

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

**January – June 2014**

## **1. Vehicles registered as at June 2014**

At the end of June 2014 there were 454,426 vehicles registered at the National Transport Authority (NTA). This represents a net increase of 10,931 vehicles (2.5%) as compared to end of year 2013 when the number of registered vehicles was 443,495 (Table 1.1).

During the first semester of 2014, the fleet was strengthened with the registration of 13,402 vehicles, of which 9,465 (70.6%) were new, 3,527 (26.3%) were imported second-hand and 410 (3.1%) were re-registered vehicles; i.e., those which had been previously put off the road. During the same period 2,471 vehicles were put off the road. The net addition to the existing fleet worked out to 10,931 vehicles (Table 1.1).

## **2. Composition of fleet**

A breakdown of the fleet by type of vehicle is given in Table 1.2. At the end of June 2014, the fleet consisted of 48.1% (218,398) cars, double cab pickup and dual purpose vehicles and 40.6% (184,647) auto/motor cycles. The remaining 11.3% comprised vans (26,755), lorries and trucks (14,148), buses (2,983) and other vehicles (7,495). It is to be noted that, prior to year 2013, double cab pickup was considered as dual purpose vehicles.

## **3. Vehicles used for transport of passengers**

### ***3.1 Cars, double cap pickup and dual purpose vehicles***

At the end of June 2014, the number of cars, double cab pickup and dual purpose vehicles was 218,398, a rise of 3.2% over the figure of 211,586 as at end of December 2013. This increase resulted from the registration of 7,690 such vehicles (4,186 new, 3,314 imported second-hand and 190 re-registered), partly offset by 878 vehicles that were put off the road.

### ***3.2 Buses***

At the end of June 2014, there were 2,983 registered buses, out of which 1,986 or 66.6% were 'public' buses operating with a road service licence. During the first semester of 2014, some 72 new buses were registered while 52 buses were put off the road, resulting in a net increase of 20 buses.

#### **4. Motor cycles and auto cycles**

At the end of June 2014, there were 184,647 motor cycles and auto cycles. This represents a net increase of 3,862 (+2.1%) against 180,785 at the end of December 2013.

#### **5. Road traffic accidents**

The number of road accidents registered during the first semester of 2014 went up by 12.6% to reach 12,668 as compared to 11,248 recorded during the corresponding period of 2013. Among these accidents, the majority, 11,350 (89.6%) were non-injury, 61 fatal, 219 caused serious injuries and 1,038 slight injuries.

Compared to the same period of 2013, casualty accidents went up by 3.9% and non-injury accidents rose by 13.7%. The number of fatal accidents went down by 9.0% whilst serious and slight injury accidents increased by 6.3% and 4.2% respectively (Table 2.1)

#### **6. Vehicles involved in road accidents**

During the first semester of 2014, the total number of vehicles (both motor and non-motor) involved in road accidents was 24,662 (+12.9%) against 21,853 in the corresponding period of the preceding year. The number of motor vehicles involved in accidents resulting in casualties was 1,881 during the first semester of 2014 against 1,880 for the same period of 2013. Table 2.3 shows that 28.5% of these vehicles were private cars, another 41.6% were motor/auto cycles, 6.8% were buses and 6.3 % were vans.

#### **7. Casualties**

The number of casualties (fatalities and persons injured as a result of road accidents) went up by 3.9% from 1,747 during the first semester of 2013 to 1,816 during the corresponding period of 2014. Among the casualties, 65 were fatal, 265 were seriously injured and the remaining 1,486 were slightly injured.

Compared to the corresponding period of 2013, the number of persons who died as a result of road accidents went down by 20.7% from 82 to 65. On the other hand the number of seriously injured persons increased by 5.6% from 251 to 265 and that of slightly injured persons by 5.1% from 1,414 to 1,486 (Table 2.1).

Table 2.4 shows that, among the casualties during the first semester of 2014, some 24.6% were passengers, 40.6% riders of auto/motor cycles, 16.7% pedestrians, 13.6% drivers and 4.5% pedal cyclists.

Out of the 65 persons who died in road accidents during the first semester of 2014, 25 were riders/pillion riders of motorised two wheelers, 15 were pedestrians and 12 were passengers of four wheeled vehicles (Table 2.6).

## **8. Hit and run cases of accidents causing casualties**

During the first six months of 2014, some 88 'hit and run' cases causing casualties were reported as compared to 90 during the same period of 2013. Out of these 88 cases, 60.2% (53) involved vehicles only while the other 39.8% (35) involved both vehicles and pedestrians (Table 2.5).

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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 and subsequent amended Act No. 27 of 2012.

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.

(e) **Double cab pickup**

Double cab pickup means a motor vehicle which has –

- (i) a front passenger cabin which contain 2 rows of seats and is capable of seating a maximum of 4 persons excluding the driver,
- (ii) at least 2 doors capable of being opened separately; and
- (iii) an open pickup area behind the passenger cabin.

## **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.

### **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 as a result of an accident is referred to as a fatality.

#### ***Injury definition***

(i) As from January 2013:

(a) Serious Injury - An injury for which a person is admitted to hospital as an "in-patient" for more than 24 hours.

(b) Slight Injury - An injury for which a person has received medical care but has not been admitted to hospital for more than 24 hours.

(ii) Prior to January 2013:

(a) 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.

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

**Table 1.1 - Vehicles<sup>1</sup> registered as at June 2014**

Type of vehicle	No. of vehicles at 31.12.13	New vehicles Jan. - June 14	Imported second-hand vehicles Jan. - June 14	Re - registered vehicles <sup>2</sup> Jan. - June 14	Vehicles off the road <sup>3</sup> Jan. - June 14	No. of vehicles at 30.06.14	Net addition Jan. - June 2014
Car	160,701	3,606	3,299	149	580	167,175	6,474
Dual purpose vehicle	49,730	-	6	13	171	49,578	- 152
Double cab pickup <sup>4</sup>	1,155	580	9	28	127	1,645	490
Motor cycle	65,827	3,539	31	155	360	69,192	3,365
Auto cycle	114,958	1,226	1	-	730	115,455	497
Lorry and truck	14,061	120	33	20	86	14,148	87
Van	26,624	249	128	29	275	26,755	131
Bus	2,963	72	-	-	52	2,983	20
Other	7,476	73	20	16	90	7,495	19
<b>Total</b>	<b>443,495</b>	<b>9,465</b>	<b>3,527</b>	<b>410</b>	<b>2,471</b>	<b>454,426</b>	<b>10,931</b>

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

<sup>2</sup> Refers to re-registration of vehicles previously off the road.

<sup>4</sup> New category of vehicle defined in Road Traffic Act as amended by Act No. 27 of 2012.

Prior to the year 2013 'double cab pickup' was included in 'dual purpose vehicle'

**Table 1.2 - Vehicles <sup>1</sup> registered by type, December 2004 - December 2013 and June 2014**

Type of vehicle	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014 ( June )
Car	77,342	84,818	91,911	99,770	109,507	117,890	127,363	136,225	147,733	160,701	167,175
<i>(of which taxi car)</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>(6,907)</i>	<i>(6,905)</i>	<i>(6,915)</i>	<i>(6,913)</i>
Dual purpose vehicle	40,667	42,026	43,221	44,635	46,021	47,146	48,271	49,132	50,116	49,730	49,578
Double cab pickup <sup>2</sup>	-	-	-	-	-	-	-	-	-	1,155	1,645
Heavy motor car	1,020	1,045	1,118	1,223	1,290	1,275	1,249	1,230	1,244	1,250	1,265
Motor cycle	28,646	30,927	33,936	36,969	40,804	44,222	48,655	53,410	59,637	65,827	69,192
Auto cycle	100,854	102,503	104,238	105,637	107,184	108,713	110,674	112,296	113,871	114,958	115,455
Lorry and truck	11,774	12,047	12,272	12,536	12,726	12,950	13,186	13,539	13,902	14,061	14,148
Van	23,326	23,989	24,522	24,934	25,334	25,622	25,914	26,090	26,293	26,624	26,755
Bus	2,457	2,560	2,612	2,753	2,762	2,803	2,845	2,912	2,957	2,963	2,983
Tractor and dumper	2,935	2,982	3,001	3,025	3,045	3,102	3,119	3,173	3,202	3,226	3,235
Prime mover	388	412	436	452	505	558	596	650	689	715	720
Trailer	1,771	1,765	1,756	1,795	1,809	1,823	1,821	1,834	1,845	1,846	1,838
Road roller	99	96	96	96	96	97	98	99	101	102	103
Other	326	326	321	320	323	319	324	329	336	337	334
<b>TOTAL</b>	<b>291,605</b>	<b>305,496</b>	<b>319,440</b>	<b>334,145</b>	<b>351,406</b>	<b>366,520</b>	<b>384,115</b>	<b>400,919</b>	<b>421,926</b>	<b>443,495</b>	<b>454,426</b>

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

<sup>2</sup> New category of vehicle defined in Road Traffic Act as amended by Act No. 27 of 2012.

Prior to 2013 double cab pickup was included in Dual Purpose Vehicle

**Table 1.3 - Registration of vehicles by type, Jan. - June 2013 and Jan. - June 2014**

Type of vehicle	New vehicles registered		Imported second - hand vehicles registered		Re -registration of vehicles <sup>2</sup>		Vehicles put off the road <sup>3</sup>	
	Jan. - June 2013	Jan. - June 2014	Jan. - June 2013	Jan. - June 2014	Jan. - June 2013	Jan. - June 2014	Jan. - June 2013	Jan. - June 2014
Car	3,288	3,606	3,111	3,299	153	149	583	580
Dual purpose vehicle	58	-	38	6	22	13	312	171
Double cab pickup <sup>1</sup>	611	580	14	9	27	28	2	127
Motor cycle	3,252	3,539	34	31	167	155	352	360
Auto cycle	1,285	1,226	3	1	3	-	716	730
Lorry and truck	97	120	65	33	32	20	89	86
Van	232	249	170	128	23	29	253	275
Bus	49	72	-	-	-	-	48	52
Other	63	73	39	20	20	16	96	90
<b>Total</b>	<b>8,935</b>	<b>9,465</b>	<b>3,474</b>	<b>3,527</b>	<b>447</b>	<b>410</b>	<b>2,451</b>	<b>2,471</b>

<sup>1</sup> New category of vehicle defined in Road Traffic Act as amended by Act No. 27 of 2012.

<sup>2</sup> Refers to re-registration of vehicles previously off the road.

Prior to 2013 double cab pickup was included in Dual Purpose Vehicle

<sup>3</sup> Unlicensed either temporarily or permanently.



**Table 2.1 - Road traffic accidents<sup>1</sup>, Jan. - June 2013 and Jan. - June 2014**

	Jan. - June 2013 <sup>3</sup>	Jan. - June 2014 <sup>4</sup>	Change <sup>4</sup>	
			Number	%
<b>1. Road traffic accidents</b>	<b>11,248</b>	<b>12,668</b>	<b>1,420</b>	<b>12.6</b>
of which				
Casualty accidents	1,269	1,318	49	3.9
<i>Fatal accident</i> <sup>2</sup>	67	61	-6	-9.0
<i>Serious injury accident</i>	206	219	13	6.3
<i>Slight injury accident</i>	996	1,038	42	4.2
Non injury accident	9,979	11,350	1,371	13.7
<b>2. Vehicles involved in accidents</b>	<b>21,853</b>	<b>24,662</b>	<b>2,809</b>	<b>12.9</b>
of which				
<i>Motor Vehicles</i>	21,773	24,495	2,722	12.5
<i>Motor-vehicles involved in casualty accidents</i>	1,880	1,881	1	0.1
<b>3. Casualties</b>	<b>1,747</b>	<b>1,816</b>	<b>69</b>	<b>3.9</b>
<i>Fatal</i> <sup>2</sup>	82	65	-17	-20.7
<i>Seriously injured</i>	251	265	14	5.6
<i>Slightly injured</i>	1,414	1,486	72	5.1

<sup>1</sup> Exclude accidents involving bicycles only or bicycle and pedestrian.

<sup>2</sup> Based on definition of fatal accidents where death occurred within 30 days.

<sup>3</sup> Revised

<sup>4</sup> Provisional

**Table 2.2 - Road traffic accidents <sup>1</sup> and casualties, 2004- 2013, Jan. - June 2014**

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014 <sup>4</sup> Jan.-June
<b>1. Road traffic accidents :</b>											
Number	19,495	22,554	20,242	20,519	20,873	19,542	21,243	22,387	21,056	23,563	12,668
Rate per 100,000 population <sup>2</sup>	1,647	1,895	1,693	1,709	1,732	1,618	1,755	1,847	1,733	1,936	N/A
Rate per 1,000 registered motor vehicles	69	76	65	63	61	54	57	57	51	55	N/A
<b>2. Motor vehicle involved :</b>											
Number	35,506	43,741	40,023	41,178	42,910	38,058	41,084	41,294	40,759	41,888	24,495
Rate per 1,000 registered motor vehicles	126	148	129	127	125	106	109	105	99	97	N/A
<b>3. Casualties :</b>											
Total number of casualties of which	2,951	2,760	2,522	3,055	3,435	3,661	3,640	3,422	3,653	3,610	1,816
<i>Fatal</i>	144	136	134	140	168	140	158	152	156	136	65
<i>Seriously injured</i>	245	358	348	500	512	516	569	487	549	465	265
<i>Slightly injured</i>	2,562	2,266	2,040	2,415	2,755	3,005	2,913	2,783	2,948	3,009	1,486
<b>4. Fatality :</b>											
Rate per 100,000 population <sup>2</sup>	12.2	11.4	11.2	11.7	13.9	11.6	13.1	12.5	12.8	11.2	N/A
Rate per 1,000 registered motor vehicles	0.5	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.3	N/A
Fatality index <sup>3</sup>	4.9	4.9	5.3	4.6	4.9	3.8	4.3	4.4	4.3	3.8	N/A

<sup>1</sup> Exclude accidents involving bicycles only or bicycle and pedestrian.

<sup>2</sup> Revised

<sup>3</sup> Fatality index is the number of fatalities per 100 casualties.

<sup>4</sup> Provisional

N/A : Not applicable

Note: Per capita indicators have been revised in light of results obtained from the Population Census in 2011.

**Table 2.3 - Number of vehicles<sup>1</sup> involved in accidents (causing casualties) by type, January 2013 - June 2014**

Type of vehicle	2013 <sup>2</sup>						2014 <sup>3</sup>	
	Jan. - June		Jul. - Dec.		Year		Jan. - June	
	Number	%	Number	%	Number	%	Number	%
Private car	603	30.6	613	29.3	1,216	29.9	559	28.5
Taxi car	26	1.3	37	1.8	63	1.5	39	2.0
Bus	105	5.3	126	6.0	231	5.7	133	6.8
Lorry	38	1.9	40	1.9	78	1.9	43	2.2
Van	107	5.4	103	4.9	210	5.2	123	6.3
Motor/auto cycle	801	40.6	867	41.4	1,668	41.0	817	41.6
Other motor vehicles	200	10.1	199	9.5	399	9.8	167	8.5
<b>Total motor vehicles</b>	<b>1,880</b>	<b>95.3</b>	<b>1,985</b>	<b>94.8</b>	<b>3,865</b>	<b>95.1</b>	<b>1,881</b>	<b>95.9</b>
Pedal cycle	93	4.7	108	5.2	201	4.9	81	4.1
Other non motor vehicles	0	0.0	0	0.0	0	0.0	0	0.0
<b>All vehicles</b>	<b>1,973</b>	<b>100.0</b>	<b>2,093</b>	<b>100.0</b>	<b>4,066</b>	<b>100.0</b>	<b>1,962</b>	<b>100.0</b>

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

<sup>2</sup> Revised.

<sup>3</sup> Provisional

**Table 2.4 - Number of casualties by class of road users, January 2013 - June 2014**

Class of road users	2013 <sup>1</sup>				2014 <sup>2</sup>	
	Jan. - June		Jul. - Dec.		Jan. - June	
	Number	%	Number	%	Number	%
Pedestrian	302	17.3	317	17.0	304	16.7
Passenger	393	22.5	431	23.1	447	24.6
Driver	261	14.9	241	12.9	246	13.6
Rider (auto/motor cycle)	708	40.5	767	41.2	738	40.6
Pedal cyclist	83	4.8	107	5.7	81	4.5
<b>All road users</b>	<b>1,747</b>	<b>100.0</b>	<b>1,863</b>	<b>100.0</b>	<b>1,816</b>	<b>100.0</b>

<sup>1</sup> Revised.

<sup>2</sup> Provisional

**Table 2.5 - Casualty accidents involved in "hit and run" cases, January 2013 - June 2014**

Accident	2013				2014 <sup>1</sup>	
	Jan. - June		Jul. - Dec.		Jan. - June	
	Number	%	Number	%	Number	%
Vehicles v/s pedestrians	38	42.2	45	44.1	35	39.8
Vehicles v/s vehicles	52	57.8	57	55.9	53	60.2
<b>Total</b>	<b>90</b>	<b>100.0</b>	<b>102</b>	<b>100.0</b>	<b>88</b>	<b>100.0</b>

<sup>1</sup> Provisional.

**Table 2.6 - Number of fatalities by category of road users and age-group, January to June 2014**

<b>Category of road users</b> <b>Age - group (years)</b>	<b>Cyclists</b>	<b>Drivers of four wheeled vehicles</b>	<b>Passengers of four wheeled vehicles</b>	<b>Pedestrians</b>	<b>Riders / pillion riders of motorised two - wheelers</b>	<b>Total</b>
<b>Under 5</b>	-	-	-	-	-	-
<b>5 - 14</b>	1	-	2	-	-	<b>3</b>
<b>15 - 29</b>	1	1	2	1	9	<b>14</b>
<b>30 - 44</b>	1	4	4	3	7	<b>19</b>
<b>45 - 59</b>	2	-	2	3	6	<b>13</b>
<b>60 - 69</b>	1	2	2	3	3	<b>11</b>
<b>Over 69</b>	-	-	-	5	-	<b>5</b>
<b>All ages</b>	<b>6</b>	<b>7</b>	<b>12</b>	<b>15</b>	<b>25</b>	<b>65</b>