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Road Transport and Road Traffic Accident Statistics

January – June 2023

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

January – June 2023

1. Vehicles registered as at June 2023

As at end of June 2023, there were 661,553 vehicles registered at the National Land Transport Authority (NLTA). This represents a net increase of 13,377 vehicles (2.1%) as compared to year 2022 when the number of registered vehicles was 648,176 (Table 1.1).

During the first semester of 2023, the fleet was strengthened with the registration of 16,188 vehicles, of which 10,266 (63.4%) were new, 3,943 (24.4%) were imported second-hand and 1,979 (12.2%) were re-registered vehicles; i.e., those which had been previously put off the road. During the same period 2,811 vehicles were put off the road. The net addition to the existing fleet worked out to 13,377 vehicles (Table 1.1).

2. Composition of fleet

A breakdown of the fleet by type of vehicle is given in Table 1.2. As at end of June 2023, 54.5% of the fleet consisted of cars, double cab pickups and dual-purpose vehicles (360,717) and 36.2% of auto/motor cycles (239,596). The remaining 9.3% comprised vans (30,865), lorries and trucks (18,187), buses (3,219) and other vehicles (8,969).

3. Vehicles used for transport of passengers

3.1 *Cars, double cab pickups and dual purpose vehicles*

As at end of June 2023, the number of cars, double cab pickups and dual purpose vehicles was 360,717, a rise of 2.8% over the figure of 350,996 as at end of December 2022. This increase resulted from the registration of 11,139 following types of vehicles (6,384 new, 3,737 imported second-hand and 1,018 re-registered), partly offset by 1,418 vehicles that were put off the road.

3.2 *Buses*

As at end of June 2023, there were 3,219 registered buses, out of which 1,996 (62.0%) were 'public' buses operating with a road service licence. During the first semester of 2023, some 45 new buses were registered, 4 were put off the road, while 1 was re-registered, resulting in an increase of 42 buses.

4. Motor cycles and auto cycles

As at end of June 2023 there were 239,596 motor cycles and auto cycles. This represents a net increase of 3,030 (+1.3%) against 236,566 as at end of December 2022.

5. Road traffic accidents

The number of road accidents registered during the first semester of 2023 went up by 0.5% to reach 17,038 as compared to 16,956 recorded during the corresponding period of 2022. Among these accidents, the majority, 15,774 (92.6%) were non-injury, 70 fatal, 184 caused serious injuries and 1,010 slight injuries.

As compared to the same period of 2022, casualty accidents went up by 24.0%, while non-injury accidents decreased by 1.0%. The number of fatal accidents, serious injury and slight injury accidents increased by 66.7%, 41.5% and 19.2% respectively. (Table 2.1).

6. Vehicles involved in road accidents

During the first semester of 2023, the total number of vehicles (both motor and non-motor) involved in road accidents was 32,993 (-0.8%) against 33,265 in the corresponding period of the preceding year. The number of motor vehicles involved in accidents resulting in casualties was 1,410 during the first semester of 2023 against 1,371 for the same period of 2022. The number of vehicles causing casualty accidents by type were mainly motor/auto cycles (46.7%), cars (34.8%), vans (7.7%) and bus (3.8%) (Table 2.3).

7. Casualties

The number of casualties (fatalities and persons injured as a result of road accidents) increased by 7.3% from 1,393 during the first semester of 2022 to 1,495 in the corresponding period of 2023. Among the casualties during the period January to June 2023, 71 were fatal, 263 were seriously injured and the remaining 1,161 were slightly injured.

As compared to the corresponding period of 2022, the number of persons who died as a result of road accidents went up by 57.8% from 45 to 71, those seriously injured by 6.9% from 246 to 263 and slightly injured by 5.4% from 1,102 to 1,161 (Table 2.1).

Table 2.4 shows that, among the casualties during the first semester of 2023, some 35.7% were riders of auto/motor cycles, 26.1% passengers, 19.9% drivers, 16.1% pedestrians and 2.2 % pedal cyclists.

Out of the 71 persons who died in road accidents during the first semester of 2023, the most vulnerable ones were riders/pillion riders of motorised two wheelers (29) and pedestrians (25) (Table 2.6).

8. Hit and run cases of accidents causing casualties

During the first six months of 2023, some 104 ‘hit and run’ cases causing casualties were reported as compared to 86 during the same period of 2022. Out of these 104 cases, 53.8% (56) involved vehicles only, while 46.2% (48) 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 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 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 - Vehicles¹ registered as at June 2023

Type of vehicle	Number						
	Vehicles as at December 2022	New vehicles Jan. - Jun 23	Imported second-hand vehicles Jan. - Jun 23	Re - registered vehicles ² Jan. - Jun 23	Vehicles off the road ³ Jan. - Jun 23	Vehicles as at June 2023	Net addition Jan. - Jun 2023
Car	292,631	5,706	3,705	850	1,201	301,691	9,060
Dual purpose vehicle	47,739	0	3	17	54	47,705	-34
Double cab pickup	10,626	678	29	151	163	11,321	695
Heavy motor car	1,398	12	1	7	4	1,414	16
Motor cycle	112,087	2,581	13	709	1,002	114,388	2,301
Auto cycle	124,479	676	61	0	8	125,208	729
Lorry and truck	17,848	326	69	107	163	18,187	339
Van	30,675	189	43	118	160	30,865	190
Bus	3,177	45	0	1	4	3,219	42
Tractor and dumper	3,600	39	3	12	35	3,619	19
Prime mover	1,184	14	16	7	17	1,204	20
Trailer	2,277	0	0	0	0	2,277	0
Road roller	110	0	0	0	0	110	0
Other	345	0	0	0	0	345	0
Total	648,176	10,266	3,943	1,979	2,811	661,553	13,377

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, 2013 - 2023(June)

Type of vehicle	Number										
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023 (June)
Car	160,701	173,954	188,299	202,696	218,976	235,598	251,973	264,120	277,066	292,631	301,691
<i>of which taxi car</i>	6,915	6,911	6,907	6,905	6,909	6,907	6,905	6,907	6,907	6,907	6,907
Dual purpose vehicle	49,730	49,503	49,301	48,961	48,603	48,200	48,025	47,908	47,834	47,739	47,705
Double cab pickup	1,155	2,065	2,689	3,542	4,634	5,878	7,083	8,036	9,204	10,626	11,321
Heavy motor car	1,250	1,271	1,284	1,316	1,345	1,367	1,370	1,377	1,380	1,398	1,414
Motor cycle	65,827	72,067	77,603	82,746	88,360	93,636	99,111	103,589	107,725	112,087	114,388
Auto cycle	114,958	115,784	116,085	116,653	117,133	117,489	117,752	118,399	121,838	124,479	125,208
Lorry and truck	14,061	14,243	14,372	14,645	15,024	15,505	16,086	16,512	17,040	17,848	18,187
Van	26,624	26,890	27,229	27,656	28,121	28,506	29,125	29,744	30,323	30,675	30,865
Bus	2,963	3,006	2,980	3,107	3,101	3,086	3,087	3,101	3,151	3,177	3,219
Tractor and dumper	3,226	3,254	3,244	3,251	3,277	3,351	3,427	3,474	3,543	3,600	3,619
Prime mover	715	734	774	817	873	947	1,055	1,120	1,152	1,184	1,204
Trailer	1,846	1,842	1,850	1,853	1,913	1,999	2,085	2,218	2,277	2,277	2,277
Road roller	102	103	103	105	109	110	110	110	110	110	110
Other	337	336	331	328	328	329	340	345	345	345	345
TOTAL	443,495	465,052	486,144	507,676	531,797	556,001	580,629	600,053	622,988	648,176	661,553

¹ Excluding pedal cycles, but including government vehicles.

Table 1.3 - Registration of vehicles by type, January - June 2022 and January - June 2023

Type of vehicle	Number							
	New vehicles registered		Imported second - hand vehicles registered		Re -registration of vehicles ¹		Vehicles put off the road ²	
	Jan. - June 2022	Jan. - June 2023	Jan. - June 2022	Jan. - June 2023	Jan. - June 2022	Jan. - June 2023	Jan. - June 2022	Jan. - June 2023
Car	4,715	5,706	2,994	3,705	944	850	1,223	1,201
Dual purpose vehicle	0	0	3	3	38	17	84	54
Double cab pickup	763	678	7	29	199	151	237	163
Heavy motor car	9	12	1	1	19	7	12	4
Motor cycle	2,648	2,581	6	13	863	709	1,058	1,002
Auto cycle	768	676	1,249	61	0	0	188	8
Lorry and truck	379	326	105	69	139	107	175	163
Van	147	189	69	43	130	118	148	160
Bus	18	45	0	0	3	1	3	4
Tractor and dumper	26	39	1	3	26	12	26	35
Prime mover	7	14	6	16	8	7	8	17
Trailer	0	0	0	0	0	0	0	0
Road roller	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Total	9,480	10,266	4,441	3,943	2,369	1,979	3,162	2,811

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

² Unlicensed either temporarily or permanently.

Table 2.1 - Road traffic accidents¹, January - June 2022 and January-June 2023

	January - June		Change Jan - Jun 2023 over Jan - Jun 2022	
	2022 ²	2023 ³	Number	%
1. Road traffic accidents	16,956	17,038	+ 82	+ 0.5
Casualty accidents	1,019	1,264	+ 245	+ 24.0
Fatal accident ⁴	42	70	+ 28	+ 66.7
Serious injury accident	130	184	+ 54	+ 41.5
Slight injury accident	847	1,010	+ 163	+ 19.2
Non-injury accident	15,937	15,774	-163	-1.0
2. Vehicles involved in accidents	33,265	32,993	-272	-0.8
of which				
<i>Motor Vehicles</i>	33,244	32,958	-286	-0.9
<i>Motor vehicles involved in casualty accidents</i>	1,371	1,410	+ 39	+ 2.8
3. Casualties	1,393	1,495	+ 102	+ 7.3
<i>Fatal⁴</i>	45	71	+ 26	+ 57.8
<i>Seriously injured</i>	246	263	+ 17	+ 6.9
<i>Slightly injured</i>	1,102	1,161	+ 59	+ 5.4

¹ Exclude accidents involving bicycles only or bicycle and pedestrian

² Revised

³ Provisional

⁴ Based on definition of fatal accidents where death occurred within 30 days

Table 2.2 - Road traffic accidents ¹ and casualties, 2013 - 2023 (January - June)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022 ²	2023 Jan.-June
1. Road traffic accidents											
Number	23,563	26,400	28,476	29,277	29,627	29,075	29,644	28,611	28,660	35,513	17,038
Rate per 100,000 population	1,936	2,165	2,333	2,397	2,425	2,379	2,425	2,341	2,346	2,917	<i>Napp</i>
Rate per 1,000 registered motor vehicles	55	58	60	59	57	54	52	49	47	56	<i>Napp</i>
2. Motor vehicle involved											
Number	41,888	51,264	55,617	57,335	58,178	56,962	58,128	56,627	56,663	69,699	32,993
Rate per 1,000 registered motor vehicles	97	113	117	116	112	105	102	96	93	110	<i>Napp</i>
3. Casualties											
Total number of casualties	3,610	3,592	3,722	3,862	4,209	3,718	3,484	2,802	2,371	3,252	1,495
<i>Fatal</i>	136	137	139	144	157	143	144	131	108	108	71
<i>Seriously injured</i>	465	505	530	512	560	597	523	532	418	534	263
<i>Slightly injured</i>	3,009	2,950	3,053	3,206	3,492	2,978	2,892	2,139	1,845	2,610	1,161
4. Fatality											
Rate per 100,000 population	11.2	11.2	11.4	11.8	12.8	11.7	11.8	10.7	8.8	8.9	<i>Napp</i>
Rate per 1,000 registered motor vehicles	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	<i>Napp</i>
Fatality index ³	3.8	3.8	3.7	3.7	3.7	3.8	4.1	4.7	4.6	4.0	<i>Napp</i>

¹ Exclude accidents involving bicycles only or bicycle and pedestrian

² Revised

³ Fatality index is the number of fatalities per 100 casualties

Napp: Not Applicable

Table 2.3 -Number of vehicles¹ involved in accidents (causing casualties) by type, Year 2022 - Jan-Jun 2023

Type of vehicle	2022 ²						2023 ³	
	Jan - June		Jul - Dec		Year		Jan - June	
	Number	%	Number	%	Number	%	Number	%
Private car	467	34.1	679	37.8	1,146	36.2	491	34.8
Taxi car	26	1.9	44	2.4	70	2.2	32	2.3
Bus	84	6.1	130	7.2	214	6.8	53	3.8
Lorry	37	2.7	53	2.9	90	2.8	40	2.8
Van	115	8.4	140	7.8	255	8.0	108	7.7
Motor/auto cycle	613	44.7	721	40.1	1,334	42.1	659	46.7
Other motor vehicles	29	2.1	31	1.7	60	1.9	27	1.9
Total motor vehicles	1,371	100.0	1,798	100.0	3,169	100.0	1,410	100.0
Pedal cycle	16		46		62		32	
All vehicles	1,387	100.0	1,844	100.0	3,231	100.0	1,442	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, Year 2022- Jan-Jun-2023

Class of road users	2022 ¹				2023 ²	
	Jan - Jun	Jul - Dec	Total	%	Jan - Jun	%
Pedestrian	165	214	379	11.7	240	16.1
Passenger	253	378	631	19.4	390	26.1
Driver	474	579	1,053	32.4	298	19.9
Rider (auto/motor cycle)	480	637	1,117	34.3	534	35.7
Pedal cyclist	21	51	72	2.2	33	2.2
Total	1,393	1,859	3,252	100.0	1,495	100.0

¹ Revised² Provisional**Table 2.5 - Number of accidents (causing casualties) involved in "hit and run" cases, Year 2022- Jan-Jun 2023**

Year Accident	2022				2023	
	Jan - Jun	Jul - Dec	Total	%	Jan - Jun	%
Vehicles v/s pedestrian	42	51	93	48.9	48	46.2
Vehicles v/s vehicles	44	53	97	51.1	56	53.8
Total	86	104	190	100.0	104	100.0

Table 2.6 - Number of fatalities by category of road users and age-group, January to June 2023

Category of road users Age - group (years)	Cyclists	Drivers of four wheeled vehicles	Passengers of four wheeled vehicles	Pedestrians	Riders / pillion riders of motorised two - wheelers	Total
Under 5	0	0	0	0	0	0
5 - 14	0	0	0	0	0	0
15 - 29	1	1	3	1	9	15
30 - 44	1	2	2	4	9	18
45 - 59	0	2	3	9	10	24
60 - 69	0	2	0	5	0	7
Over 69	0	0	0	6	1	7
All ages	2	7	8	25	29	71

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