

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

January – June 2011

1. Vehicles registered as at June 2011

As at 30 June 2011, the number of vehicles registered at the National Transport Authority (NTA) was 392,276. This represents a net increase of 8,161 (2.1%) vehicles as compared to the end of December 2010 when the number of registered vehicles stood at 384,115 (Table 1.1).

2. Net increase between January and June 2011

Between January and June 2011, the fleet was strengthened with the registration of 10,602 vehicles, of which 7,762 (73.2%) were new, 2,324 (21.9%) were imported second-hand and the other 516 (4.9%) were re-registered vehicles previously put off the road. During the same period, 2,441 vehicles were put off the road. The net addition to the existing fleet worked out to 8,161 (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 2011, the fleet consisted of 180,268 cars and dual purpose vehicles (46.0%) and 162,531 motorized two-wheelers (41.4%). The remaining 12.6% comprised 25,974 vans, 13,368 lorries and trucks, 2,883 buses and 7,252 other vehicles.

4. Cars and dual purpose vehicles

The number of cars and dual purpose vehicles increased by 4,634 (2.6%) from 175,634 at the end of December 2010 to 180,268 at the end of June 2011. This net increase resulted from the registration of 5,526 vehicles (3,337 new, 1,947 imported second-hand and 242 re-registered) and the de-registration of another 892 vehicles.

5. Motor cycles and auto cycles

At the end of June 2011, there were 162,531 motor cycles and auto cycles. This represents a net increase of 3,202 (2.0%) against 159,329 at the end of December 2010.

6. Road traffic accidents

From January to June 2011, a total of 11,426 road accidents was reported, of which 1,300 (11.4%) were casualty accidents and 10,126 (88.6%) were non-injury accidents. A breakdown of casualty accidents by severity showed that 63 (4.8%) were fatal accidents, 244 (18.8%) were serious injury accidents and 993 (76.4%) were slight injury accidents (Table 2.1).

Compared to the same period of 2010, the total number of road accidents increased by 1.8%. Casualty accidents rose by 4.3% and non-injury accidents by 1.5%. The number of

fatal accidents went down by 3.1% whilst serious and slight injury accidents increased by 4.7% (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 2011 was 20,191, up by 0.7% compared to the corresponding period of 2010 (20,050). The number of motor vehicles involved in casualty accidents during the first semester of 2011 was 20,102, up by 0.9% compared to 1,880 for the same period in 2010 (Table 2.1).

As shown in Table 2.3, out of all vehicles involved in casualty accidents during the first half of 2011, around 32.1% were private cars, 40.6% motor/auto cycles, 11.7% vans and 7.1% buses.

8. Casualties

From January to June 2011, a total of 1,693 casualties (fatalities and persons injured as a result of road accidents) were reported as compared to 1,836 for the corresponding period of 2010, i.e. a decrease of 7.8%. The number of fatalities (persons killed as a result of road accidents) went up by 12.9% from 70 to 79 and the number of seriously injured rose by 3.1% from 287 to 296. On the other hand the number of slightly injured persons decreased by 10.9% from 1,479 to 1,318 (Table 2.1).

Table 2.4 shows that around 36.3% of the casualties were riders of motor/auto cycles, 29.6% passengers, 16.5% pedestrians and 15.2% drivers.

9. Hit and run cases in casualty accidents

During the first six months of 2011, 81 'hit and run' accidents involving casualties were reported to police stations against 96 for the corresponding period of the preceding year (Table 2.5). Among the 81 cases, 38 were accidents involving only vehicles while the remaining 43 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 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 2011

Type of vehicle	No. of vehicles at 31.12.10	New vehicles Jan. - June 11	Imported second-hand vehicles Jan. - June 11	Re - registered vehicles ² Jan. - June 11	Vehicles off the road ³ Jan. - June 11	No. of vehicles at 30.06.11	Net addition Jan. - June 2011
Car	127,363	2,721	1,906	171	557	131,604	4,241
Dual purpose vehicle	48,271	616	41	71	335	48,664	393
Motor cycle	48,655	2,439	40	175	348	50,961	2,306
Auto cycle	110,674	1,593	4	1	702	111,570	896
Lorry and truck	13,186	107	144	39	108	13,368	182
Van	25,914	154	119	37	250	25,974	60
Bus	2,845	74	-	1	37	2,883	38
Other	7,207	58	70	21	104	7,252	45
Total	384,115	7,762	2,324	516	2,441	392,276	8,161

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, December 2001 - December 2010 and June 2011

Type of vehicle	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011 (June)
Car	58,082	63,307	68,524	77,342	84,818	91,911	99,770	109,507	117,890	127,363	131,604
<i>(of which taxi car)</i>	<i>(5,318)</i>	<i>(5,801)</i>	<i>(5,979)</i>	<i>(6,482)</i>	<i>(6,798)</i>	<i>(6,860)</i>	<i>(6,885)</i>	<i>(6,941)</i>	<i>(6,921)</i>	<i>(6,924)</i>	<i>(6,912)</i>
Dual purpose vehicle	36,984	38,129	39,383	40,667	42,026	43,221	44,635	46,021	47,146	48,271	48,664
Heavy motor car	923	944	958	1,020	1,045	1,118	1,223	1,290	1,275	1,249	1,248
Motor cycle	25,104	25,723	26,744	28,646	30,927	33,936	36,969	40,804	44,222	48,655	50,961
Auto cycle	94,849	97,078	98,858	100,854	102,503	104,238	105,637	107,184	108,713	110,674	111,570
Lorry and truck	10,888	11,236	11,501	11,774	12,047	12,272	12,536	12,726	12,950	13,186	13,368
Van	20,694	21,750	22,496	23,326	23,989	24,522	24,934	25,334	25,622	25,914	25,974
Bus	2,408	2,450	2,460	2,457	2,560	2,612	2,753	2,762	2,803	2,845	2,883
Tractor and dumper	2,683	2,683	2,877	2,935	2,982	3,001	3,025	3,045	3,102	3,119	3,132
Prime mover	335	349	369	388	412	436	452	505	558	596	620
Trailer	1,776	1,770	1,772	1,771	1,765	1,756	1,795	1,809	1,823	1,821	1,827
Road roller	100	101	100	99	96	96	96	96	97	98	99
Other	323	321	329	326	326	321	320	323	319	324	326
TOTAL	255,149	265,841	276,371	291,605	305,496	319,440	334,145	351,406	366,520	384,115	392,276

¹ excluding pedal cycles, but including government vehicles.

Table 1.3 - Registration of vehicles by type, Jan. - June 2010 and Jan. - June 2011

Type of vehicle	New vehicles registered		Imported second - hand vehicles registered		Re -registration of vehicles ¹		Vehicles put off the road ²	
	Jan. - June 2010	Jan. - June 2011	Jan. - June 2010	Jan. - June 2011	Jan. - June 2010	Jan. - June 2011	Jan. - June 2010	Jan. - June 2011
Car	2,251	2,721	2,493	1,906	403	171	377	557
Dual purpose vehicle	638	616	68	41	79	71	276	335
Motor cycle	2,201	2,439	24	40	300	175	234	348
Auto cycle	1,667	1,593	1	4	0	1	546	702
Lorry and truck	132	107	108	144	52	39	170	108
Van	140	154	177	119	60	37	240	250
Bus	74	74	-	-	-	1	61	37
Other	66	58	31	70	16	21	106	104
Total	7,169	7,762	2,902	2,324	910	516	2,010	2,441

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 2010 and Jan. - June 2011

	Jan. - June 2010 ³	Jan. - June 2011 ⁴	Change ⁴	
			Number	%
1. Road traffic accidents	11,227	11,426	199	1.8
of which				
Casualty accidents	1,246	1,300	54	4.3
<i>Fatal accident</i> ²	65	63	-2	-3.1
<i>Serious injury accident</i>	233	244	11	4.7
<i>Slight injury accident</i>	948	993	45	4.7
Non injury accident	9,981	10,126	145	1.5
2. Vehicles involved in accidents	20,050	20,191	141	0.7
of which				
<i>Motor Vehicles</i>	19,921	20,102	181	0.9
<i>Motor-vehicles involved in casualty accidents</i>	1,880	1,915	35	1.9
3. Casualties	1,836	1,693	-143	-7.8
<i>Fatal</i> ²	70	79	9	12.9
<i>Seriously injured</i>	287	296	9	3.1
<i>Slightly injured</i>	1,479	1,318	-161	-10.9

¹ exclude accidents involving bicycles only or bicycle and pedestrian.

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

³ revised

⁴ provisional

Table 2.2 - Road traffic accidents ¹ and casualties, 2001- 2010, Jan. - June 2011

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 ⁴	2011 ⁵ Jan.-June
1. Road traffic accidents :											
Number	18,517	18,022	19,178	19,495	22,554	20,242	20,519	20,873	19,542	21,256	11,426
Rate per 100,000 population	1,591	1,535	1,616	1,629	1,869	1,665	1,678	1,696	1,579	1,710	N/A
Rate per 1,000 registered motor vehicles	75	69	72	69	76	65	63	61	54	57	N/A
2. Motor vehicle involved :											
Number	33,988	33,119	35,239	35,506	43,741	40,023	41,178	42,910	38,058	41,263	20,102
Rate per 1,000 registered motor vehicles	137	127	133	126	148	129	127	125	106	110	N/A
3. Casualties :											
Total number of casualties of which	3,264	2,904	2,698	2,951	2,760	2,522	3,055	3,435	3,661	3,675	1,693
<i>Fatal</i> ²	126	158	131	144	136	134	140	168	140	158	79
<i>Seriously injured</i>	288	216	291	245	358	348	500	512	516	587	296
<i>Slightly injured</i>	2,850	2,530	2,276	2,562	2,266	2,040	2,415	2,755	3,005	2,930	1,318
4. Fatality :											
Rate per 100,000 population	10.8	13.5	11.0	12.0	11.3	11.0	11.4	13.6	11.3	12.7	N/A
Rate per 1,000 registered motor vehicles	0.5	0.6	0.5	0.5	0.4	0.4	0.4	0.5	0.4	0.4	N/A
Fatality index ³	3.9	5.4	4.8	4.9	4.9	5.3	4.6	4.9	3.8	3.8	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

⁴ revised

⁵ provisional

Table 2.3 - Number of vehicles¹ involved in accidents (causing casualties) by type, January 2010 - June 2011

Type of vehicle	2010 ²						2011 ³	
	Jan. - June		Jul. - Dec.		Year		Jan. - June	
	Number	%	Number	%	Number	%	Number	%
Private car	655	33.4	672	32.3	1,327	32.9	643	32.1
Taxi car	44	2.2	41	2.0	85	2.1	23	1.2
Bus	152	7.8	145	7.0	297	7.4	142	7.1
Lorry	49	2.5	66	3.2	115	2.8	37	1.9
Van	237	12.1	269	12.9	506	12.5	235	11.7
Motor/auto cycle	736	37.6	765	36.8	1,501	37.2	814	40.6
Other motor vehicles	7	0.4	20	1.0	27	0.7	22	1.1
Total motor vehicles	1,880	96.0	1,978	95.2	3,858	95.6	1,916	95.7
Pedal cycle	79	4.0	100	4.8	179	4.4	83	4.1
Other non motor vehicles	0	0.0	0	0.0	0	0	5	0.2
All vehicles	1,959	100.0	2,078	100.0	4,037	100.0	2,004	100.0

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

² revised.

³ provisional

Table 2.4 - Number of casualties by class of road users, January 2010 - June 2011

Class of road users	2010 ¹				2011 ²	
	Jan. - June		Jul. - Dec.		Jan. - June	
	Number	%	Number	%	Number	%
Pedestrian	347	18.9	325	17.7	279	16.5
Passenger	510	27.8	536	29.1	502	29.6
Driver	242	13.2	277	15.0	257	15.2
Rider (auto/motor cycle)	657	35.8	620	33.7	615	36.3
Pedal cyclist	80	4.4	83	4.5	40	2.4
All road users	1,836	100.0	1,841	100.0	1,693	100.0

¹ revised.

² provisional

Table 2.5 - Casualty accidents involved in "hit and run" cases, January 2010 - June 2011

Accident	2010 ¹				2011 ²	
	Jan. - June		Jul. - Dec.		Jan. - June	
	Number	%	Number	%	Number	%
Vehicles v/s pedestrians	54	56.2	34	51.5	43	53.1
Vehicles v/s vehicles	42	43.8	32	48.5	38	46.9
Total	96	100.0	66	100.0	81	100.0

¹ revised.

² provisional