

Economic Indicators

An Occasional Paper

Issue No. 191

30th September 1994

Road Transport and Accident Statistics
(January - June 1994)

MINISTRY OF ECONOMIC PLANNING & DEVELOPMENT
PORT LOUIS
MAURITIUS

Road Transport and Accident Statistics

(January - June 1994)

1.1 Vehicles registered as at June 1994

The number of vehicles registered with the National Transport Authority (N.T.A.) as at the end of June 1994 was 174,000, compared to 168,158 at the end of December 1993, showing a net increase of about 5,800 vehicles during the first semester of 1994.

Over half (51%) of the fleet was made up of motorised two-wheelers (89,100): autocycles 69,500 and motor cycles 19,600. Passenger cars, inclusive of dual purpose vehicles (D.P.V.), constituted 34% of the fleet, goods vehicles, 11%, while buses numbered 2240, or only about 1%.

1.2 Net addition

Between January and June 1994, the fleet was renewed with the addition of 7,900 vehicles (6,200 new and 1,700 second hand). As some 2,100 were put off the road, the net increase works out to 5,800 only. This figure, is lower by 6% than the increase of about 6,200 registered during the corresponding semester of 1993. It is noted that about 700 fewer new vehicles were registered during the first semester of 1994 compared to the corresponding period of 1993.

The net addition of 5,800 vehicles was made up mostly of 1,700 cars and D.P.V, and 3,500 two-wheelers.

Based on present trends it is expected that the total vehicle fleet may reach 180,000 by the end of the year.

1.3 Passenger transport

During the first semester of 1994, about 1,400 new and 1,100 second hand passenger cars were registered, thus bringing the fleet size to 59,100, of which 40,000 were motor cars and 19,000 D.P.V.

During the same period, 84 new buses were licensed, while 64 were put off the road, bringing the total number of buses at June 1994 to 2,240.

2.1 Road accidents

Between January and June 1994, 7,510 accidents were reported at Police Stations. Compared to 6,945 during the corresponding period of 1993, this shows an increase of 8%.

2.2 Casualties

The number of casualties during the first six months of 1994 was 1,907, a decrease of nearly 6% against the 2,034 for the same period last year.

The number of fatal cases dropped by nearly a fifth from 84 to 69. The number of cases involving serious injuries stayed at the same level as in the first semester of 1993. However, the number with slight injuries dropped nearly by 6% from 1,791 to 1,684.

Analysis of casualties by class of road users shows that riders of motor and auto cycles remained the most vulnerable, accounting for 34% of the total number. They were

followed by pedestrians, (31%), passengers (20%) and pedal cyclists (8%).

It is recalled that during the whole year 1993, a total of 14,639 road traffic accidents was reported, resulting in 3,976 casualties of which 155 were fatal.

2.3 Vehicles involved

There were 12,939 vehicles involved in road accidents during the period, that is, about 9% more than the corresponding period of last year. Nearly half (6,425) were passenger cars of which 5,329 were private cars and 1,096 taxis. Motorised two-wheelers accounted for 19% (2,465), goods vehicles 21% or 2,686, and buses about 8% or 1,049.

Central Statistical Office,
Ministry of Economic Planning
and Development,

PORT LOUIS.

September 1994.

I. Vehicle Statistics^{1/}

Definitions

Definitions as stipulated in Section 4 of Road Traffic Act of 1962 for different types of vehicles .

1. Motor Car.

That is to say, mechanically propelled vehicles, other than vehicles classified under this section as motor cycles or invalid carriages which are constructed themselves to carry a load or passengers and whose unladen weight -

(i) in the case of vehicles which are

(A) constructed solely for the carriage of passengers and their effects;

(B) adapted to carry not more than 7 passengers exclusive of the driver; and

(C) fitted with tyres of the prescribed type, does not exceed 3 tons;

(ii) in any other case, does not exceed 2½ tons

2. Heavy Motor Car

That is to say, mechanically propelled vehicles, other than vehicles classified under this section as motor cars, which are constructed themselves to carry a load or passengers and whose unladen weight exceeds 2½ tons.

3. Dual-purpose Vehicle

Means a vehicle, constructed or adapted for the carriage both of passengers and of goods or burden of any description whose unladen weight does not exceed two tons and which either:-

(a) is so constructed or adapted that the driving power of the engine is, or by the appropriate use of the controls of the vehicle can be, transmitted to all the wheels of the vehicle; or

(b) satisfies the following conditions as to construction -

(i) the vehicle is permanently fitted with a rigid roof, with or without a sliding panel,

(ii) the area of the vehicle to the rear of the driver's seat is -

(A) permanently fitted with at least one row of transverse seats (fixed or folding) for 2 or more passengers and those seats are properly sprung or cushioned and provided with upholstered back-rests, attached either to the seats or to a side or the floor of the vehicle; and

and (B) lit on each side and at the rear by a window or windows of glass or other transparent material having an area or aggregate area of not less than 2 square feet on each side and not less than 120 square inches at the rear.

^{1/} excludes pedal cycles

(iii) the distance between the rearmost part of the steering wheel and the backrests of the row of transverse seats satisfying the requirements specified in subparagraph (ii) (A) (or, where there is more than one

row of seats, the distance between the rearmost part of the steering wheel and the backrests of the rearmost row) is, when the seats are ready for use, not less than one-third of distance between the rearmost part of the steering wheel and the rearmost part of the floor of the vehicle.

4. **Motor Cycles**

That is to say, mechanically propelled vehicles, other than auto-cycles or vehicles classified under this section as invalid carriages, with not more than 4 wheels and whose unladen weight does not exceed 400 kilograms.

5. **Auto-Cycles**

That is to say, two-wheeled motor vehicles, with or without pedals, whose engine capacity does not exceed 50 cubic centimetres.

6. **Motor Tractor**

That is to say, mechanically propelled vehicles which are not constructed themselves to carry any load and whose unladen weight does not exceed 7 1/4 tons.

7. **Trailer**

- (a) means a vehicle which has no independent motive power of its own and which is drawn or designed to be drawn, by a motor vehicle,
- (b) does not include a sidecar attached to a motor cycle, nor a farm implement that is not constructed or adapted for the conveyance of goods or burden of any description.

8. **Weight Unladen**

means the weight of a vehicle which:-

- (a) includes the body and all parts (the heavier being taken where alternative bodies or parts are used) which are necessary to or ordinarily used with the vehicle when working on a road;
- (b) excludes the weight of water, fuel or accumulators used for the purpose of the supply of power for the propulsion of vehicle or of loose tools and loose equipment.

II Road Traffic Accidents

Definitions

1. **Casualties**

The total number of fatalities and injuries resulting from road accidents.

2. **Fatalities**

Deaths occurring as a result of road accident if the victim dies within a week the accident occurs.

3. **Injuries**

The reported number of persons seriously or slightly injured in road accidents.

(i) **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.

- (a) fractures
- (b) concussions
- (c) internal injuries
- (d) severe cuts and lacerations
- (e) crushings
- (f) severe general shock requiring medical treatment

(ii) **Slight Injury**

An injury of minor character such as:

- (a) sprain
- (b) bruise
- (c) cut not judged to be severe

4. **Severity of accident**

Each accident is classified according to the degree of injury sustained most by the road users, namely, Fatal, Serious, Slight or No injury.

Table 1.1 - Vehicles¹ Registered, 1984 - 1994

Type of vehicle	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994 (June)
Car	26,274	26,455	27,053	28,337	30,283	31,919	33,916	35,673	37,696	39,511	40,230
Dual Purpose Vehicle	7,212	7,527	8,071	9,207	10,283	11,460	12,877	14,343	16,246	17,882	18,853
Heavy Motor Car	373	400	423	454	517	624	695	766	799	826	833
Motor Cycle	8,882	9,014	9,205	9,436	9,912	10,560	11,937	14,740	16,880	18,829	19,621
Auto Cycle	19,223	19,514	20,359	24,124	29,181	35,844	45,157	53,834	60,859	66,711	69,449
Lorry & Truck	4,671	4,717	4,838	5,057	5,534	5,906	6,564	7,226	7,776	8,166	8,332
Van	3,265	3,440	3,636	4,115	4,788	5,600	6,637	7,602	8,749	9,663	9,949
Bus	1,364	1,369	1,360	1,529	1,771	1,858	1,929	2,021	2,097	2,217	2,240
Tractor & Dumper	1,742	1,788	1,863	1,940	2,013	2,078	2,156	2,274	2,356	2,413	2,472
Prime Mover	116	120	130	145	164	182	185	197	212	228	239
Trailer	976	983	997	1,039	1,083	1,151	1,155	1,231	1,288	1,333	1,383
Road Roller	105	97	91	87	101	98	94	96	100	106	105
Other	166	171	203	207	210	233	243	251	262	273	298
TOTAL	74,369	75,595	78,229	85,677	95,840	107,513	123,545	140,254	155,320	168,158	174,004

¹ Excluding pedal cycles, but including government vehicles

Table 1.2 - Registration of Vehicles , (as at June 1994)

Type of vehicle	No. of Vehicles at 31.12.93	New Vehicles	Used Imported Vehicles	Re - Registered Vehicles	Vehicles off the Road ¹	No. of Vehicles at 30.06.94	Net Addition
Car	39,511	637	539	180	637	40,230	+ (719)
Dual Purpose Vehicle	17,882	737	255	94	115	18,853	+ (971)
Motor Cycle	18,829	937	7	111	263	19,621	+ (792)
Auto Cycle	66,711	3,137	9	308	716	69,449	+ (2,738)
Lorry and Truck	8,166	166	93	31	124	8,332	+ (166)
Van	9,663	318	36	40	108	9,949	+ (286)
Bus	2,217	84	1	2	64	2,240	+ (23)
Other	5,179	139	23	32	43	5,330	+ (151)
TOTAL	168,158	6,155	963	798	2,070	174,004	+ (5,846)

¹ Unlicensed either temporarily or permanently

Table 1.3 - Registration of vehicles by type - Jan. - June (1993 , 1994)

Type of vehicle	New vehicles registered		Re -registration of vehicles		Vehicles off the road	
	Jan. - June 1993	Jan. - June 1994	Jan. - June 1993	Jan. - June 1994	Jan. - June 1993	Jan. - June 1994
Car	748	637	613	719	720	637
Dual Purpose Vehicle	473	737	292	349	142	115
Motor Cycle	1,271	937	82	118	250	263
Auto Cycle	3,568	3,137	182	317	748	716
Lorry and Truck	138	166	120	124	112	124
Van	380	318	282	76	114	108
Bus	153	84	1	3	75	64
Other	114	139	17	55	44	43
TOTAL	6,845	6,155	1,589	1,761	2,205	2,070

Table 2.1 - Road Traffic Accidents¹, Jan. - June(1993,1994)

	1993	1994	Change	
	(Jan - June)	(Jan - June)	Number	%
1. Road Traffic Accidents				
Number of accidents	6,945	7,510	565	+ 8.1
Rate per 100,000 population	661	706	N.A ²	N.A ²
Rate per 1,000 registered motor-vehicles	44	46	N.A ²	N.A ²
2. Motor-vehicles				
Number of vehicles involved	11,667	12,715	1048	+9.0
Rate per 1,000 registered motor-vehicles	74	79	N.A ²	N.A ²
3. Casualties				
Total number of casualties	2,034	1,907	- 127	- 6.2
Fatal	84	69	- 15	- 17.9
Seriously injured	159	154	- 5	- 3.1
Slightly injured	1,791	1,684	- 107	- 6.0

¹ Exclude number of accidents involving bicycles only

² N.A : Not applicable

Table 2.2 - Road traffic accidents ¹ and casualties, 1984 -1994

	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u> (Jan-June)
1. Road traffic accidents :											
Number	4,681	5,035	5,707	7,059	8,259	9,085	10,316	13,439	14,371	14,562	7,510
Rate per 100,000 population	479	511	574	703	812	893	1,007	1,297	1,369	1,378	706
Rate per 1,000 registered motor vehicles	63	67	74	87	91	89	90	102	97	91	46
2. Motor vehicle involved:											
Number	7,538	8,235	9,410	11,869	14,153	15,489	17,562	22,835	24,549	25,240	12,715
Rate per 1,000 registered	102	110	123	147	156	152	153	173	166	156	79
3. Casualties:											
Total number of casualties	2,329	2,685	2,834	3,294	3,004	3,141	3,575	4,025	4,395	4,160	1,907
of which											
Fatal	82	104	109	112	122	130	144	168	119	157	69
Seriously injured	253	266	226	255	282	250	315	296	378	322	154
Slightly injured	1,994	2,315	2,499	2,927	2,600	2,761	3,116	3,561	3,898	3,681	1,684
4. Fatality :											
rate per 100,000 population	8.4	10.6	11.0	11.2	12.0	12.6	13.9	16.2	11.3	14.8	6.5
rate per 1,000 registered motor vehicle	1.1	1.4	1.4	1.4	1.3	1.3	1.3	1.3	0.8	1.0	0.4
index ²	3.5	3.9	3.8	3.4	4.1	4.1	4.0	4.2	2.7	3.8	3.6

¹ Exclude number of accidents involving bicycles only

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

Table 2.3 -Vehicles¹ involved by type of vehicle, 1993-1994

Type of vehicle	1993						1994	
	Jan-June		Jul-Dec		Year		Jan-June	
	Number	%	Number	%	Number	%	Number	%
Private car	4,979	42.0	5,723	41.2	10,702	41.6	5,329	41.2
Taxi car	851	7.2	1,145	8.3	1,996	7.8	1,096	8.5
Bus	982	8.3	1,106	8.0	2,088	8.1	1,049	8.1
Lorry	730	6.2	1,002	7.2	1,732	6.7	796	6.1
Van	1,640	13.9	1,939	13.9	3,569	13.9	1,890	14.6
Motor/Auto cycle	2,334	20.6	2,506	18.1	4,938	19.2	2,465	19.0
Pedal cycle	161	1.4	320	2.3	481	1.9	203	1.6
Other motor vehicle	53	0.4	134	0.9	187	0.7	90	0.7
Other non motor vehicle	4	0.0	8	0.1	12	0.1	21	0.2
All vehicles	11,832	100.0	13,873	100.0	25,705	100.0	12,939	100.0

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

Fig - 2.1 - Vehicles involved in accidents by type , 1993 - 1994

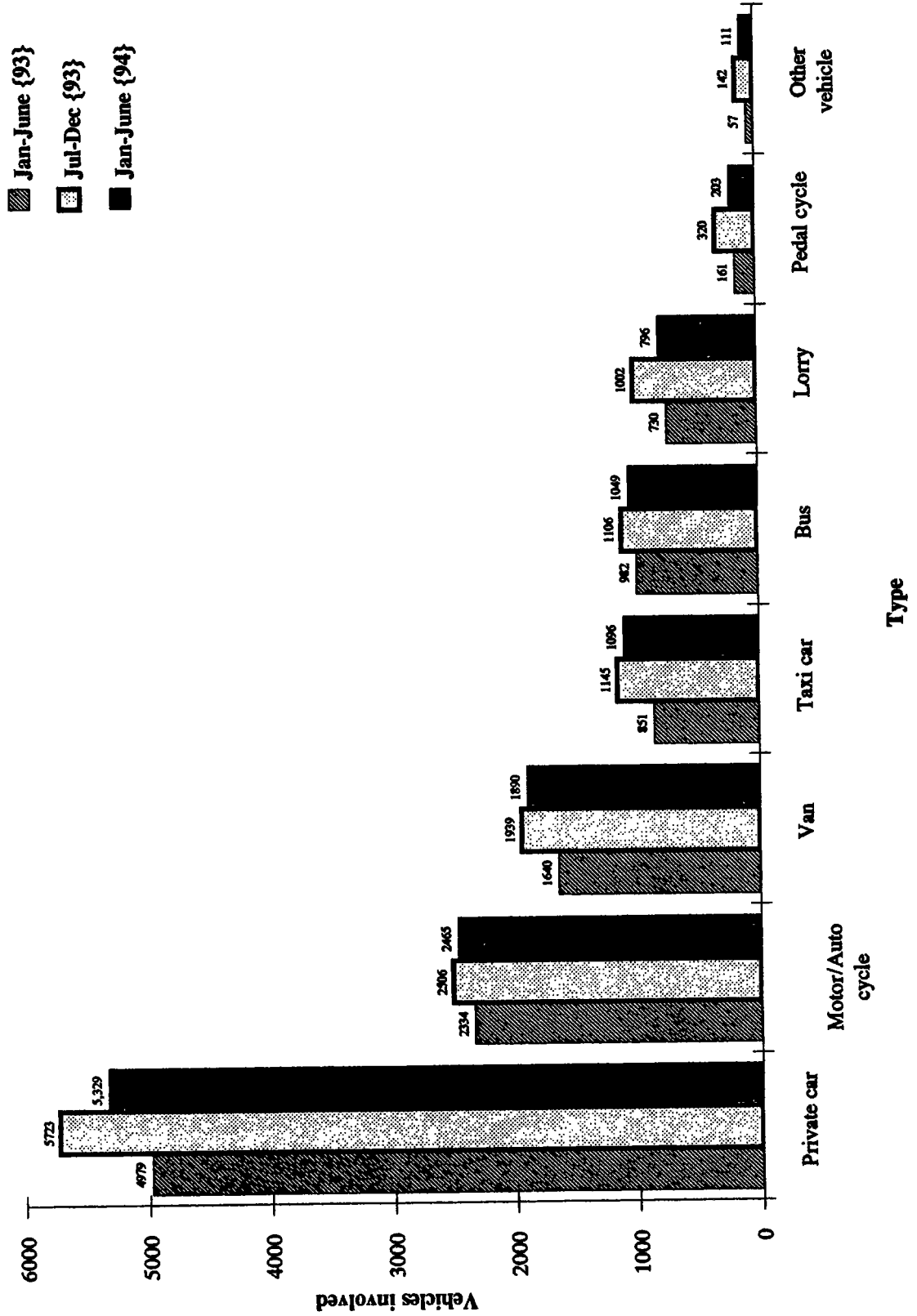
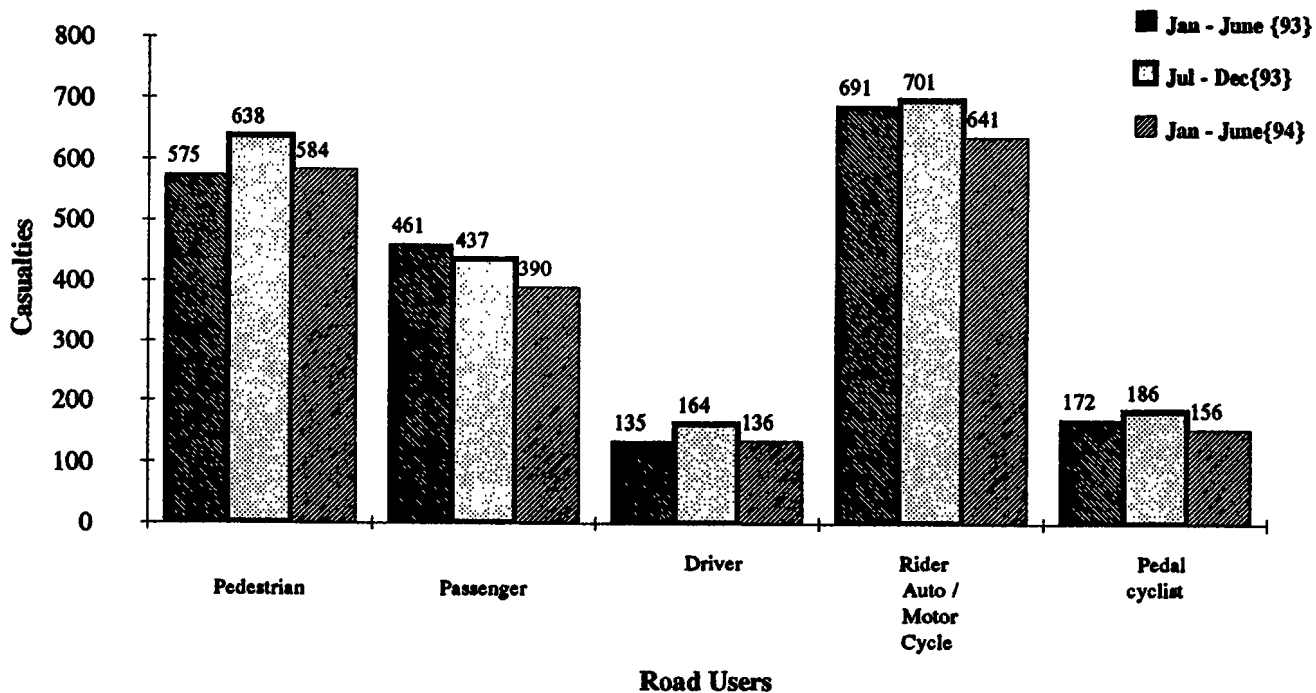


Table 2.4 - Casualties by class of road users, 1993 - 1994

Class of Road users	1993				1994	
	Jan - June	%	Jul - Dec	%	Jan - June	%
Pedestrian	575	28	638	30	584	31
Passenger	461	23	437	21	390	20
Driver	135	7	164	8	136	7
Rider (Auto / Motor Cycle)	691	34	701	33	641	34
Pedal cyclist	172	8	186	9	156	8
All road users	2,034	100	2,126	100	1,907	100

Fig2.2 Casualties by class of road users



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