

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

January – June 2008

1. Vehicles registered as at June 2008

As at 30 June 2008, the number of vehicles registered at the National Transport Authority (NTA) was 342,344. This represents a net increase of 8,199 vehicles (2.5%) as compared to the end of December 2007 when the number of registered vehicles stood at 334,145.

2. Net increase between January and June 2008

Between January and June 2008, the fleet was strengthened with the registration of 10,587 vehicles, of which 7,185 (68%) were new, 2,940 (28%) were imported second-hand and the other 462 (4%) were re-registered vehicles previously put off the road. During the same period, 2,388 vehicles were put off the road, thus resulting in a net addition of 8,199 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 2008, the fleet consisted of 149,781 cars and dual purpose vehicles (44%) and 145,107 motorized two-wheelers (42%). The remaining 14% comprised 25,097 vans, 12,618 lorries and trucks, 2,764 buses and 6,977 other vehicles.

4. Cars and dual purpose vehicles

The number of cars and dual purpose vehicles increased by 5,376 (3.7%) from 144,405 at the end of December 2007 to 149,781 at the end of June 2008. This net increase resulted from the registration of 6,235 vehicles (3,318 new, 2,655 imported second-hand and 262 re-registered) and the de-registration of another 859 vehicles.

5. Motor cycles and auto cycles

At the end of June 2008, there were 145,107 motor cycles and auto cycles. This represents a net increase of 2,501 (1.8%) against 142,606 at the end of December 2007.

6. Road traffic accidents

From January to June 2008, a total of 10,410 road accidents was reported, of which 1,123 (11%) were casualty accidents and 9,287 (89%) were non-injury accidents. A breakdown of casualty accidents by severity showed that 75 (7%) were fatal accidents, 188 (17%) were serious injury accidents and 860 (76%) were slight injury accidents.

Compared to the same period of 2007 the total number of road accidents increased by 1.9%. Casualty accidents rose by 3.5% and non-injury accidents by the 1.7%. Fatal accidents and slight injury accidents went up by 17.2% and 5.0% respectively while serious injury accidents went down by 6.9% (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 2008 was 20,360, up by 2.2% compared to the corresponding period of 2007 (19,931). The number of motor vehicles involved in casualty accidents during the first semester of 2008 was 1,685 compared to 1,585 for the same period in 2007, representing an increase of 6.3% (Table 2.1).

As shown in Table 2.3, out of all vehicles involved in casualty accidents during the first half of 2008, around 34% were private cars, 31% motor/auto cycles, 13% vans and 8% buses.

8. Casualties

From January to June 2008, a total of 1,551 casualties (fatalities and persons injured as a result of road accidents) were reported as compared to 1,530 for the corresponding period of 2007, i.e. an increase of 1.4%. The number of fatalities (persons killed as a result of road accidents) grew by 7.0% from 71 to 76, the number of slightly injured by 4.2% from 1,202 to 1,253 while the number of seriously injured persons decreased by 13.6% from 257 to 222 (Table 2.1).

Table 2.4 shows that around 32% of the casualties were riders of motor/auto cycles, 27% passengers, 21% pedestrians and 14% drivers.

9. Hit and run cases in casualty accidents

During the first semester of 2008, 75 'hit and run' accidents involving casualties were reported to police stations against 63 for the corresponding period of the preceding year (Table 2.5). Among the 75 cases, 39 were accidents involving only vehicles while the remaining 36 involved both vehicles and pedestrians.

**Central Statistics Office
Ministry of Finance and Economic Development
Port Louis
August 2008**

Contact person:

Mr. A. Poreema

Senior Statistical Officer

(i) National Transport Authority

Tel: 202 2831

(ii) Traffic Management & Road Safety Unit

Tel: 210 8716

Email: cso-transport@mail.gov.mu

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 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) **Auto cycle**

An autocycle 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 2008

Type of vehicle	No. of vehicles at 31.12.07	New vehicles Jan. - Jun. 08	Imported second-hand vehicles Jan. - Jun. 08	Re - registered vehicles ² Jan. - Jun. 08	Vehicles off the road ³ Jan. - Jun. 08	No. of vehicles at 30.06.08	Net addition Jan. - Jun. 2008
Car	99,770	2,501	2,577	197	565	104,480	4,710
Dual purpose vehicle	44,635	817	78	65	294	45,301	666
Motor cycle	36,969	2,091	25	110	335	38,860	1,891
Auto cycle	105,637	1,330	3	2	725	106,247	610
Lorry and truck	12,536	92	54	36	100	12,618	82
Van	24,934	176	170	35	218	25,097	163
Bus	2,753	41	-	-	30	2,764	11
Other	6,911	137	33	17	121	6,977	66
Total	334,145	7,185	2,940	462	2,388	342,344	8,199

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. 1998 - Dec. 2007 and June 2008

Type of vehicle	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008 (June)
Car <i>(of which taxi car)</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>	99,770 <i>(6,885)</i>	104,480 <i>(6,924)</i>
Dual purpose vehicle	29,527	32,262	34,912	36,984	38,129	39,383	40,667	42,026	43,221	44,635	45,301
Heavy motor car	945	934	916	923	944	958	1,020	1,045	1,118	1,223	1,264
Motor cycle	23,577	24,125	24,523	25,104	25,723	26,744	28,646	30,927	33,936	36,969	38,860
Auto cycle	85,566	88,821	91,955	94,849	97,078	98,858	100,854	102,503	104,238	105,637	106,247
Lorry and truck	9,750	10,138	10,485	10,888	11,236	11,501	11,774	12,047	12,272	12,536	12,618
Van	14,508	16,814	18,807	20,694	21,750	22,496	23,326	23,989	24,522	24,934	25,097
Bus	2,367	2,344	2,394	2,408	2,450	2,460	2,457	2,560	2,612	2,753	2,764
Tractor and dumper	2,627	2,630	2,645	2,683	2,683	2,877	2,935	2,982	3,001	3,025	3,031
Prime mover	297	315	322	335	349	369	388	412	436	452	475
Trailer	1,703	1,719	1,726	1,776	1,770	1,772	1,771	1,765	1,756	1,795	1,795
Road roller	105	102	100	100	101	100	99	96	96	96	96
Other	321	319	322	323	321	329	326	326	321	320	316
TOTAL	222,344	233,415	244,018	255,149	265,841	276,371	291,605	305,496	319,440	334,145	342,344

¹ excluding pedal cycles, but including government vehicles.

Table 1.3 - Registration of vehicles by type, Jan. - June 2007 and Jan. - June 2008

Type of vehicle	New vehicles registered		Imported second - hand vehicles registered		Re -registration of vehicles ¹		Vehicles put off the road ²	
	Jan. - Jun.	Jan. - Jun.	Jan. - Jun.	Jan. - Jun.	Jan. - Jun.	Jan. - Jun.	Jan. - Jun.	Jan. - Jun.
	2007	2008	2007	2008	2007	2008	2007	2008
Car	1,781	2,501	2,137	2,577	322	197	567	565
Dual purpose vehicle	841	817	68	78	106	65	287	294
Motor cycle	1,605	2,091	33	25	174	110	338	335
Auto cycle	1,434	1,330	8	3	9	2	724	725
Lorry and truck	117	92	58	54	67	36	102	100
Van	113	176	164	170	79	35	212	218
Bus	139	41	-	-	-	-	34	30
Other	111	137	52	33	27	17	120	121
Total	6,141	7,185	2,520	2,940	784	462	2,384	2,388

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

² unlicensed either temporarily or permanently.

Table 2.1 - Road traffic accidents¹, Jan. - Jun. 2007 and Jan. - Jun. 2008

	Jan - Jun.	Jan - Jun.	Change	
	2007	2008	Number	%
1. Road traffic accidents	10,214	10,410	+ 196	+ 1.9
of which				
Casualty accidents	1,085	1,123	+ 38	+ 3.5
<i>Fatal accident</i> ²	64	75	+ 11	+ 17.2
<i>Serious injury accident</i>	202	188	- 14	- 6.9
<i>Slight injury accident</i>	819	860	+ 41	+ 5.0
Non injury accident	9,129	9,287	+ 158	+ 1.7
2. Vehicles involved in road accidents	19,931	20,360	+ 429	+ 2.2
of which				
<i>Motor Vehicles</i>	19,843	20,247	+ 404	+ 2.0
<i>Motor-vehicles involved in casualty accidents</i>	1,585	1,685	+ 100	+ 6.3
3. Casualties	1,530	1,551	+ 21	+ 1.4
<i>Fatal</i> ²	71	76	+ 5	+ 7.0
<i>Seriously injured</i>	257	222	- 35	- 13.6
<i>Slightly injured</i>	1,202	1,253	+ 51	+ 4.2

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, 1998- 2007, Jan. - Jun. 2008

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008 Jan.-Jun.
1. Road traffic accidents :											
Number	18,055	17,877	18,278	18,517	18,022	19,178	19,495	22,554	20,242	20,519	10,410
Rate per 100,000 population	1,605	1,569	1,588	1,591	1,535	1,616	1,629	1,869	1,665	1,678	N/A
Rate per 1,000 registered motor vehicles	84	79	77	75	69	72	69	76	65	63	N/A
2. Motor vehicle involved :											
Number	32,568	32,547	33,537	33,988	33,119	35,239	35,506	43,741	40,023	41,178	20,360
Rate per 1,000 registered motor vehicles	152	144	142	137	127	133	126	148	129	127	N/A
3. Casualties :											
Total number of casualties of which	3,828	3,405	3,291	3,264	2,904	2,698	2,951	2,760	2,522	3,055	1,551
<i>Fatal</i> ²	162	170	163	126	158	131	144	136	134	140	76
<i>Seriously injured</i>	281	237	266	288	216	291	245	358	348	500	222
<i>Slightly injured</i>	3,385	2,998	2,862	2,850	2,530	2,276	2,562	2,266	2,040	2,415	1,253
4. Fatality :											
Rate per 100,000 population	14.4	14.9	14.2	10.8	13.5	11.0	12.0	11.3	11.0	11.4	N/A
Rate per 1,000 registered motor vehicles	0.8	0.8	0.7	0.5	0.6	0.5	0.5	0.4	0.4	0.4	N/A
Fatality index ³	4.2	5.0	5.0	3.9	5.4	4.8	4.9	4.9	5.3	4.6	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 2007 - June 2008

Type of vehicle	2007						2008	
	Jan. - Jun.		Jul. - Dec.		Year		Jan. - Jun.	
	Number	%	Number	%	Number	%	Number	%
Private car	588	35.1	565	32.9	1,153	34.0	612	34.0
Taxi car	50	3.0	50	2.9	100	3.0	71	4.0
Bus	143	8.6	128	7.5	271	8.0	146	8.1
Lorry	60	3.6	61	3.6	121	3.6	60	3.3
Van	199	11.9	219	12.8	418	12.3	237	13.2
Motor/auto cycle	541	32.3	599	34.9	1,140	33.6	557	31.0
Other motor vehicles	4	0.2	5	0.3	9	0.3	2	0.1
Total motor vehicles	1,585	94.7	1,627	94.8	3,212	94.8	1,685	93.7
Pedal cycle	88	5.3	89	5.2	177	5.2	113	6.3
Other non motor vehicles	-	-	-	-	-	-	-	-
All vehicles	1,673	100.0	1,716	100.0	3,389	100.0	1,798	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 2007 - June 2008

Class of road users	2007				2008	
	Jan. - Jun.		Jul. - Dec.		Jan. - Jun.	
	Number	%	Number	%	Number	%
Pedestrian	306	20.0	302	19.8	323	20.7
Passenger	424	27.7	410	26.9	414	26.6
Driver	231	15.1	199	13.0	215	13.8
Rider (auto/motor cycle)	483	31.6	527	34.6	492	31.6
Pedal cyclist	86	5.6	87	5.7	113	7.3
All road users	1,530	100.0	1,525	100.0	1,557	100.0

Table 2.5 - Casualty accidents involved in "hit and run" cases, January 2007 - June 2008

Accident	2007				2008	
	Jan. - Jun.		Jul. - Dec.		Jan. - Jun.	
	Number	%	Number	%	Number	%
Vehicles v/s pedestrians	23	36.5	28	43.1	36	48.0
Vehicles v/s vehicles	40	63.5	37	56.9	39	52.0
Total	63	100.0	65	100.0	75	100.0