

Road Transport and Road Accident Statistics (January - June 1996)

1.1 Vehicles registered as at June 1996.

As at end of June 1996, there were about 195,600 vehicles registered at the National Transport Authority (NTA), which represents an increase of around 4,700 or 2.5% over December 1995.

Table 1.1 on the composition of the fleet by type of vehicles shows that about 51% or 100,000 were motor cycles, 34% or 67,500 were passenger cars, and the remaining 15% comprised vans (11,100), lorries (8,900), buses (2,400) and other vehicles (6,000).

1.2 Net addition between January and June 1996

Between January and June 1996, some 6,800 vehicles were registered, of which 4,300 were new, 1,300 used imported and 1,200 re-registered. As during the same period around 2,100 vehicles were put off the road, the net addition works out to about 4,700. This figure compares with 5,150 for the corresponding six months of last year, indicating a drop of around 9% in net additions.

1.3 Passenger cars

During the first six months of 1996, the fleet of passenger cars was renewed by around 2,100 or 3% with 1,363 new and 1,169 second hand. During the same period some 800 were put off the road, which brought the fleet size of passenger cars to 67,500. The number of new and second hand cars registered in the corresponding period of 1995 are 1,467 and 745 respectively.

2.1 Road accidents

Data on road accidents for the period January to June 1996 shows a decline of 2.2% in the number of accidents: 7,165 cases were reported at the police stations against 7,325 in the corresponding period of 1995. Consequently, the rate of accidents per 1,000 registered motor vehicles dropped to 76 from 87 in 1995 (Table 2.1 refers).

2.2 Casualties

During the first semester, the total number of casualties also dropped by around 11% to 1,676 compared to 1,889 for the same period of last year. Of these, 80 were fatal, 92, seriously injured and the remaining 1,504, slightly injured. Decreases of about 10 % and 32 % are noted in "fatal", and "seriously injured" respectively.

As shown in Table 2.4, riders of motor cycle and pedestrians accounted for 33 % and 30 % of the casualties respectively, followed by passengers, 20%.

2.3 Vehicles involved in accidents

The number of vehicles involved in accidents has remained more or less the same as that for the first semester of 1996, that is, at around 12,800. Passenger cars including taxis comprised 6,891 or 54 % of the vehicles involved, whilst two-wheeler motor vehicles represented 17 %, goods vehicles, 19 %, and buses about 8 % (Table 2.3).

2.4 Hit and run cases

The number of hit and run cases recorded by police stations during the first semester of 1996 stood at 150, of which 117 were accidents involving vehicles only and the remaining, vehicles and pedestrians.

Central Statistical Office,
Ministry of Economic Planning and Development,
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Definitions and General Notes

A. Vehicle Statistics:

1. Data refer to all vehicles registered at the National Transport Authority. Pedal cycles are therefore excluded.
2. The classification of vehicles used in this report, follows the definition given in Section 4 of the Road Traffic Act of 1962.
3. **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 etc.

and (b) **non-motorised vehicles**, for example trailer.

B. Road Traffic Accident:

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

Fig. 1.1 - Stock of registered vehicles, 1986 - June 1996

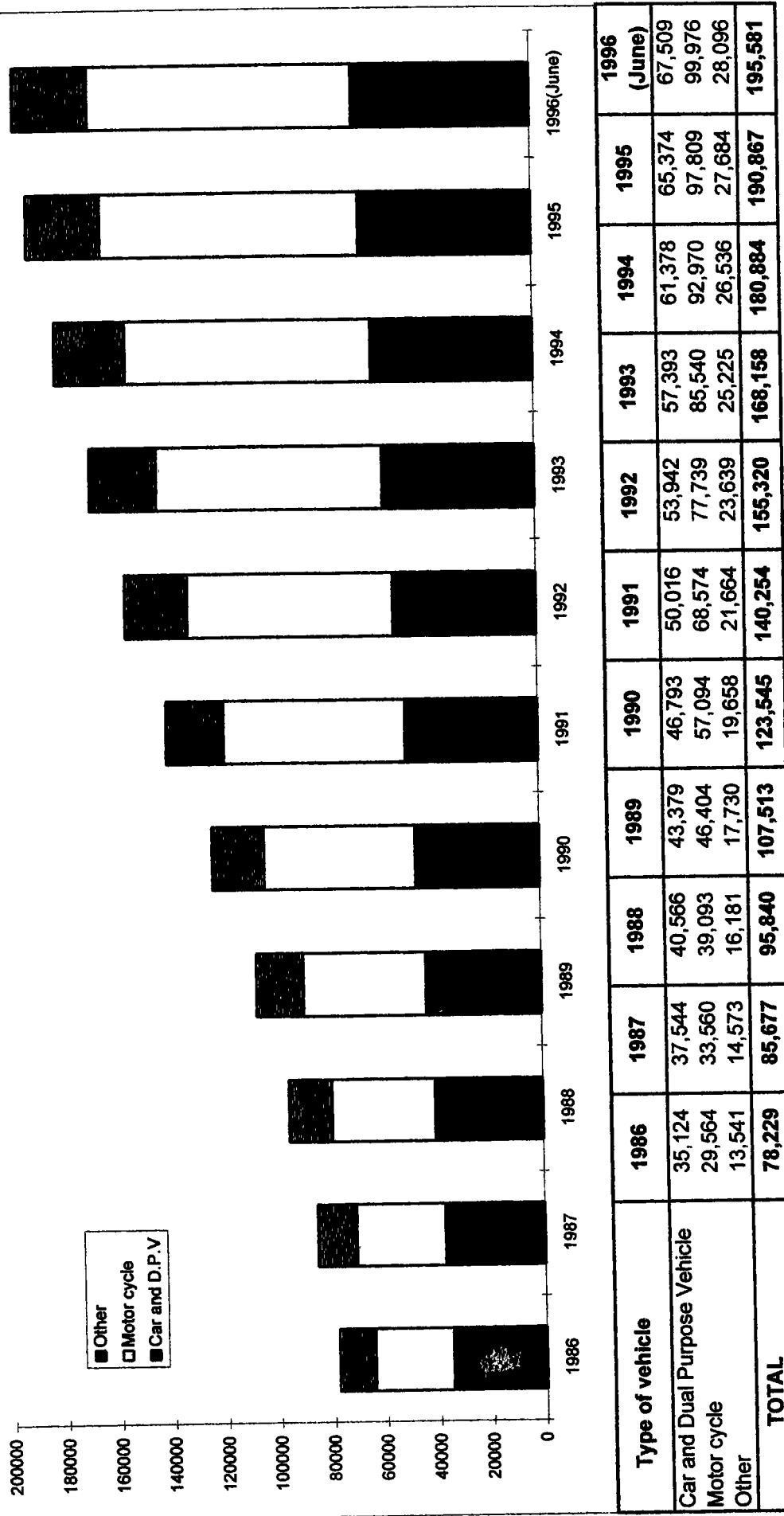


Table 1.1 - Number of registered vehicles ¹ , 1986- June 1996

Type of vehicle	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996 (as at June)
Car	27,053	28,337	30,283	31,919	33,916	35,673	37,696	39,511	41,355	43,288	44,314
Dual Purpose Vehicle	8,071	9,207	10,283	11,460	12,877	14,343	16,246	17,882	20,023	22,086	23,195
Heavy Motor Car	423	454	517	624	695	766	799	826	848	898	920
Motor Cycle:											
> = 50 C.C.	9,205	9,436	9,912	10,560	11,937	14,740	16,880	18,829	20,461	21,492	21,870
< 50 C.C	20,359	24,124	29,181	35,844	45,157	53,834	60,859	66,711	72,509	76,317	78,106
Lorry & Truck	4,838	5,057	5,534	5,906	6,564	7,226	7,776	8,166	8,559	8,815	8,906
Van	3,636	4,115	4,788	5,600	6,637	7,602	8,749	9,663	10,292	10,851	11,095
Bus	1,360	1,529	1,771	1,858	1,929	2,021	2,097	2,217	2,276	2,362	2,351
Tractor & Dumper	1,863	1,940	2,013	2,078	2,156	2,274	2,356	2,413	2,478	2,546	2,568
Prime Mover	130	145	164	182	185	197	212	228	249	256	260
Trailer	997	1,039	1,083	1,151	1,155	1,231	1,288	1,333	1,428	1,534	1,572
Road Roller	91	87	101	98	94	96	100	106	106	107	108
Other	203	207	210	233	243	251	262	273	300	315	316
TOTAL	78,229	85,677	95,840	107,513	123,545	140,254	155,320	168,158	180,884	190,867	195,581

¹ Excluding pedal cycles ,but including government vehicles

Table 1.2 - Number of vehicles registered during January - June 1996 by type

Type of vehicle	No. of Vehicles at 31.12.95	New Vehicles	Used Imported Vehicles	Re - Registered Vehicles	Vehicles off the Road ¹	No. of Vehicles at 30.06.96	Net Addition
Car	43,288	710	669	261	614	44,314	+ (1,026)
Dual Purpose Vehicle	22,086	653	500	101	145	23,195	+ (1,109)
Motor Cycle:							
> = 50 C.C	21,492	453	15	174	264	21,870	+ (378)
< 50 C.C	76,317	1,965	8	536	720	78,106	+ (1,789)
Lorry and Truck	8,815	96	55	56	116	8,906	+ (91)
Van	10,851	282	41	45	124	11,095	+ (244)
Bus	2,362	47	1	2	61	2,351	- (11)
Other	5,656	98	28	29	67	5,744	+ (88)
TOTAL	190,867	4,304	1,317	1,204	2,111	195,581	+ (4,714)

¹ Unlicensed either temporarily or permanently

Table 1.3 - Registration of vehicles by type, Jan. - Jun. 1995 and Jan. - Jun. 1996

Type of vehicle	New vehicles registered		Re-registration of vehicles		Vehicles off the road ¹	
	Jan. - Jun. 1995	Jan. - Jun. 1996	Jan. - Jun. 1995	Jan. - Jun. 1996	Jan. - Jun. 1995	Jan. - Jun. 1996
	Car	822	710	745	930	675
Dual Purpose Vehicle	645	653	508	601	137	145
Motor Cycle:						
> = 50 C.C	710	453	199	189	281	264
< 50 C.C	2,385	1,965	516	544	819	720
Lorry and Truck	134	96	113	111	154	116
Van	279	282	99	86	134	124
Bus	131	47	0	3	61	61
Other	121	98	50	57	45	67
TOTAL	5,227	4,304	2,230	2,521	2,306	2,111

¹ Unlicensed either temporarily or permanently

Table 2.1 - Comparison of Road Traffic Accidents¹, Jan. - Jun.(1995 and 1996)

	1995	1996	Change	
	Jan. - Jun.	Jan. - Jun.	Number	%
1. Road Traffic Accidents				
Number of accidents	7,325	7,165	-160	- 2.2
Rate per 100,000 population ³	1,435	1,338	N.A ²	N.A ²
Rate per 1,000 registered motor-vehicles ³	87	76	N.A ²	N.A ²
2. Motor-vehicles Involved				
Number of vehicles involved	12,601	12,616	15	0.1
Rate per 1,000 registered motor-vehicles ³	148	134	N.A ²	N.A ²
3. Casualties				
Total number of casualties	1,889	1,676	-213	- 11.3
Fatal	89	80	-9	- 10.1
Seriously injured	136	92	-44	- 32.4
Slightly injured	1,664	1,504	-160	- 9.6

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 accidents ¹ and casualties, January 1986 - June 1996

	<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>	<u>1995</u>	<u>1996</u>
(Jan.-Jun.)											
1. Road traffic accidents :											
Number	5,707	7,059	8,259	9,085	10,316	13,439	14,371	14,562	15,727	14,683	7,162
Rate per 100,000 population ³	574	703	812	893	1,007	1,297	1,369	1,378	1,459	1,350	1,327
Rate per 1,000 registered motor vehicles ³	74	87	91	89	90	102	97	91	91	78	77
2. Motor vehicles involved:											
Number	9,410	11,869	14,153	15,489	17,562	22,835	24,549	25,240	27,203	25,584	12,616
Rate per 1,000 registered motor vehicles ³	123	147	156	152	153	173	166	156	156	137	135
3. Casualties:											
Total number of casualties	2,834	3,294	3,004	3,141	3,575	4,025	4,395	4,160	3,947	3,586	1,676
Fatal	109	112	122	130	144	168	119	157	154	173	80
Seriously injured	226	255	282	250	315	296	378	322	330	280	92
Slightly injured	2,499	2,927	2,600	2,761	3,116	3,561	3,898	3,681	3,463	3,133	1,504
4. Fatality :											
Rate per 100,000 population ³	11.0	11.2	12.0	12.6	13.9	16.2	11.3	14.8	14.3	15.9	15.0
Rate per 1,000 registered motor vehicle ³	1.4	1.4	1.3	1.3	1.3	1.3	0.8	1.0	0.9	0.9	0.9
Index ²	3.8	3.4	4.1	4.1	4.0	4.2	2.7	3.8	3.9	4.8	4.8

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

³ Based on previous twelve months figures

Table 2.3 - Vehicles¹ involved by type, January 1995 - June 1996

Type of vehicle	1995						1996	
	Jan. - Jun.		Jul. - Dec.		Year		Jan. - Jun.	
	Number	%	Number	%	Number	%	Number	%
Private car	5,628	44.0	5,944	44.9	11,572	44.5	5,739	44.7
Taxi car	1,104	8.6	1,162	8.8	2,266	8.7	1,152	9.0
Bus	1,010	7.9	971	7.3	1,981	7.6	995	7.7
Lorry	668	5.2	758	5.7	1,426	5.5	670	5.2
Van	1,811	14.2	1,787	13.5	3,598	13.8	1,824	14.2
Motor cycle	2,312	18.1	2,246	17.0	4,558	17.5	2,161	16.8
Pedal cycle	160	1.3	236	1.8	396	1.5	204	1.6
Other motor vehicle	68	0.5	115	0.9	183	0.7	75	0.6
Other non motor vehicle	28	0.2	22	0.2	50	0.2	30	0.2
All vehicles	12,789	100.0	13,241	100.0	26,030	100.0	12,850	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 1995 - June 1996

Class of Road users	1995				1996	
	Jan. - Jun.	%	Jul. - Dec.	%	Jan. - Jun.	%
Pedestrian	578	30.6	522	30.8	503	30.0
Passenger	388	20.5	287	16.9	337	20.1
Driver	161	8.5	167	9.8	131	7.8
Rider (Motor Cycle)	610	32.3	602	35.5	561	33.5
Pedal cyclist	152	8.0	119	7.0	144	8.6
All road users	1,889	100.0	1,697	100.0	1,676	100.0

Table 2.5 - Total number of accidents involving hit and run cases, Jan. 1995 - Jun. 1996

Period	1995		1996
	Jan. - Jun.	Jul. - Dec.	Jan. - Jun.
Accidents			
Vehicles v/s pedestrian	43	27	33
Vehicles v/s vehicles	152	129	117
Total	195	156	150

Fig. 2.1 - Casualties by class of road users, January 1995 - June 1996

