

# THE 2005 CONSTRUCTION AREA

## Quarter 4/2005

### 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 **Q4/2005** (October - December 2005) in every province where are under the Construction Control Act : B.E. 2522

### 2. The summary of the construction area in Q4/2005, are as follows :

#### 2.1 Number of permits and construction area

In Q4/2005, the number of permits of construction building were 43,556 with the floor area of 14.63 million square metres. and number of permits for civil engineering construction were 9,133. Whereas the totally floor area of Car Park, Sport Ground, Petrol Station, Advertising Board etc, were 377,456 square metres. And the totally length of Water Drain, Road, Fence/Wall etc, were 674,620 metres.

**Table 1 Permitted number and floor area of new construction, addition or alteration by type of Construction.**

Type of Construction.	Q4/2005	Percent Change	
		Q3/2005	Q4/2004
<b>Construction Building</b>			
- Number of Permits (person)	43,556	-6.0	-4.0
New Construction (percent)	98.1	0.1	-0.2
Addition or Alteration (percent)	1.9	-0.1	0.2
- Floor Area (sq.m.)	14,625,138	-4.2	-1.0
<b>Civil Engineering Construction</b>			
- Number of Permits (person)	9,133	8.7	29.5
New Construction (percent)	99.7	0.3	0.3
Addition or Alteration (percent)	0.3	-0.3	-0.3
- Floor Area			
Floor Area (sq.m.) <sup>1/</sup>	377,456	7.2	25.2
Length (metre) <sup>2/</sup>	674,620	22.1	7.6

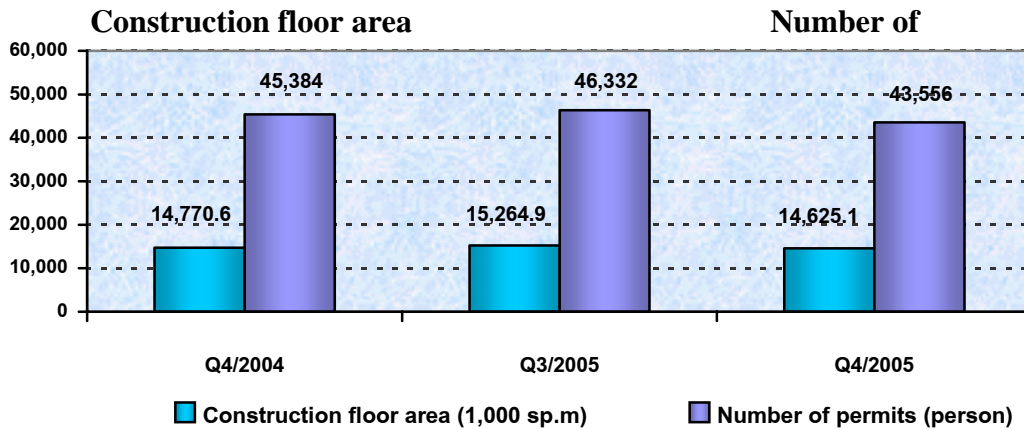
<sup>1/</sup> Car Park, Sport Ground, Petrol Station, Advertising Board

<sup>2/</sup> Dam, Water Drain, Road Bridge, Fence/Wall

In Q4/2005 the number of permits of new construction was 98.1 percent and those of addition or alteration construction was 1.9 percent.

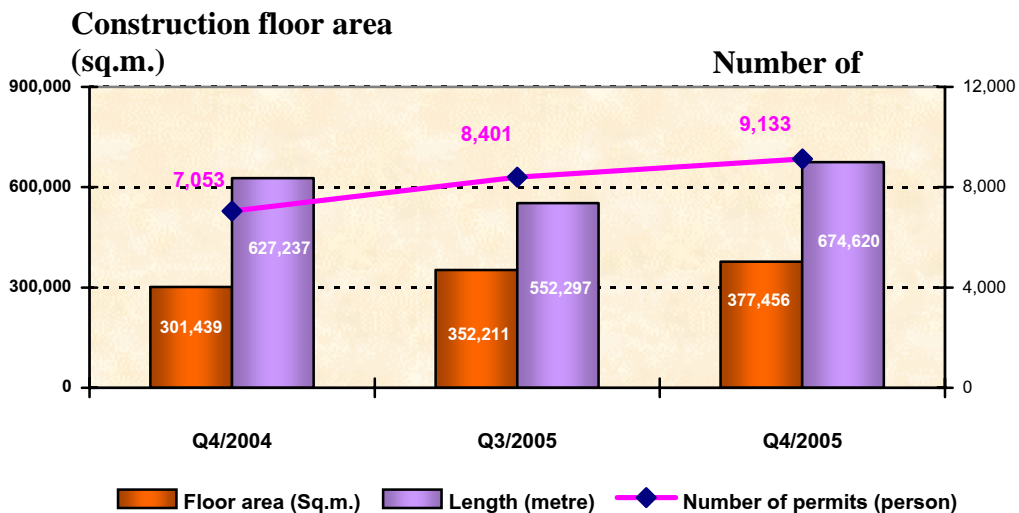
Comparing to the Q3/2005, the permits number it was found that it has decreased about 6.0 percent and floor area has decreased about 4.2 percent. If compare to the Q4/2004, it was found that both the number of permitted construction and floor area were decreased 4.0 percent and 1.0 percent respectively.

Figure 1 Number of permits and floor areas of new construction building, addition or alteration of building between Q4/2004, Q3/2005 and Q4/2005



For the civil engineering construction, the number of permitted construction was increased by 8.7 percent from Q3/2005. Where the floor area such as Car Park, Sport Ground, Petrol Station and Advertising Board was increased by 7.2 percent. And the length of the construction such as Water Drain, Road, Fence/Wall has increased 22.1 percent. Comparing to the Q4/2004 it was found that the number of permitted construction was increased by 29.5 percent, The floor area and the length were increased 25.2 percent, and 7.6 percent respectively. (Table 1)

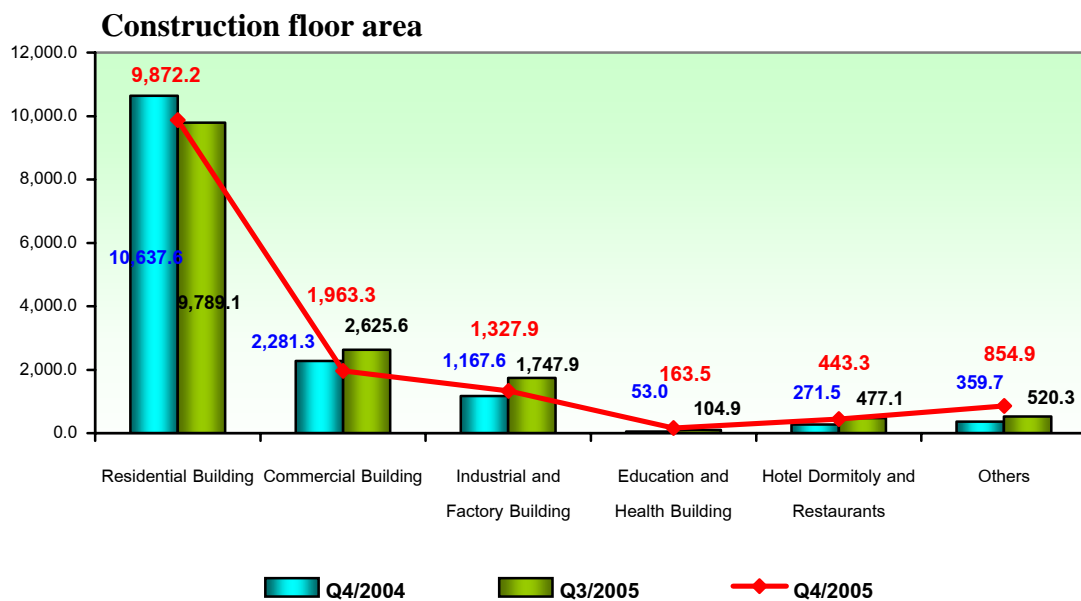
Figure 2 Number of permits and floor areas of new construction, addition or alteration of civil engineering construction between Q4/2004, Q3/2005 and Q4/2005



## 2.2 Type of construction building

Most of permitted construction building in Q4/2005 was the residential buildings with 9.87 million square metres . Followed by the commercial building was 1.96 million square metres. Industrial and factory building was 1.33 million square metres. Hotel Dormitory and Restaurants was 443,329 square metres. Education and Health Building has floor areas permitted was 163,494 square metres.

Figure 3 Permitted floor areas of construction building by type of building between Q4/2004 , Q3/2005 and Q4/2005



Comparing to the Q3/2005, it was found that most of permitted construction floor area have decreased, especially the construction for Commercial Building have decreased by 25.2 percent and decreased 13.9 percent from Q4/2004. The Education and Health Building have increased 55.8 percent from Q3/2005 and 208.6 percent from Q4/2004 (Table 2)

The number of civil engineering construction, most of them were water drain construction was 381,451 metres (56.5 percent), The civil engineering construction such as the Road was 137,496 metres (20.4 percent) of permitted. and 134,878 metres (20.0 percent) of Fence/Wall. The floor area of Car Park has been permitted 189,324 square metres (50.2 percent) and Advertising Board are 70,941 square meters (18.8 percent).

Comparing to the Q3/2005 and Q4/2004 it was found that, the length of the civil engineering construction permitted have increased 22.1 percent from Q3/2005 and 7.6 percent from Q4/2004. The floor area of the engineering construction has increased 7.2 percent from Q3/2005. And 25.2 percent from Q4/2004.

Table 2 Floor Area and Length of new construction building, Addition or alteration by type of Building and Construction

Type of Building and Construction	Q4/2005	Percent Change	
		Q3/2005	Q4/2004
<b>Construction Building</b>			Square metres
Total	14,625,138	-4.2	-1.0
Residential Building	9,872,186	0.8	-7.2
Commercial Building	1,963,312	-25.2	-13.9
Industrial and Factory Building	1,327,884	-24.0	13.7
Education and Health Building	163,494	55.8	208.6
Hotel and Restaurants	443,329	-7.1	63.3
Others <sup>1/</sup>	854,933	64.3	137.7
<b>Civil Engineering Construction</b>			
Length (meter)	674,620	22.1	7.6
Water Drain	381,451	32.8	11.1
Road	137,496	20.1	-13.8
Fence/Wall	134,878	-1.5	27.0
Others <sup>2/</sup>	20,795	52.7	13.4
Floor Area (sq.m.)	377,456	7.2	25.2
Car Park	189,324	-4.3	-5.0
Sport Ground	11,817	3.5	1.2
Petrol Station	34,415	138.3	160.7
Advertising Board	70,941	42.7	69.3
Others <sup>3/</sup>	70,959	-10.1	100.1

Note : Data presented included those have not started the construction yet.

<sup>1/</sup> Condominium, Sewerage Building, Water Supply and Filter Plant, Agricultural Building, Entertainment

<sup>2/</sup> Bridge, Dam

<sup>3/</sup> Foot path, Archway

Source : The Construction Area, October - December 2005, National Statistical Office