

Road Transport and Road Accident Statistics (Island of Mauritius)

(January - June 1998)

1.1 Vehicles registered as at June 1998

There were some 216,200 vehicles registered at the National Transport Authority (N.T.A) as at the end of June 1998, compared to 210,900 at the end of December 1997, showing a net addition of about 5,300 or 2.5% vehicles during the first semester of 1998.

Table 1.1 on the composition of the fleet by type of vehicles shows that about 107,200 or 50% were motorcycles and autocycles, 78,000 or 36 % were cars and dual purpose vehicles while the remaining 14 % comprised vans (13,200), lorries (9,500), buses (2,400) and other vehicles (5,900)

1.2 Net addition between January and June 1998

Between January and June 1998, the fleet was strengthened with the registration of 7,500 vehicles, consisting of 5,100 new, 1,000 imported second-hand, and 1,400 re-registered. During the same period about 2,200 vehicles were put off the road, the net addition was only 5,300.

1.3 Vehicles for the transport of passengers

The number of cars and dual purpose vehicles increased by about 2,500 or 3.3 % to reach 78,000 at the end of June 1998. During the first six month some 3,300 cars and dual purpose vehicles (2,000 new and 800 imported second-hand vehicles and 500 re-registered) were registered while around 800 were put off the road.

2.1 Road accidents

During the period January to June 1998, some 8,414 accidents were reported at police stations, which compared to 7,428 for the corresponding period of 1997 represents an increase of 13.3%. As shown in Table 2.1, a high proportion of the accidents, that is, some 98% or 8,242 out of 8,414 were either slight or non-injury accidents. The rate of accidents per 100,00 population has increased from 1,364 to 1,512 and the rate per 1,000 registered motor vehicles rose from 75 to 80.

2.2 Casualties

The accidents that occurred during the first semester of 1998 resulted in 1,828 casualties compared to 1,729 for the same period of last year. Out of these, 72 were fatal, 129 seriously injured and the remaining 1,627 were slightly injured.

It is clear from Table 2.4 that, as in previous years pedestrians (30.6%) and riders of motor cycles (29.8%) were the most vulnerable class of road users followed by passengers (21.4%), drivers (9.8%) and pedal cyclists, 8.5%.

2.3 Vehicles involved in accidents

Around 15,280 vehicles were involved in the road accidents compared to 13,502 for the first semester of last year, representing an increase of 13.2%. Passenger cars including taxis comprised 8,328 or 54.5% of vehicles involved, whilst goods vehicles represented 22.6%, motor cycles, 13.5% and buses, 7.3% (Table 2.3).

2.4 Hit and run cases

The number of hit and run cases recorded at police stations during the first semester of 1998 stood at 117 compared to 146 for the same period of 1997. Out of these 117 cases, 101 were accidents involving vehicles only and the remaining 16, vehicles and pedestrians.

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(c) Heavy motor car

A heavy motor car is a vehicle of the bus type designed to carry passengers but not for hire or reward.

(d) Dual purpose vehicle

A dual purpose vehicle is essentially a car but it is so designed as to be capable of carrying a certain load of goods.

B. Road Traffic Accident Statistics:

- 1. Accidents** refer to all road accidents as reported at police stations.
- 2. Casualties** refer to the total number of fatalities and persons injured as a result of road accidents.
- 3. Fatality:** Death occurring within seven days as a result of the accident.
- 4. Seriously Injured:** Fracture, concussion, internal crushing, severe cut and laceration, severe general shock requiring medical treatment.
- 5. Slightly Injured:** Secondary injuries such as sprain, bruises and cuts not judged to be severe.

Definitions and General Notes

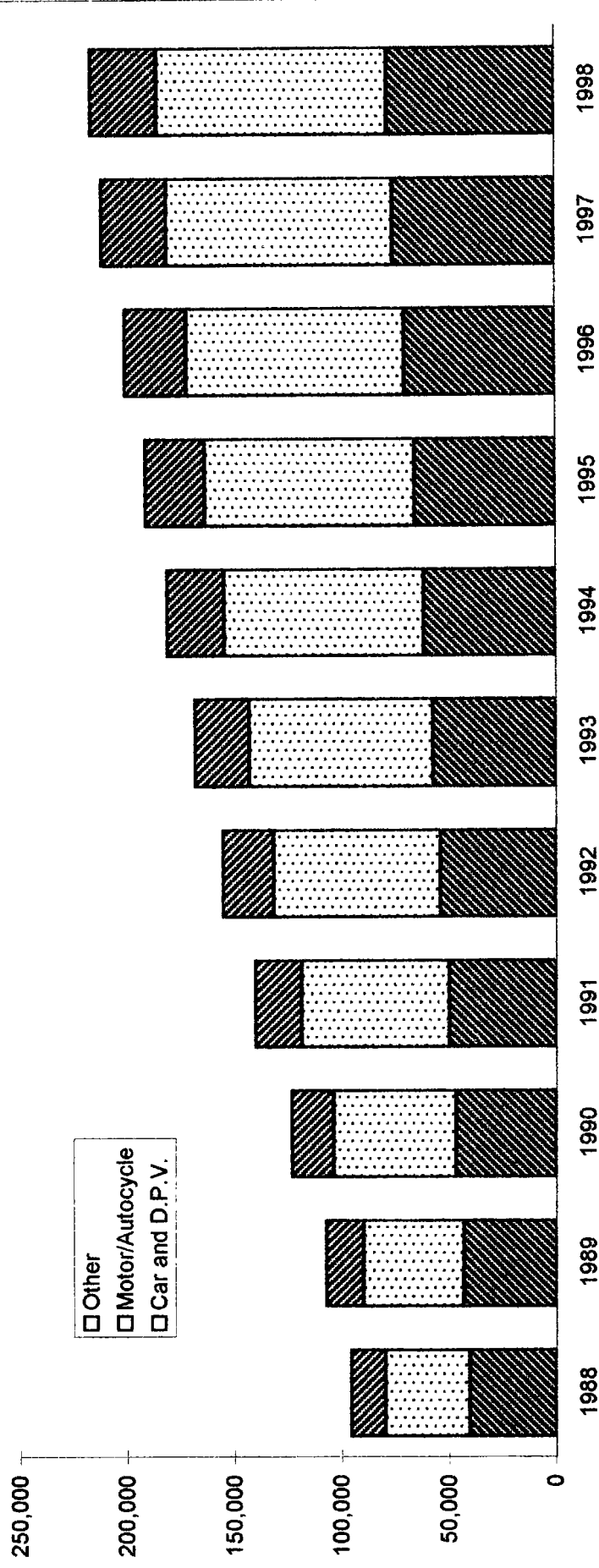
A. Vehicle Statistics:

1. Data refer to all vehicles registered at the National Transport Authority. Pedal cycles are therefore excluded.
2. The classification of vehicles used in this report, follows the definition given in Section 4 of the Road Traffic Act of 1962.
3. **Vehicles include:**
 - (a) **motor vehicles**, that is, power-driven vehicles normally used for carrying persons or goods by road or for drawing vehicles used for carrying persons or goods. Examples are cars, dual purpose vehicle, heavy motor car, motor cycle, lorry, van, bus, tractor etc.and
 - (b) **non-motorised vehicles**, for example trailer.
4. Definition of some type of vehicles according to the Road Traffic Act 1962:
 - (a) **Motor cycle**

A motor cycle is a mechanically propelled vehicle, other than an autocycle or a vehicle classified as an invalid carriage, with not more than four wheels and whose unladen weight does not exceed 400 kilograms.
 - (b) **Autocycle**

An autocycle is a two wheeled motor vehicle, with or without pedals, whose engine capacity does not exceed 50 cubic centimetres.

Fig. 1.1 - Stock of registered vehicles, 1988 - June 1998



Type of vehicle	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Car and Dual Purpose Vehicle	40,566	43,379	42,793	50,016	53,942	57,393	61,378	65,374	69,945	75,440	77,959
Motor cycle and autocycle	39,093	46,404	57,094	68,574	77,739	85,540	92,970	97,809	101,754	105,406	107,210
Other	16,181	17,730	19,658	21,664	23,639	25,225	26,536	27,684	28,621	30,076	31,018
TOTAL	95,840	107,513	123,545	140,254	155,320	168,158	180,884	190,867	200,320	210,922	216,187

Table 1.1 - Vehicles¹ Registered , 1988 - June 1998

Type of vehicle	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998 (June)
Car (of which Taxi Car)	30,283 (3,423)	31,919 (3,464)	33,916 (3,715)	35,673 (3,965)	37,696 (4,014)	39,511 (4,050)	41,355 (4,311)	43,288 (4,439)	45,563 (4,673)	48,390 (4,721)	49,762 (4,725)
Dual Purpose Vehicle	10,283	11,460	12,877	14,343	16,246	17,882	20,023	22,086	24,382	27,050	28,197
Heavy Motor Car	517	624	695	766	799	826	848	898	922	934	942
Motor Cycle	9,912	10,560	11,937	14,740	16,880	18,829	20,461	21,492	22,230	22,839	23,123
Auto Cycle	29,181	35,844	45,157	53,834	60,859	66,711	72,509	76,317	79,524	82,567	84,087
Lorry & Truck	5,534	5,906	6,564	7,226	7,776	8,166	8,559	8,815	9,058	9,356	9,504
Van	4,788	5,600	6,637	7,602	8,749	9,663	10,292	10,851	11,434	12,469	13,202
Bus	1,771	1,858	1,929	2,021	2,097	2,217	2,276	2,362	2,348	2,359	2,367
Tractor & Dumper	2,013	2,078	2,156	2,274	2,356	2,413	2,478	2,546	2,580	2,615	2,626
Prime Mover	164	182	185	197	212	228	249	256	262	278	279
Trailer	1,083	1,151	1,155	1,231	1,288	1,333	1,428	1,534	1,597	1,640	1,671
Road Roller	101	98	94	96	100	106	106	107	106	108	107
Other	210	233	243	251	262	273	300	315	314	317	320
TOTAL	95,840	107,513	123,545	140,254	155,320	168,158	180,884	190,867	200,320	210,922	216,187

¹ Excluding pedal cycles , but including government vehicles

Table 1.2 - Registration of Vehicles , (as at June 1998)

Type of vehicle	No. of Vehicles at 31.12.97	Imported Vehicles		Re - Registered Vehicles	Vehicles off the Road ¹	No. of Vehicles at 30.06.98	Net Addition
		New	Second - Hand				
Car	48,390	1,122	546	281	577	49,762	+ (1,372)
Dual Purpose Vehicle	27,050	920	241	163	177	28,197	+ (1,147)
Motor Cycle	22,839	383	8	192	299	23,123	+ (284)
Auto Cycle	82,567	1,732	12	542	766	84,087	+ (1,520)
Lorry and Truck	9,356	131	68	61	112	9,504	+ (148)
Van	12,469	678	125	66	136	13,202	+ (733)
Bus	2,359	63	--	2	57	2,367	+ (8)
Other	5,892	81	9	37	74	5,945	+ (53)
TOTAL	210,922	5,110	1,009	1,344	2,198	216,187	+ (5,265)

¹ Unlicensed either temporarily or permanently

Table 1.3 - Registration of vehicles by type - Jan. - June (1997 , 1998)

Type of vehicle	New vehicles registered		Re -registration of vehicles		Vehicles off the road	
	Jan. - June 1997	Jan. - June 1998	Jan. - June 1997	Jan. - June 1998	Jan. - June 1997	Jan. - June 1998
	Car	979	1,122	916	827	598
Dual Purpose Vehicle	724	920	642	404	165	177
Motor Cycle	388	383	190	200	285	299
Auto Cycle	1,649	1,732	611	554	803	766
Lorry and Truck	84	131	131	129	108	112
Van	428	678	92	191	112	136
Bus	63	63	1	2	55	57
Other	96	81	58	46	83	74
TOTAL	4,411	5,110	2,641	2,353	2,209	2,198

Table 2.1 - Comparison of Road Traffic Accidents¹, Jan. - Jun.(1997 and 1998)

	1997	1998	Change	
	Jan. - Jun.	Jan. - Jun.	Number	%
1. Road Traffic Accidents				
Number of accidents	7,428	8,414	+ 986	+ 13.3
Fatal accident	60	65	+ 5	+ 8.3
Serious injury accident	93	107	+ 14	+ 15.1
Slight injury accident	1,173	1,241	+ 68	+ 5.8
Non injury accident	6,102	7,001	+ 899	+ 14.7
Rate per 100,000 population ³	1,364	1,512	N.A ²	N.A ²
Rate per 1,000 registered motor-vehicles ³	75	80	N.A ²	N.A ²
2. Motor-vehicles involved				
Number of vehicles involved	13,274	15,084	+ 1,810	+ 13.6
Rate per 1,000 registered motor-vehicles ³	134	144	N.A ²	N.A ²
3. Casualties				
Total number of casualties	1,729	1,828	+ 99	+ 5.7
Fatal	70	72	+ 2	+ 2.9
Seriously injured	125	129	+ 4	+ 3.2
Slightly injured	1,534	1,627	+ 93	+ 6.1

¹ Exclude number of accidents involving bicycles only

² N.A : Not applicable

³ Based on previous twelve months figures

Table 2.2 - Road traffic accidents ¹ and casualties, January 1988 - June 1998

	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u> (Jan.-Jun.)
1. Road traffic accidents :											
Number	8,259	9,085	10,316	13,439	14,371	14,562	15,727	14,683	14,845	15,954	8,414
Rate per 100,000 population ³	812	893	1,007	1,297	1,369	1,378	1,459	1,350	1,351	1,434	1,512
Rate per 1,000 registered motor vehicles ³	91	89	90	102	97	91	91	78	76	78	80
2. Motor vehicles involved:											
Number	14,153	15,489	17,562	22,835	24,549	25,240	27,203	25,584	26,270	28,561	15,084
Rate per 1,000 registered motor vehicles ³	156	152	153	173	166	156	156	137	135	139	144
3. Casualties:											
Total number of casualties	3,004	3,141	3,575	4,025	4,395	4,160	3,947	3,586	3,774	3,755	1,828
Fatal	122	130	144	168	119	157	154	173	153	146	72
Seriously injured	282	250	315	296	378	322	330	280	238	261	129
Slightly injured	2,600	2,761	3,116	3,561	3,898	3,681	3,463	3,133	3,383	3,348	1,627
4. Fatality :											
Rate per 100,000 population ³	12.0	12.6	13.9	16.2	11.3	14.8	14.3	15.9	13.9	13.1	13.2
Rate per 1,000 registered motor vehicle ³	1.3	1.3	1.3	1.3	0.8	1.0	0.9	0.9	0.8	0.7	0.7
Index ²	4.1	4.1	4.0	4.2	2.7	3.8	3.9	4.8	4.1	3.9	3.9

¹ Exclude number of accidents involving bicycles only

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

³ Based on previous twelve months figures

Table 2.3 - Vehicles¹ involved by type, January 1997 - June 1998

Type of vehicle	1997						1998	
	Jan. - Jun.		Jul. - Dec.		Year		Jan. - Jun.	
	Number	%	Number	%	Number	%	Number	%
Private car	6,164	45.7	6,960	44.9	13,124	45.2	6,975	45.6
Taxi car	1,187	8.8	1,354	8.7	2,541	8.8	1,353	8.9
Bus	1,010	7.5	1,158	7.5	2,168	7.5	1,123	7.3
Lorry	739	5.5	1,054	6.8	1,793	6.2	899	5.9
Van	2,131	15.8	2,450	15.8	4,581	15.8	2,545	16.7
Motor/Auto cycle	1,936	14.3	2,165	14.0	4,101	14.1	2,065	13.5
Other motor vehicle	107	0.8	146	0.9	253	0.9	124	0.8
Total motor vehicles	13,274	98.3	15,287	98.6	28,561	98.5	15,084	98.7
Pedal cycle	212	1.6	198	1.3	410	1.4	188	1.2
Other non motor vehicle	16	0.1	17	0.1	33	0.1	8	0.1
All vehicles	13,502	100.0	15,502	100.0	29,004	100.0	15,280	100.0

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

Table 2.4 - Casualties by class of road users, January 1997 - June 1998

Class of Road users	1997				1998	
	Jan. - Jun.	%	Jul. - Dec.	%	Jan. - Jun.	%
Pedestrian	481	27.8	573	28.3	559	30.6
Passenger	380	22.0	441	21.8	391	21.4
Driver	146	8.4	227	11.2	179	9.8
Rider (Auto / Motor Cycle)	558	32.3	626	30.9	544	29.8
Pedal cyclist	164	9.5	159	7.8	155	8.5
All road users	1,729	100.0	2,026	100.0	1,828	100.0

Table 2.5 - Total number of accidents involving hit and run cases, Jan. 1997 - Jun. 1998

Period	1997		1998
	Jan. - Jun.	Jul. - Dec.	Jan. - Jun.
Vehicles v/s pedestrian	32	37	16
Vehicles v/s vehicles	114	151	101
Total	146	188	117

Fig. 2.1 - casualties by class of road users, 1st semester, 1997 and 1998

