

THE 2004 CONSTRUCTION AREA

Quarter 3/2004

1. Background and Objective

The National Statistical Office has collected data on permitted area both new construction, and addition or alteration under the Municipal Act since 1966. The data use for calculating the National Account (Gross Fixed Capital Formation) and Real Estate Information Center.

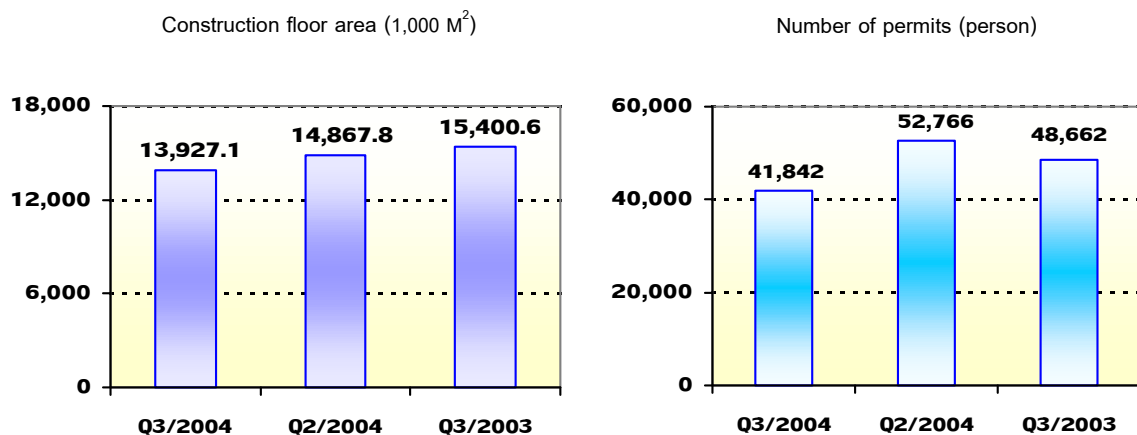
Data presented are the permitted construction area in Q3/2004 in every province where are under the Construction Control Act : 1979

2. The summary of the 2004 construction area in Q3/2004, are as follows :

2.1 Number of permits and construction area

In Q3/2004, the number of permits of construction Building were 41,842 persons with floor area of 13.93 million square metres. And number of permits for civil engineering construction were 6,332 persons. Whereas the total floor area of Car park, Sport ground, Petrol station, Advertising board etc, were 286,604 million square metres. And the total length of Water drain, Road, Fence/wall etc, were 628,853 metres. (Table 1)

Figure 1 Number of permits and floor areas of new construction Building, addition or alteration of building Between Q3/2004, Q2/2004 and Q3/2003



The Number of permits in Q3/2004 was the new construction about 98.6 percent and those of addition or alteration construction was 1.4 percent with floor area of 13.76 and 0.16 million square metres respectively.

Comparing the permits number to the Q2/2004 it was found that it has decreased about 20.7 percent and floor area has decreased about 6.3 percent. If compare to the Q3/2003 found that it has decreased both of number and floor area about 14.0 and 9.6 percent respectively.

The civil engineering construction, the number of permitted construction was decreased by 13.8 percent from Q2/2004. While floor area such as car park, Sport ground, Petrol station and Advertising Board was increased by 3.0 percent. But the Length of the construction such as Water drain, Road, Fence/Wall, has decreased 27.1 percent. Comparing to the Q3/2003 it was found that the number of permitted construction was decreased by 24.4 percent, Where floor area and Length were decreased by 26.0 and 17.5 percent respectively.

Table 1 Permitted number and floor area of new construction building, addition or alteration by region.

| Item | Q3/2004 | Percent Change | |
|---------------------------------------|------------|----------------|---------|
| | | Q2/2004 | Q3/2003 |
| Construction Building | | | |
| - Number of Permits (person) | 41,842 | -20.7 | -14.0 |
| New Construction (Percent) | 98.6 | - | 0.7 |
| Addition or alteration (Percent) | 1.4 | - | -0.7 |
| - Floor Area (sq.m.) | 13,927,072 | -6.3 | -9.6 |
| Civil Engineering construction | | | |
| - Number of Permits (person) | 6,332 | -13.8 | -24.4 |
| New Construction (Percent) | 99.1 | - | -0.4 |
| Addition or alteration (Percent) | 0.9 | - | 0.4 |
| - Floor Area | | | |
| Floor Area (sq.m.) ^{1/} | 286,604 | 3.0 | -26.0 |
| Length (metre) ^{2/} | 628,853 | -27.1 | -17.5 |

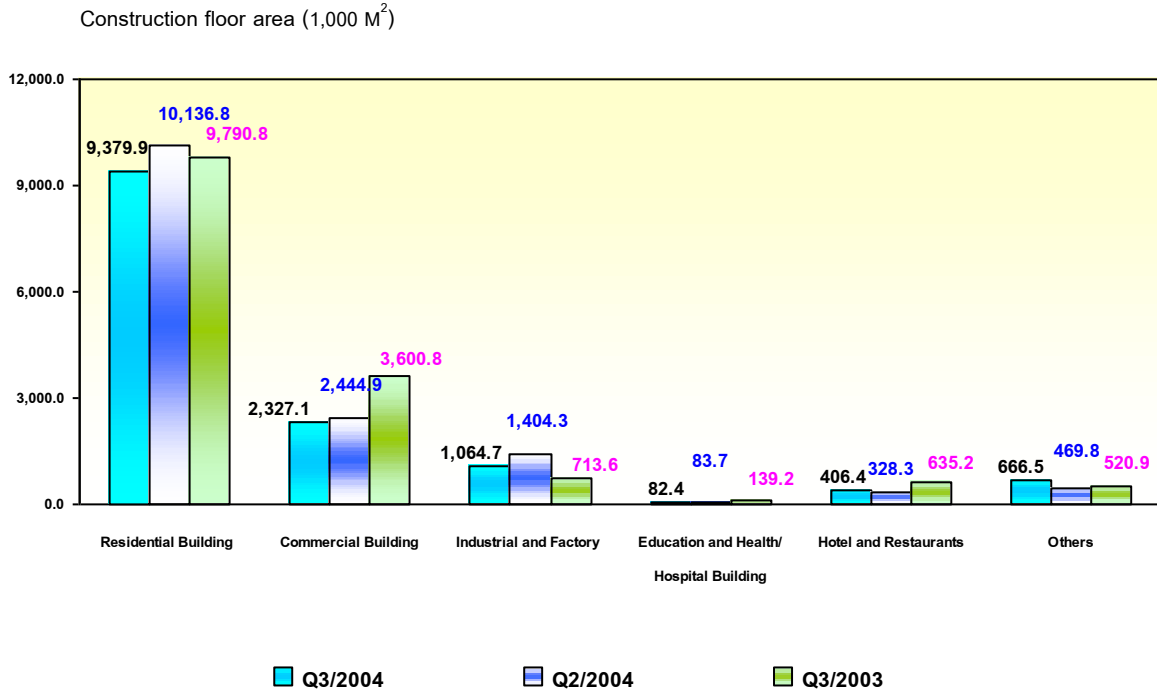
^{1/} Car Park, Sport ground, Petrol station, Advertising board

^{2/} Dam, Water drain, Road Bridge, Fence/wall

2.2 Type of construction Building

Most of permitted construction building in Q3/2004 was the residential buildings with 9.38 million square metres of floor area. Followed by the commercial building with 2.33 million square metres. Industrial and factory building with 1.06 million square metres of floor areas permitted.

Figure 2 Permitted floor areas of construction building by type of building Between Q3/2004, Q2/2004 and Q3/2003



Comparing to the Q2/2004 it was found that, most of permitted construction floor area have decreased. Especially the Industrial and Factory Building have the highest proportion (24.2 percent). The construction of Residential Building, Commercial Building and Education and Health Building have decreased from Q2/2004 and Q3/2003. (table2)

The number of civil engineering construction, most of them are water drain construction with 374,035 metres (59.5 percent), and 131,726 metres (20.9 percent) of Road. The civil engineering construction such as Fence/wall was 109,786 metres (17.5 percent) of permitted. The floor area of Car park has been permitted 152,817 square metres (53.3 percent) and Advertising board are 67,350 square meters (23.5 percent).

Comparing to the Q2/2004 and Q3/2003 it was found that, the Length of the civil engineering construction permitted have 27.1 percent decreased from Q2/2004 and 17.5 percent from Q3/2003. The floor areas of the engineering construction have 3.0 percent increased from Q2/2004. and 26.0 percent decreased from Q3/2003.

Table 2 Floor Area and Length of new construction Building, Addition or alteration By Type of Building and Construction

| Item | Q3/2004 | Percent Change | |
|---------------------------------------|-------------------|----------------|---------------|
| | | Q2/2004 | Q3/2003 |
| Construction Building | | | Square metres |
| Total | 13,927,072 | -6.3 | -9.6 |
| Residential Building | 9,379,940 | -7.5 | -4.2 |
| Commercial Building | 2,327,126 | -4.8 | -35.4 |
| Industrial and Factory Building | 1,064,651 | -24.2 | 49.2 |
| Education and Health Building | 82,435 | -1.5 | -40.8 |
| Hotel and Restaurants | 406,443 | 23.8 | -36.0 |
| Others ^{1/} | 666,477 | 41.9 | 27.9 |
| Civil Engineering Construction | | | |
| Length (meter) | 628,853 | -27.1 | -17.5 |
| Water drain | 374,035 | 19.7 | 15.6 |
| Road | 131,726 | -62.8 | -56.8 |
| Fence / Wall | 109,786 | -40.7 | -6.4 |
| Others ^{2/} | 13,306 | 30.7 | -21.1 |
| Floor Area (sq.m.) | 286,604 | 3.0 | -26.0 |
| Car Park | 152,817 | -19.7 | -42.6 |
| Sport Ground | 3,464 | -69.0 | -68.9 |
| Petrol Station | 17,317 | 108.8 | -34.9 |
| Advertising Board | 67,350 | 220.9 | 38.1 |
| Others ^{3/} | 45,656 | -4.3 | 32.1 |

^{1/} Condominium, Sewerage Building, Water Supply and Filter Plant, Agricultural Building, Entertainment

^{2/} Bridge, Dam

^{3/} Foot path , Archway