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ROAD TRANSPORT AND ACCIDENT STATISTICS YEAR 1990

MINISTRY OF ECONOMIC PLANNING & DEVELOPMENT
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Road Transport and Accident Statistics Year 1990

1.1. Vehicles registered as at December, 1990

As at December 1990, there were 123,500 vehicles registered at the National Transport Authority (NTA) representing an increase of 16,000 or 15% over the 107,500 in 1989. Slightly less than half of the fleet or 46% consisted of two-wheeled motor vehicles i.e. 45,000 auto-cycles and 12,000 motor-cycles; passenger cars accounted for 47,000 representing 38% of the total and the remaining 16% comprised lorries and trucks (6,600), vans (6,600) and buses (1,900).

1.2. Net addition during the year 1990

From January to December 1990, 19,000 vehicles were added to the existing fleet; of these 16,300 were new and 2,800 second hand vehicles. As during the same period 3,100 vehicles were put off the road, the net addition works out to 16,000 only. Comparative figures for previous years are: 12,000 in 1989, 10,000 in 1988, 7,000 in 1987 and 2,600 only in 1986. It is also noted that the majority, 75% of the additional vehicles consisted of motor-cycles and auto-cycles.

1.3. Passenger Cars

In 1990, the fleet of passenger cars inclusive of dual purpose vehicles was increased further with the addition of 3,400 new cars which brought the total registered as at December 1990 to nearly 47,000 representing 38% of the total number of vehicles. Following the constant renewal of the fleet during the last five years, an estimated age-distribution of motor cars shows that as at December 1990, 46% were aged under 10 years and 54% were in the category of 10 years and over.

It is recalled that a total of 17,000 passenger cars (11,500 new and 5,600 second hand) or an average of 3,400 per year have been registered during each year over the last five years. On the other hand 4,300 were put off the road so that the net addition during the last five years works out to 13,000 cars.

The ratio of the number of passenger cars per 1,000 persons consequently moved up to 45 in 1990 compared to 42 in 1989 and 35 in 1986.

1.4. Motor-cycles and Auto-cycles

During the year 1990, the fleet of motor-cycles was considerably increased with the addition of 10,700 such vehicles which brought the total to 57,000 representing a 23% increase over the previous year. In fact, during the five year period 1986 - 1990 the number of two wheeled motor-vehicles has been almost doubled with the registration of 30,000 new auto-cycles and motor-cycles.

2.1. Road Accidents

There were 10,300 road traffic accidents reported at the Police Stations during the year 1990 compared to 9,085 in 1989 representing an increase of 14% over the previous year. Consequently the accident rate, calculated as the number of accidents per thousand registered motor-vehicles, went up by one percentage point to reach 90. This ratio was 61 in 1983 and had reached a peak of 91 in 1988 before falling to 89 in 1989.

2.2. Casualties

The number of casualties resulting from the 10,300 accidents was also 14% higher than in the previous year and numbered 3,575 of which 144 were fatal, 315 seriously injured and 3,116 suffered slight injury. In 1990, there were 144 persons killed in accidents compared to 130 in 1989 and 122 in 1988.

The fatality rate worked out as the total number of persons killed in the accidents per 100,000 population rose to 14 from 13 in 1989 and 11 in 1988.

An analysis of casualties by type of road users shows that pedestrians accounted for 32%, followed by passengers 27%, and motor-cycle riders 26%. With the increasing number of motor-cycles and auto-cycles on the road, casualties among riders have recorded a substantial rise of 44% numbering 928 compared to 643 in 1989.

The injury rate which shows the number of 'injury' per 100,000 population stood at 331 for the 1990 in comparison with 292 in 1989 and 284 in 1988.

2.3. Vehicles involved

In 1990 there were 17,500 vehicles involved in accidents, 2,100 more than in the previous year. Passenger cars including taxis comprised 9,000 or 50% of all vehicles collided whilst two-wheeled motor vehicles, 3,000 representing 16%.

It is worth pointing out that in 1990 the number of two wheelers involved in accidents was increased by some 800 and was 32% higher than in the previous year.

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Ministry of Economic Planning and Development
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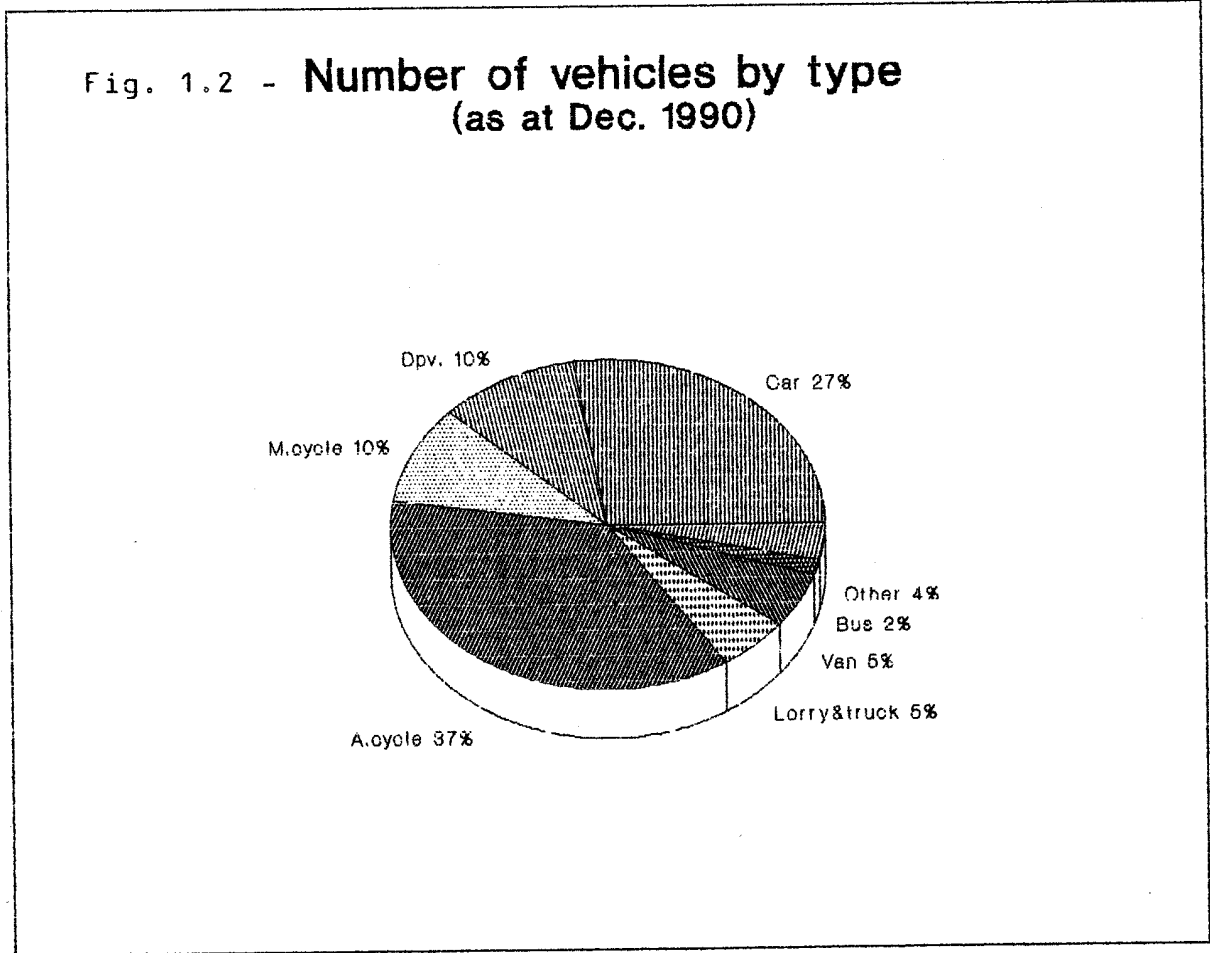
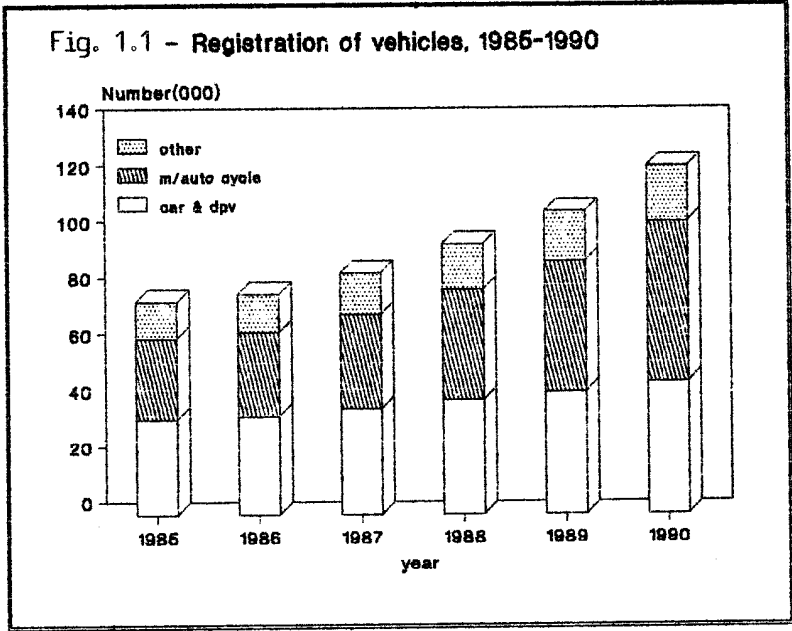


Fig. 1.3 Number of road traffic accidents (1985-1990)

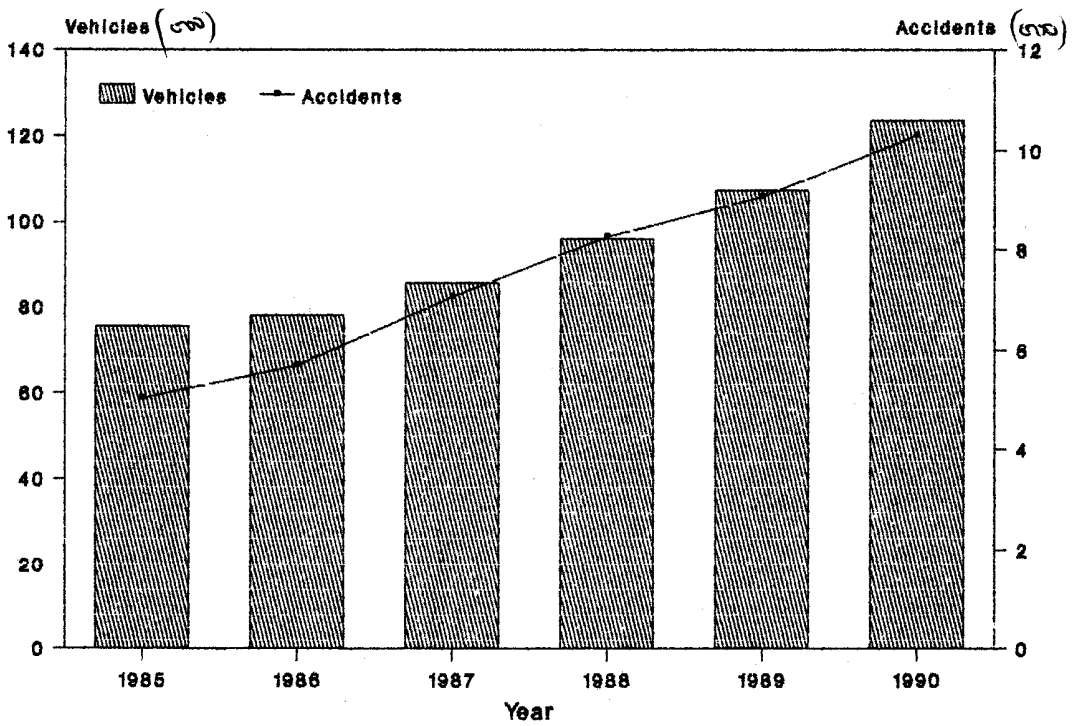


Fig. 1.4 Casualties by class of road users (1990)

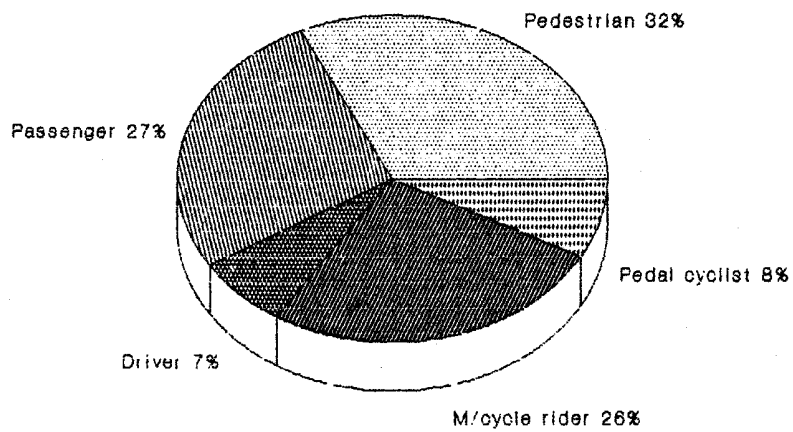


Table 1.1 - Resigtration of vehicles^{1/}, 1990

Number

| Type of vehicle | Vehicles on register as at 31.12.89 | New vehicles registered during 1990 | Second-hand ^{2/} re-gistrations during 1990 | Vehicles put off ^{3/} the road during 1990 | Vehicles on register as at 31.12.90 | Net addition 1990 |
|----------------------|-------------------------------------|-------------------------------------|--|---|-------------------------------------|-------------------|
| Car | 31,919 | 2,189 | 917 | 1,109 | 33,916 | 1,997 |
| Dual purpose vehicle | 11,460 | 1,051 | 460 | 94 | 12,877 | 1,417 |
| Motor cycle | 10,560 | 1,384 | 273 | 280 | 11,937 | 1,377 |
| Auto cycle | 35,844 | 10,044 | 383 | 1,114 | 45,157 | 9,313 |
| Lorry and truck | 5,906 | 468 | 372 | 182 | 6,564 | 658 |
| Van | 5,600 | 826 | 330 | 119 | 6,637 | 1,037 |
| Bus | 1,858 | 106 | 3 | 38 | 1,929 | 71 |
| Other vehicle | 4,366 | 255 | 56 | 149 | 4,528 | 162 |
| Total | 107,513 | 16,323 | 2,794 | 3,085 | 123,545 | 16,032 |

1/ including trailers but excluding pedal cycles

2/ refers to imported second-hand vehicles as well as to the registration of vehicles previously put off the road

3/ a vehicle may be withdrawn from the register of vehicles (off the road) either temporarily or permanently. Any such vehicle (except a government vehicle) must re-register with the National Transport Authority before it is put on the road again

Table 1.2 - Age distribution of cars and dual purpose vehicles ^{1/}, 1989 - 1990

| Age-group (years) | Number of cars and dual purpose vehicles | | | |
|----------------------|--|-----|--------------------------|-----|
| | As at 31st December 1989 | | As at 31st December 1990 | |
| | Number | % | Number | % |
| Less than 5 | 11,795 | 27 | 14,988 | 32 |
| 5 less than 10 | 6,847 | 16 | 6,595 | 14 |
| 10 less than 15 | 6,883 | 16 | 7,406 | 16 |
| 15 and over | 17,854 | 41 | 17,804 | 38 |
| T o t a l | 43,379 | 100 | 46,793 | 100 |

^{1/} dual purpose vehicle : essentially a car but so designed as to be capable of carrying a certain load of goods, e.g. all hatchback cars

Table 1.3 - Age composition of operational bus fleet (public transport) ^{1/} as at 31st December, 1989 - 1990

| Age-group (years) | As at 31st December 1989 | | As at 31st December 1990 | |
|----------------------|--------------------------|-----|--------------------------|-----|
| | Number | % | Number | % |
| Less than 5 | 679 | 43 | 710 | 43 |
| 5 less than 10 | 374 | 23 | 271 | 16 |
| 10 less than 15 | 404 | 25 | 493 | 30 |
| 15 less than 20 | 141 | 9 | 189 | 11 |
| Total | 1,598 | 100 | 1,663 | 100 |

^{1/} refers only to buses with a Road Service Licence, i.e., buses which operate on proclaimed routes and charge individual fares

Table 2.1 - Road traffic accidents^{1/}, motor-vehicles involved and casualties 1989 - 1990

| | <u>Number</u> | |
|--|---------------|---------|
| | 1 9 8 9 | 1 9 9 0 |
| <u>Road traffic accidents</u> | | |
| Number of accidents | 9,085 | 10,316 |
| Rate per 100,000 population | 881 | 995 |
| Rate per 1,000 registered motor-vehicles | 89 | 90 |
| <u>Motor-Vehicles involved</u> | | |
| Number of vehicles involved | 15,489 | 17,562 |
| Number per 1,000 registered motor-vehicles | 150 | 153 |
| <u>Casualties</u> | | |
| Total number of casualties | 3,141 | 3,575 |
| Fatal | 130 | 144 |
| Seriously injured | 250 | 315 |
| Slightly injured | 2,761 | 3,116 |

^{1/} exclude number of casualties involving bicycles only

Table 2.2 - Casualties by class of road users, 1989 - 1990

| CLASS OF ROAD USERS | 1 9 8 9 | | 1 9 9 0 | |
|---------------------------|------------|-----|------------|-----|
| | CASUALTIES | | CASUALTIES | |
| | Number | % | Number | % |
| Pedestrian | 1,045 | 33 | 1,125 | 32 |
| Passenger | 866 | 28 | 968 | 27 |
| Driver | 237 | 8 | 261 | 7 |
| Rider | 643 | 20 | 928 | 26 |
| Pedal cyclist | 350 | 11 | 293 | 8 |
| All road users | 3,141 | 100 | 3,575 | 100 |

Table 2.3 - Number of vehicles^{1/} involved in accidents by type of vehicle,
1989 - 1990

| Type of Vehicle | 1989 | | 1990 | |
|-------------------------|-------------------|-------|-------------------|-------|
| | Vehicles involved | | Vehicles involved | |
| | Number | % | Number | % |
| Private car | 6,814 | 42.7 | 7,390 | 41.0 |
| Taxi car | 1,489 | 9.3 | 1,675 | 9.3 |
| Bus | 1,817 | 11.4 | 1,843 | 10.2 |
| Lorry | 1,200 | 7.5 | 1,398 | 7.8 |
| Van | 1,828 | 11.5 | 2,213 | 12.3 |
| Motor/Auto cycle | 2,225 | 13.9 | 2,944 | 16.3 |
| Pedal cycle | 473 | 3.0 | 431 | 2.4 |
| Other motor vehicle | 100 | 0.6 | 89 | 0.5 |
| Other non-motor vehicle | 12 | 0.1 | 28 | 0.2 |
| All vehicles | 15,958 | 100.0 | 18,011 | 100.0 |

^{1/} Only three main vehicles have been considered in accidents involving more than three vehicles