

Road Transport and Road Traffic Accident Statistics (Island of Mauritius)

January – June 2007

1. Vehicles registered as at June 2007

As at 30 June 2007, the number of vehicles registered at the National Transport Authority (NTA) was 326,501. This represents a net increase of 7,061 vehicles (2.2%) as compared to the end of December 2006 when the number of registered vehicles stood at 319,440.

2. Net increase between January and June 2007

Between January and June 2007, the fleet was strengthened with the registration of 9,445 vehicles, of which 6,141 (65%) were new, 2,520 (27%) were imported second-hand and the other 784 (8%) were re-registered vehicles previously put off the road. During the same period, 2,384 vehicles were put off the road, thus resulting in a net addition of 7,061 vehicles to the existing fleet (Table 1.1).

3. Composition of the fleet

The composition of the fleet by type of vehicles is shown in Table 1.2. At the end of June 2007, the fleet consisted of 140,375 motorized two-wheelers (43%), and 139,533 cars and dual purpose vehicles (43%). The remaining 14% comprised 24,666 vans, 12,412 lorries and trucks, 2,717 buses and 6,798 other vehicles.

4. Cars and dual purpose vehicles

The number of cars and dual purpose vehicles increased by 4,401 (3.3%) from 135,132 at the end of December 2006 to 139,533 at the end of June 2007. This net increase resulted from the registration of 5,255 vehicles (2,622 new, 2,205 imported second-hand and 428 re-registered) and the de-registration of another 854 vehicles.

5. Motor cycles and auto cycles

At the end of June 2007, there were 140,375 motor cycles and auto cycles. This represents a net increase of 2,201 (1.6%) against 138,174 at the end of December 2006.

6. Road traffic accidents

From January to June 2007, a total of 10,214 road accidents was reported, of which 1,085 (11%) were casualty accidents and 9,129 (89%) were non-injury accidents. A breakdown of casualty accidents by severity showed that 64 (6%) were fatal accidents, 202 (19%) were serious injury accidents and 819 (75%) were slight injury accidents.

Compared to the same period of 2006, the total number of road accidents increased by 1.8%. Non-injury accidents went down marginally by 0.02% while casualty

accidents rose by the 20.7%. Fatal accidents, serious injury accidents and slight injury accidents increased by 45.5%, 46.4% and 14.2% respectively (Table 2.1).

7. Vehicles involved in road accidents

The number of vehicles (motor and non-motor) involved in road accidents during the period January to June 2007 was 19,931, greater than for the corresponding period of 2006 (19,573). The number of motor vehicles involved in casualty accidents for the period January to June 2007 was 1,585 compared to 1,312 for the same period in 2006, showing an increase of 20.8%.

As shown in Table 2.3, out of all vehicles involved in casualty accidents during the first six months of 2007, around 35% were private cars, 32% motor/auto cycles, 12% vans and 9% buses.

8. Casualties

From January to June 2007, a total of 1,530 casualties (fatalities and persons injured as a result of road accidents) were reported as compared to 1,189 for the corresponding period of 2006, i.e. an increase of 28.7%. The number of fatalities (persons killed as a result of road accidents) increased by 57.8% from 45 to 71, the number of seriously injured persons by 65.8% from 155 to 257 and the number of slightly injured by 21.5% from 989 to 1,202.

Table 2.4 shows that around 32% of the casualties were riders of motor/auto cycles, 28% passengers, 20% pedestrians and 15% drivers.

9. Hit and run cases in casualty accidents

From January to June 2007, 63 'hit and run' accidents involving casualties were reported to police stations against 59 for the corresponding period of last year (Table 2.5). Among the 63 cases, 40 were accidents involving only vehicles while the remaining 23 involved both vehicles and pedestrians.

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Explanatory Notes

A. Vehicle Statistics

1. Data refer to all vehicles registered at the National Transport Authority. Pedal cycles are therefore excluded. The classification of vehicles used in this report, follows the definition given in Section 4 of the Road Traffic Act of 1962.

2. 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 car, dual purpose vehicle, heavy motor car, motor cycle, lorry, van, bus, and tractor;

(b) **non-motorised vehicles**, for example trailer.

3. Definition of some types of vehicles according to the Road Traffic Act 1962.

(a) Motor cycle

A motor cycle is a mechanically propelled vehicle, other than an autocyple or a vehicle classified as an invalid carriage, with not more than four wheels and whose unladen weight does not exceed 400 kilograms.

(b) Auto cycle

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

(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 to be capable of carrying a certain load of goods.

B. Road Traffic Accidents

1. In this report, data on accidents refer to all road accidents reported to police stations and to insurance companies.

2. Road Traffic Accident

A road traffic accident is an accident between two or more vehicles, a vehicle and a cyclist, a vehicle and a pedestrian, a vehicle and a fixed object such as a bridge, building, tree, post, etc, or a single vehicle that overturned on or near a public road.

3. Severity of accident

Road traffic accidents are classified into the following categories according to the severity of the accident:

Fatal accident - an accident resulting in the death of one or more persons. Prior to 2002, a fatal accident was defined as an accident where deaths occurred within 7 days. As from 2002, a fatal accident is defined as an accident where deaths occurred within 30 days.

Serious injury accident - An accident in which one or more persons are seriously injured.

Slight injury accident - An accident in which one or more persons are slightly injured.

Non injury accident - An accident in which no one is killed or injured but which results in damage to the vehicle/s and/or other property only.

The above three categories are jointly referred to as *casualty accident*

4. Casualty

Any person killed or injured in a road accident is referred to as a casualty.

Fatality - Any person killed during an accident, or within 30 days (7 days prior to 2002) as a result of an accident is referred to as a fatality.

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): fractures, concussions, internal injuries, severe cuts and lacerations, crushings and severe general shock requiring medical treatment.

Slight Injury - An injury of minor character such as a sprain, bruise and cut not judged to be severe.

Table 1.1 - Vehicles¹ registered as at June 2007

Type of vehicle	No. of vehicles at 31.12.06	New vehicles Jan. - June 07	Imported second-hand vehicles Jan. - June 07	Re - registered vehicles ² Jan. - June 07	Vehicles off the road ³ Jan. - June 07	No. of vehicles at 30.06.07	Net addition Jan. - June 2007
Car	91,911	1,781	2,137	322	567	95,584	3,673
Dual purpose vehicle	43,221	841	68	106	287	43,949	728
Motor cycle	33,936	1,605	33	174	338	35,410	1,474
Auto cycle	104,238	1,434	8	9	724	104,965	727
Lorry and truck	12,272	117	58	67	102	12,412	140
Van	24,522	113	164	79	212	24,666	144
Bus	2,612	139	-	-	34	2,717	105
Other	6,728	111	52	27	120	6,798	70
Total	319,440	6,141	2,520	784	2,384	326,501	7,061

¹ excluding pedal cycles, but including government vehicles.

² refers to re-registration of vehicles previously off the road.

³ unlicensed either temporarily or permanently.

Table 1.2 - Vehicles ¹ registered by type, Dec. 1997 - Dec. 2006 and June 2007

Type of vehicle	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007 (June)
Car <i>(of which taxi car)</i>	48,390 <i>(4,721)</i>	51,051 <i>(4,761)</i>	52,892 <i>(4,905)</i>	54,911 <i>(5,039)</i>	58,082 <i>(5,318)</i>	63,307 <i>(5,801)</i>	68,524 <i>(5,979)</i>	77,342 <i>(6,482)</i>	84,818 <i>(6,798)</i>	91,911 <i>(6,860)</i>	95,584 <i>(6,857)</i>
Dual purpose vehicle	27,050	29,527	32,262	34,912	36,984	38,129	39,383	40,667	42,026	43,221	43,949
Heavy motor car	934	945	934	916	923	944	958	1,020	1,045	1,118	1,152
Motor cycle	22,839	23,577	24,125	24,523	25,104	25,723	26,744	28,646	30,927	33,936	35,410
Auto cycle	82,567	85,566	88,821	91,955	94,849	97,078	98,858	100,854	102,503	104,238	104,965
Lorry and truck	9,356	9,750	10,138	10,485	10,888	11,236	11,501	11,774	12,047	12,272	12,412
Van	12,469	14,508	16,814	18,807	20,694	21,750	22,496	23,326	23,989	24,522	24,666
Bus	2,359	2,367	2,344	2,394	2,408	2,450	2,460	2,457	2,560	2,612	2,717
Tractor and dumper	2,615	2,627	2,630	2,645	2,683	2,683	2,877	2,935	2,982	3,001	3,006
Prime mover	278	297	315	322	335	349	369	388	412	436	441
Trailer	1,640	1,703	1,719	1,726	1,776	1,770	1,772	1,771	1,765	1,756	1,786
Road roller	108	105	102	100	100	101	100	99	96	96	96
Other	317	321	319	322	323	321	329	326	326	321	317
TOTAL	210,922	222,344	233,415	244,018	255,149	265,841	276,371	291,605	305,496	319,440	326,501

¹ excluding pedal cycles, but including government vehicles.

Table 1.3 - Registration of vehicles by type, Jan. - June 2006 and Jan. - June 2007

Type of vehicle	New vehicles registered		Imported second - hand vehicles registered		Re -registration of vehicles		Vehicles put off the road ²	
	Jan. - June	Jan. - June	Jan. - June	Jan. - June	Jan. - June	Jan. - June	Jan. - June	Jan. - June
	2006	2007	2006	2007	2006	2007	2006	2007
Car	1,614	1,781	2,041	2,137	183	322	571	567
Dual purpose vehicle	767	841	109	68	57	106	279	287
Motor cycle	1,677	1,605	23	33	95	174	334	338
Auto cycle	1,578	1,434	3	8	8	9	731	724
Lorry and truck	128	117	61	58	41	67	103	102
Van	155	113	275	164	55	79	200	212
Bus	91	139	-	-	-	-	38	34
Other	108	111	26	52	9	27	117	120
Total	6,118	6,141	2,538	2,520	448	784	2,373	2,384

¹ refers to re-registration of vehicles previously off the road.

² unlicensed either temporarily or permanently.

Table 2.1 - Road traffic accidents¹, Jan. - June 2006 and Jan. - June 2007

	Jan. - June	Jan. - June	Change	
	2006	2007	Number	%
1. Road traffic accidents	10,030	10,214	+184	+1.8
of which				
Casualty accidents	899	1,085	+186	+20.7
<i>Fatal accident</i> ²	44	64	+20	+45.5
<i>Serious injury accident</i>	138	202	+64	+46.4
<i>Slight injury accident</i>	717	819	+102	+14.2
Non injury accident	9,131	9,129	-2	-0.02
2. Vehicles involved in accidents	19,573	19,931	+358	+1.8
of which				
<i>Motor Vehicles</i>	19,498	19,843	+345	+1.8
<i>Motor-vehicles involved in casualty accidents</i>	1,312	1,585	+273	+20.8
3. Casualties	1,189	1,530	+341	+28.7
<i>Fatal</i> ²	45	71	+26	+57.8
<i>Seriously injured</i>	155	257	+102	+65.8
<i>Slightly injured</i>	989	1202	+213	+21.5

¹ exclude accidents involving bicycles only or bicycle and pedestrian.

² based on definition of fatal accidents where death occurred within 30 days.

Table 2.2 - Road traffic accidents ¹ and casualties, 1997- 2006, Jan. - June 2007

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007 Jan.-June
1. Road traffic accidents :											
Number	15,954	18,055	17,877	18,278	18,517	18,022	19,178	19,495	22,554	20,242	10,214
Rate per 100,000 population	1,433	1,605	1,569	1,588	1,591	1,535	1,616	1,629	1,869	1,665	N/A
Rate per 1,000 registered motor vehicles	78	84	79	77	75	69	72	69	76	65	N/A
2. Motor vehicle involved :											
Number	28,561	32,568	32,547	33,537	33,988	33,119	35,239	35,506	43,741	40,023	19,931
Rate per 1,000 registered motor vehicles	140	152	144	142	137	127	133	126	148	129	N/A
3. Casualties :											
Total number of casualties	3,755	3,828	3,405	3,291	3,264	2,904	2,698	2,951	2,760	2,522	1,530
of which											
<i>Fatal</i> ²	146	162	170	163	126	158	131	144	136	134	71
<i>Seriously injured</i>	261	281	237	266	288	216	291	245	358	348	257
<i>Slightly injured</i>	3,348	3,385	2,998	2,862	2,850	2,530	2,276	2,562	2,266	2,040	1,202
4. Fatality :											
Rate per 100,000 population	13.1	14.4	14.9	14.2	10.8	13.5	11.0	12.0	11.3	11.0	N/A
Rate per 1,000 registered motor vehicles	0.7	0.8	0.8	0.7	0.5	0.6	0.5	0.5	0.4	0.4	N/A
Fatality index ³	3.9	4.2	5.0	5.0	3.9	5.4	4.8	4.9	4.9	5.3	N/A

¹ exclude accidents involving bicycles only or bicycle and pedestrian.

² from 1993 to 2001 figures are based on definition of fatal accidents where death occurred within 7 days.

as from 2002, figures are based on definition of fatal accidents where deaths occurred within 30 days.

³ fatality index is the number of fatalities per 100 casualties.

N / A : Not applicable

Table 2.3 - Vehicles¹ involved in casualty accidents by type, January 2006 - June 2007

Type of vehicle	2006						2007	
	Jan. - June		Jul. - Dec.		Year		Jan. - June	
	Number	%	Number	%	Number	%	Number	%
Private car	476	34.0	572	35.6	1,048	34.9	588	35.1
Taxi car	39	2.8	54	3.4	93	3.1	50	3.0
Bus	108	7.7	88	5.5	196	6.5	143	8.6
Lorry	47	3.4	53	3.3	100	3.3	60	3.6
Van	166	11.9	207	12.9	373	12.4	199	11.9
Motor/auto cycle	462	33.0	521	32.4	983	32.6	541	32.3
Other motor vehicles	14	1.0	18	1.1	32	1.1	4	0.2
Total motor vehicles	1,312	93.8	1,513	94.1	2,825	93.9	1,585	94.7
Pedal cycle	87	6.2	95	5.9	182	6.1	88	5.3
Other non motor vehicles	0	0	0	0	0	0	0	0
All vehicles	1,399	100.0	1,608	100.0	3,007	100.0	1,673	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 2006 - June 2007

Class of road users	2006				2007	
	Jan. - June		Jul. - Dec.		Jan. - June	
	Number	%	Number	%	Number	%
Pedestrian	267	22.5	299	22.4	306	20.0
Passenger	312	26.2	306	23.0	424	27.7
Driver	127	10.7	200	15.0	231	15.1
Rider (auto/motor cycle)	404	34.0	437	32.8	483	31.6
Pedal cyclist	79	6.6	91	6.8	86	5.6
All road users	1,189	100.0	1,333	100.0	1,530	100.0

Table 2.5 - Casualty accidents involved in "hit and run" cases, January 2006 - June 2007

Accident	2006				2007	
	Jan. - June		Jul. - Dec.		Jan. - June	
	Number	%	Number	%	Number	%
Vehicles v/s pedestrians	27	45.8	30	44.1	23	36.5
Vehicles v/s vehicles	32	54.2	38	55.9	40	63.5
Total	59	100.0	68	100.0	63	100.0