	Slight	No injury	Total
Straight	84	205	2,141	9,205	11,635	107	185	2,222	9,715	12,229
Curve	9	36	361	887	1,293	12	25	274	866	1,177
Roundabout	--	5	52	217	274	3	--	31	232	266
Hill crest	3	4	28	83	118	4	3	21	69	97
Signalised intersection	--	1	16	59	76	1	2	20	64	87
Uncontrolled junction	6	9	103	267	385	1	--	101	210	312
Road works present	1	3	18	63	85	1	2	18	38	59
Defective road surface	1	4	46	88	139	--	7	56	102	165
Other	6	9	63	288	366	1	2	76	181	260
All characteristics	110	276	2,828	11,157	14,371	130	226	2,819	11,477	14,652

**Table 2.15 - Number of vehicles<sup>1</sup> involved in accidents by type of vehicle, 1992 - 1993**

Type of vehicle	1992		1993	
	Number of vehicles	%	Number of vehicles	%
Private car	10,150	40.5	10,702	41.6
Taxi car	1,841	7.3	1,996	7.8
Bus	2,186	8.7	2,088	8.1
Lorry	1,715	6.8	1,732	6.7
Van	3,318	13.2	3,569	13.9
Motor/Auto cycle	5,120	20.4	4,938	19.2
Pedal cycle	484	1.9	481	1.9
Other motor vehicle	209	0.8	187	0.7
Other non-motor vehicle	34	0.1	12	0.1
All vehicles	25,057	100	25,705	100

<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 of vehicle, 1993**



**Table 2.16 - Number of motor-vehicles<sup>1</sup> involved in accidents by type of vehicle and nature of damage, 1992 - 1993**

Type of vehicle	1992			1993		
	Seriously damaged	Slightly damaged	No damage	Total	Seriously damaged	Slightly damaged
Private car	210	9,571	369	10,150	169	9,838
Taxi car	40	1,736	65	1,841	34	1,883
Bus	44	1,945	197	2,186	27	1,894
Lorry	35	1,429	251	1,715	21	1,499
Van	81	3,099	138	3,318	64	3,313
Motor/Auto cycle	95	4,857	168	5,120	55	4,658
Other motor-vehicle	12	150	40	202	5	147
All vehicles	517	22,787	1,228	24,532	375	23,232
						1,355
						24,962

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

Table 2.17 - Number of drivers and riders<sup>1</sup> involved in accidents by age-group and sex, 1993

Age - group (years)	Drivers			Riders			Total		
	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes
15 - 18	748	2	750	395	4	399	1,143	6	1,149
19 - 24	1,617	42	1,659	1,085	7	1,092	2,702	49	2,751
25 - 34	6,856	156	7,012	1,846	4	1,850	8,702	160	8,862
35 - 44	6,339	128	6,467	954	5	959	7,293	133	7,426
45 - 54	2,627	50	2,677	353	--	353	2,980	50	3,030
55 - 60	705	15	720	109	--	109	814	15	829
Over 60	500	6	506	55	--	55	555	6	561
All ages	19,392	399	19,791	4,797	20	4,817	24,189	419	24,608

<sup>1</sup> Excluding drivers and riders involved in hit and run and mutual agreement cases

**Table 2.18 - Drivers/riders involved in accidents by driving experience and sex, 1992 - 1993**

Driving experience	Number of drivers/riders			Number of drivers/riders		
	1992		1993			
	Male	Female	Both sexes	Male	Female	Both sexes
No licence	12	1	13	31	2	33
Learner driver's licence	621	3	624	642	6	648
Licence with less than 2 years experience	710	21	731	586	12	598
Licence with more than 2 years experience	21,759	326	22,085	22,106	399	22,505
All categories	23,102	351	23,453	23,365	419	23,784

Table 2.19 - Casualties by class of road users, 1992 - 1993

Class of Road users	1992		1993	
	Number	%	Number	%
Pedestrian	1,188	27	1,213	29
Passenger	1,092	25	898	22
Driver	345	8	299	7
Rider	1,435	33	1,392	33
Pedal cyclist	335	8	358	9
All road users	4,395	100	4,160	100

Fig. 2.5 - Casualties by class of road users,  
1993

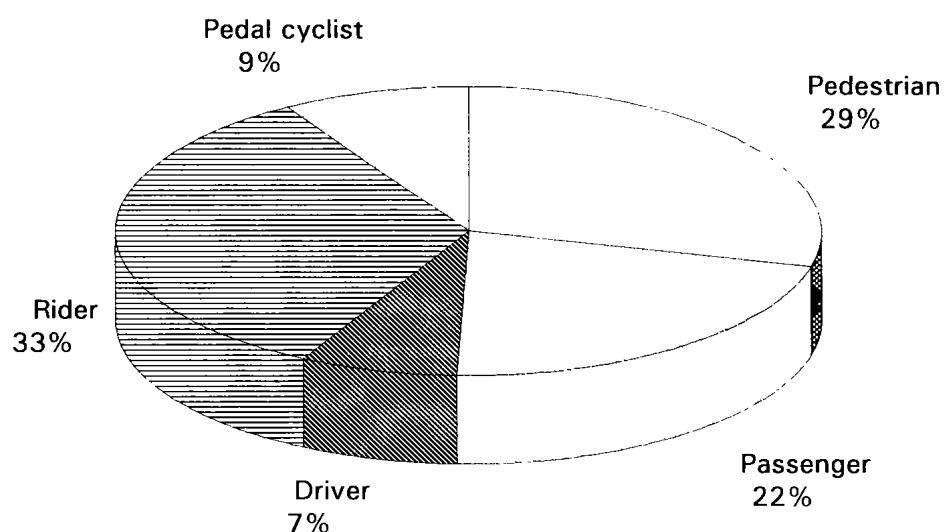


Table 2.20 - Number of casualties by degree of injury and class of road users, 1992 - 1993

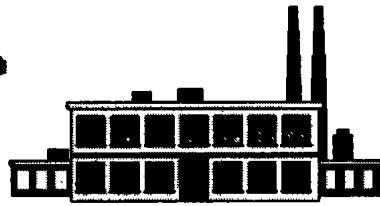
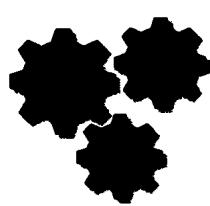
Class of Road users	1991			1992						
	Degree of injury			Degree of injury						
	Fatal	Seriously injured	Slightly injured	Total	%	Fatal	Seriously injured	Slightly injured	Total	%
Pedestrian	49	77	1,062	1,188	27	56	95	1,062	1,213	29
Passenger	17	102	973	1,092	25	38	88	772	898	22
Driver	13	50	282	345	8	17	38	244	299	7
Rider	33	128	1,274	1,435	33	31	79	1,282	1,392	33
Pedal cyclist	7	21	307	335	8	15	22	321	358	9
All road users	119	378	3,898	4,395	100	157	322	3,681	4,160	100

Table 2.21 - Number of casualties by age-group and sex, 1993

Table 2.22 - Pedestrian casualties by age-group, 1992 - 1993

Age-group (years)	1992		1993	
	Population <sup>1</sup> (mid year)	Pedestrian casualties Number	Population (mid year)	Pedestrian casualties Number
Under 7	137,183	90	140,988	89
7 - 12	122,132	178	115,993	192
13 - 20	159,126	118	164,501	152
21 - 40	371,393	489	372,204	459
41 - 50	110,031	125	116,540	155
51 - 60	67,871	88	69,483	81
Over 60	82,231	100	83,101	85
All ages	1,049,967	1,188	1,062,810	1,213
				114

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



## PART III

PETROLEUM

PRODUCTS

**Table 3.1 Evolution of price of gasoline and gas oil,  
1983 - 1993**

Year (as at end of)	Gasoline		Gas-oil	
	Price (Rs/Litre)	Index (1983 = 100)	Price (Rs/Litre)	Index (1983 = 100)
1983	7.27	100.00	4.41	100.00
1984	8.15	112.10	4.85	109.98
1985	8.15	112.10	4.85	109.98
1986	7.70	105.91	4.51	102.27
1987	7.70	105.91	4.51	102.27
1988	7.70	105.91	4.51	102.27
1989	7.70	105.91	4.51	102.27
1990 <sup>1</sup>	11.00	151.31	6.80	154.20
1991 <sup>2</sup>	9.50	130.67	5.50	124.72
1992	9.50	130.67	5.50	124.72
1993	9.50	130.67	5.50	124.72

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

<sup>2</sup> as from end of April

**Table 3.2 - Sales (quantity) of gasoline and gas-oil,  
1983 - 1993**

Year	Gasoline		Gas-oil	
	Quantity (000 Litre)	Index (1983 = 100)	Quantity (000 Litre)	Index (1983 = 100)
1983	45,577	100.00	63,478	100.00
1984	46,785	102.65	64,890	102.22
1985	47,484	104.18	67,800	106.81
1986	51,484	112.96	74,118	116.76
1987	59,359	130.24	82,919	130.63
1988	64,671	141.89	91,043	143.42
1989	74,255	162.92	96,183	151.52
1990	83,848	183.97	108,231	170.50
1991	85,574	187.76	113,033	178.07
1992	95,181	208.84	125,146	197.15
1993 <sup>1</sup>	101,232	222.11	136,983	215.80

Source : Main distributors

<sup>1</sup> Provisional

**Table 3.3 - Imports of motor spirit and gas oil by country of origin , 1992 - 1993**

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

Item	Country of origin	Unit	1992		1993	
			Quantity	Value	Quantity	Value
<b>Motor spirit (Gasoline)</b>						
Bahrain	( 000 ) L		27,517	72,320	--	--
Ivory Coast	"		4,991	12,263	--	--
South Africa Rep.	"		55,261	142,348	102,027	260,256
			<b>87,769</b>	<b>226,931</b>	<b>102,027</b>	<b>260,256</b>
 <b>Gas oil</b>						
Bahrain	( 000 ) L		4,461	10,542	--	--
Ivory Coast	"		19,896	46,174	--	--
Israel	"		6,186	16,519	--	--
Kenya	"		17,845	45,674	--	--
Saudi Arabia	"		3,485	8,773	--	--
South Africa Rep.	"		141,697	364,782	210,035	564,438
			<b>193,570</b>	<b>492,464</b>	<b>210,035</b>	<b>564,438</b>

**Table 3.4 - Imports of lubricating oils and greases by country of origin, 1992 -1993**

Item	Country of origin	Unit	1992		1993	
			Quantity	Value	Quantity	Value
<b>Lubricating oil containing not less than 70% by weight of petroleum products</b>						
Belgium	( 000 ) L		128	1,900	97	1,573
France	"		469	8,476	430	8,688
Germany Fed. Rep.	"		9	291	9	340
Italy	"		--	--	14	286
Japan	"		15	444	25	847
United Arab Emirates	"		--	--	16	354
Netherlands	"		9	169	18	286
Singapore	"		585	7,373	602	8,705
South Africa Rep.	"		6,217	71,421	6,141	80,012
United Kingdom	"		55	1,794	53	1,439
United States	"		27	547	8	343
Other countries	"		12	437	20	981
	M/ton		7,526	92,852	7,433	103,854
<b>Lubricating greases containing not less than 70% by weight of petroleum products</b>						
Australia			3.6	281	3.9	466
France	"		27.8	779	14.8	455
Germany Fed. Rep.	"		0.3	31	0.4	39
South Africa Rep.	"		125.9	2,604	141.7	3,092
United Kingdom	"		--	--	1.2	182
Other countries	"		1.2	125	0.4	97
			158.8	3,820	162.4	4,331

## ACCIDENT REPORT FORM

N°

DOLICE STATION.....	TIME	Day Month Year
1 Date of accident	1.2 Day of week	
1. Sunday	3. Tuesday	5. Thursday
2. Monday	4. Wednesday	6. Friday
3. Time	24 hours	
Hrs	Mins	

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
(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. WEATHER CONDITIONS

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

7. VEHICLE RECORD	1 Number of vehicle(s) involved in the accident
	2 Number of pedestrian(s) involved in the accident
3 Type of vehicle(s) involved	9. Other motor vehicle
01. Private Car	10. Other non-motor vehicle
02. Taxi Car	11. Property damage
03. Bus	
04. Lorry	

Vehicle No. 1	v/s	Vehicle No. 2 or Pedestrian	Vehicle No. 3 or Pedestrian
(1) Type (insert appropriate code as above)			
(2) Registration Number			
(3) Insurance Company	.....	.....	.....

8. DAMAGE TO VEHICLES

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

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

9. LIGHT CONDITIONS	1. Dark — no street lighting
2. Dark — with street lighting	3. Dark — street lights usual
10. ROAD CHARACTERISTICS	(tick three most important characteristics, if any)
(1) Straight	01   □
(2) Curve	02   □
(3) Roundabout	03   □
(4) Hillcrest	04   □
(5) Signalled 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?	Pedestrian, if any
Driver/rider/cyclist:	
(1) Yes	1   □
(2) No	2   □

12. APPARENT CAUSE OF ACCIDENT			
Passengers	Drivers/Riders/Cyclists		
Male	Female	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: \_\_\_\_\_

1. Careless driving  
2. Negligence of pedestrian  
3. Other mechanical defect  
4. Other specify