

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

January – June 2000

1. Vehicles registered as at June 2000

The number of vehicles registered with the National Transport Authority (N.T.A) as at end of June 2000 was 238,624. This shows a net increase of 5,209 vehicles (2.2 %) as compared to end December 1999 when the number of registered vehicles stood at 233,415. (Table 1.1)

The composition of the fleet by type of vehicle shows that around 48.1% (114,689) were motorized two-wheelers, 36.6 % (87,448) were cars and dual purpose vehicles while the remaining 15.3 % comprised vans (17,804), lorries and trucks (10,289), buses (2,382) and other vehicles (6,012). (Table 1.2)

2. Net increase between January and June 2000

Between January and June 2000, the fleet was strengthened with the registration of 7,457 vehicles, of which 4,991 (67 %) were new, 1,126 (15 %) were imported second-hand and the other 1,340 (18 %) consisted of re-registered vehicles. However, during the same period, 2,248 vehicles were put off the road, so that the effective addition to the fleet from January to June 2000 was 5,209 vehicles. (Table 1.3)

3. Cars and dual purpose vehicles

During the first semester of year 2000, 3,079 cars and dual purpose vehicles (1,896 new, 717 imported second-hand and 466 re-registered) were registered with the NTA. However, with 785 vehicles put off the road, the net increase during the same period turned out to be 2,294. This shows an increase of 2.7 % to reach 87,448 vehicles as at end of June as compared to a total of 85,154 vehicles of this category at end December 1999.

4. Road traffic accidents

The number of road accidents reported at police stations during the first semester of year 2000 stood at 8,927 reflecting an increase of 2.2% as compared to 8,736 accidents recorded during the same period of 1999.

The majority of accidents (7807 or 87%) did not entail any injury to the persons involved; another 963 resulted in only slight injuries, while 101 caused serious injuries and 56 were fatal. Compared to the first semester of 1999 decreases of 32% and 15 % are noted in 'fatal cases' and 'slight injury' cases respectively. On the other hand,

an increase of 6 % is observed in the number of accidents involving serious injuries. (Table 2.1)

5. Vehicles involved in road accidents

The total number of vehicles involved in road accidents from January to June 2000 numbered 16,420 indicating an increase of 3.3% as compared to the corresponding period of 1999 when the number of vehicles involved was 15,901.

Private cars, vans and motor/auto cycles together accounted for around 77% of all vehicles involved representing 46.8%, 19.2% and 11.4% respectively. More details are given in Table 2.3.

6. Casualties

The total number of casualties reported during the first semester of this year declined to 1,505 as compared to 1,707 during the corresponding period in 1999 (Table 2.1). Of these casualties, 68 were fatal cases, 143 were seriously injured and the remaining 1,294 were only slightly injured. Despite the slight increase in the number of accidents, it is observed that the number of 'fatal' cases and 'slightly injured' cases decreased of 18 (21%) and 220 (15%) respectively as compared to the corresponding period in 1999. On the other hand, the number of 'seriously injured' cases increased by 36 (34%). The fatality rate per 100,000 population decreased by 14% from 15.5 in the first semester of 1999 to 13.3 in the corresponding period of year 2000. Similarly, the fatality rate per 1,000 registered motor vehicles, declined from 0.8 to 0.7.

The most vulnerable road users were pedestrians, passengers and riders of motor cycles/auto cycles, accounting for 25.2%, 28.3% and 30.7% of total casualties respectively (Table 2.4).

7. Hit and run cases

There were 172 "hit and run" cases reported at police stations during the first semester of 2000 compared to 152 during the same period of last year. Of these 160 were accidents involving vehicles only while the remaining 12 involved vehicles and pedestrians. (Table 2.5)

**Central Statistical Office
Ministry of Economic Development, Financial Services and Corporate Affairs
Port Louis**

September 2000

Definitions and General Notes

A. Vehicle Statistics:

- I. 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, tractor, and
 - (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) **Autocycle**

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 Accident Statistics:

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

Table 1.1 - Vehicles registered as at June 2000

Type of vehicle	No. of vehicles at 31.12.99	New vehicles	Imported second - hand vehicles	Re - registered vehicles	Vehicles off the road ¹	No. of vehicles at 30.06.00	Net addition
Car	52,892	865	368	309	585	53,849	+ (957)
Dual purpose vehicle	32,262	1,031	349	157	200	33,599	+ (1,337)
Motor cycle	24,125	287	13	174	305	24,294	+ (169)
Auto cycle	88,821	1,816	5	520	767	90,395	+ (1,574)
Lorry and truck	10,138	93	112	62	116	10,289	+ (151)
Van	16,814	779	271	86	146	17,804	+ (990)
Bus	2,344	73	--	2	37	2,382	+ (38)
Other	6,019	47	8	30	92	6,012	- (7)
Total	233,415	4,991	1,126	1,340	2,248	238,624	+ (5,209)

¹ Unlicensed either temporarily or permanently

Table 1.2 - Vehicles¹ registered by type, Dec. 1990 - Dec. 1999, June 2000

Type of vehicle	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000 (June)
Car (of which taxi car)	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)	51,051 (4,761)	52,892 (4,905)	53,849 (4,933)
Dual purpose vehicle	12,877	14,343	16,246	17,882	20,023	22,086	24,382	27,050	29,527	32,262	33,599
Heavy motor car	695	766	799	826	848	898	922	934	945	934	925
Motor cycle	11,937	14,740	16,880	18,829	20,461	21,492	22,230	22,839	23,577	24,125	24,294
Auto cycle	45,157	53,834	60,859	66,711	72,509	76,317	79,524	82,567	85,566	88,821	90,395
Lorry and truck	6,564	7,226	7,776	8,166	8,559	8,815	9,058	9,356	9,750	10,138	10,289
Van	6,637	7,602	8,749	9,663	10,292	10,851	11,434	12,469	14,508	16,814	17,804
Bus	1,929	2,021	2,097	2,217	2,276	2,362	2,348	2,359	2,367	2,344	2,382
Tractor and dumper	2,156	2,274	2,356	2,413	2,478	2,546	2,580	2,615	2,627	2,630	2,632
Prime mover	185	197	212	228	249	256	262	278	297	315	311
Trailer	1,155	1,231	1,288	1,333	1,428	1,534	1,597	1,640	1,703	1,719	1,721
Road roller	94	96	100	106	106	107	106	108	105	102	101
Other	243	251	262	273	300	315	314	317	321	319	322
Total	123,545	140,254	155,320	168,158	180,884	190,867	200,320	210,922	222,344	233,415	238,624

¹ Excluding pedal cycles, but including government vehicles

Table 1.3 - Registration of vehicles by type , Jan. - June 1999 and Jan. - June 2000

Type of vehicle	New vehicles registered		Imported second - hand vehicles registered		Vehicles re - registered		Vehicles put off the road	
	Jan. - June		Jan. - June		Jan. - June		Jan. - June	
	1999	2000	1999	2000	1999	2000	1999	2000
Car	865	865	338	368	249	309	588	585
Dual purpose vehicle	956	1,031	363	349	146	157	196	200
Motor cycle	423	287	15	13	184	174	308	305
Auto cycle	1,714	1,816	8	5	556	520	763	767
Lorry and truck	132	93	123	112	69	62	128	116
Van	1,023	779	288	271	74	86	150	146
Bus	32	73	--	--	2	2	50	37
Other	65	47	29	8	25	30	87	92
Total	5,210	4,991	1,164	1,126	1,305	1,340	2,270	2,248

Table 2.1 - Comparison of road traffic accidents¹ Jan. - June 1999 and Jan. - June 2000

	1999	2000	Change	
	Jan. - June	Jan. - June	Number	%
1. Road traffic accidents				
Number of accidents	8,736	8,927	+ 191	+ 2.2
Fatal accident	82	56	- 26	- 31.7
Serious injury accident	95	101	+6	+ 6.3
Slight injury accident	1,130	963	- 167	- 14.8
Non injury accident	7,429	7,807	+ 378	+ 5.1
Rate per 100,000 population ³	1,623	1,578	N.A ²	N.A ²
Rate per 1,000 registered motor - vehicles ³	83	77	N.A ²	N.A ²
2. Motor- vehicles involved				
Number of vehicles involved	15,901	16,420	+ 519	+ 3.3
Rate per 1,000 registered motor - vehicles ³	150	142	N.A ²	N.A ²
3. Casualties				
Total number of casualties	1,707	1,505	- 202	- 11.8
Fatal	86	68	-18	- 20.9
Seriously injured	107	143	+ 36	+ 33.6
Slightly injured	1,514	1,294	- 220	- 14.5

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 accidents¹ and casualties, 1990 - 1999, Jan. - June 2000

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000 (Jan. - June)
1. Road traffic accidents:											
Number	10,316	13,439	14,371	14,562	15,727	14,683	14,845	15,954	18,055	17,877	8,927
Rate per 100,000 Population	1007	1,297	1,369	1,378	1,459	1,350	1,351	1,434	1,605	1,570	1,578
Rate per 1,000 registered motor vehicles ³	90	102	97	91	91	78	76	78	83	80	77
2. Motor vehicles involved :											
Number	17,562	22,835	24,549	25,240	27,203	25,584	26,270	28,561	32,568	32,547	16,420
Rate per 1,000 registered motor vehicles ³	153	173	166	156	156	137	135	139	150	146	142
3. Casualties :											
Total number of casualties	3,575	4,025	4,395	4,160	3,947	3,586	3,774	3,755	3,828	3,405	1,505
Fatal	144	168	119	157	154	173	153	146	162	170	68
Seriously injured	315	296	378	322	330	280	238	261	281	237	143
Slightly injured	3,116	3,561	3,898	3,681	3,463	3,133	3,383	3,348	3,385	2,998	1,294
4. Fatality :											
Rate per 100,000 population	13.9	16.2	11.3	14.8	14.3	15.9	13.9	13.1	14.4	14.9	13.3
Rate per 1,000 registered motor vehicle ³	1.3	1.3	0.8	1.0	0.9	0.9	0.8	0.7	0.7	0.8	0.7
Index ²	4.0	4.2	2.7	3.8	3.9	4.8	4.1	3.9	4.2	5.0	4.5

¹ Exclude number of accidents involving bicycles only

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

³ Based on previous twelve months figures

Table 2.3 - Vehicles¹ involved in accidents by type, January 1999 - June 2000

Type of vehicle	1999						2000	
	Jan. - June		Jul. - Dec.		Year		Jan - June	
	Number	%	Number	%	Number	%	Number	%
Private car	7,344	45.6	7,805	46.2	15,149	45.9	7,766	46.8
Taxi car	1,413	8.8	1,422	8.4	2,935	8.6	1,412	8.5
Bus	1,095	6.8	1,044	6.2	2,139	6.5	1,100	6.6
Lorry	910	5.7	1,060	6.3	1,970	6.0	943	5.7
Van	2,911	18.1	3,207	19.0	6,118	18.5	3,189	19.2
Motor/auto cycle	2,110	13.1	1,969	11.7	4,079	12.4	1,901	11.4
Other motor vehicle	118	0.7	139	0.8	257	0.8	109	0.7
Total motor vehicles	15,901	98.7	16,646	98.5	32,547	98.6	16,420	98.9
Pedal cycle	189	1.2	209	1.2	398	1.2	160	1.0
Other non motor vehicle	14	0.1	36	0.2	50	0.2	17	0.1
All vehicles	16,104	100.0	16,891	100.0	32,995	100.0	16,597	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 1999 - June 2000

Class of road users	1999				2000	
	Jan. - June		Jul. - Dec.		Jan. - June	
	Number	%	Number	%	Number	%
Pedestrian	512	30.0	451	26.6	380	25.2
Passenger	386	22.6	453	26.6	426	28.3
Driver	147	8.6	176	10.4	132	8.8
Rider (auto / motor cycle)	521	30.5	493	29.0	462	30.7
Pedal cyclist	141	8.3	125	7.4	105	7.0
All road users	1,707	100.0	1,698	100.0	1,505	100.0

Table 2.5 - Total road accidents involving hit and run cases, January 1999 - June 2000

Period Accident	1999				2000	
	Jan. - June		Jul. - Dec.		Jan. - June	
	Number	%	Number	%	Number	%
Vehicles v/s pedestrian	24	15.8	28	14.1	12	7.0
Vehicles v/s vehicles	128	84.2	171	85.9	160	93.0
Total	152	100.0	199	100.0	172	100.0