

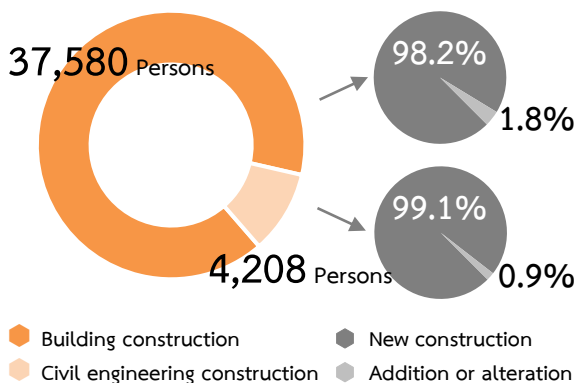
PRELIMINARY REPORT

THE CONSTRUCTION AREA

Quarter 2/2019

The construction area is the data collected on construction permitted of both new construction and addition or alteration for building construction and civil engineering construction of private sector. The major findings of quarter 2/2019 are as follows;

Figure 1 The number and percentage of permits In Q2/2019 by type of construction and objective of permit



In Q2/2019, there were 41,778 permit persons permitted for construction. In this number, 37,580 persons permitted to construct the building that 98.2% for new construction and 1.8% for addition or alteration. The rest number of permits 4,208 persons permitted to construct the civil engineering construction that 99.1% for new construction and 0.9% for addition or alteration (Figure 1).

1. Building construction

An analysis comparing with the previous quarter shows that the number of permit who permitted to construct the building construction decreased 14.3% and 3.9% from Q1/2019 and Q2/2018 and the area of building construction also decreased 16.3% and 4.7% from Q1/2019 and Q2/2018 (Figure 2)

Figure 2 Comparing the number of permit, number of building and area of building construction permitted in the last 5 quarters

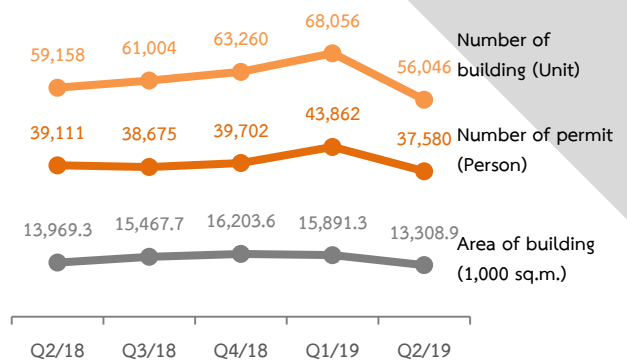
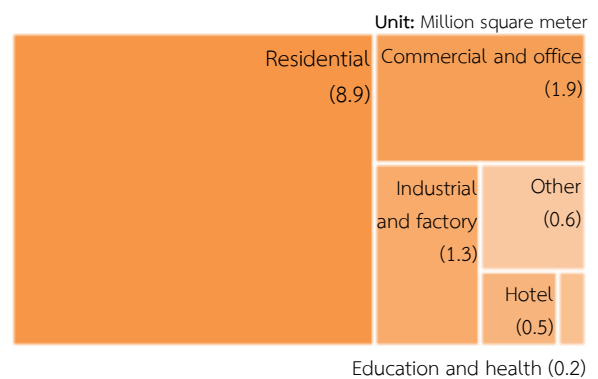


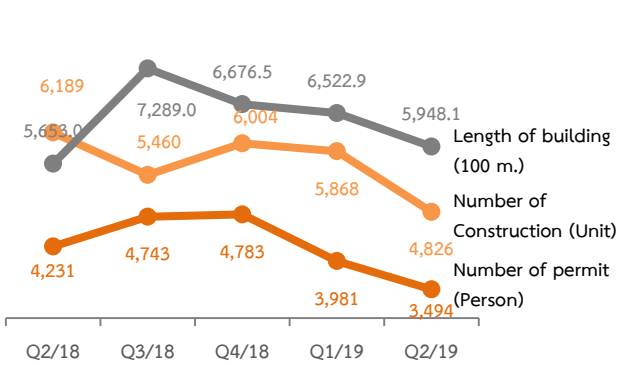
Figure 3 The area of permitted building by type of building construction



The total area of building construction permitted in Q2/2019 were 13.3 million sq.m. that compose by residential building 8.9 million sq.m., commercial and office building 1.9 million sq.m., industry and factory building 1.3 million sq.m. and other type of building construction were permitted less than 1.0 million sq.m. (Figure 3).

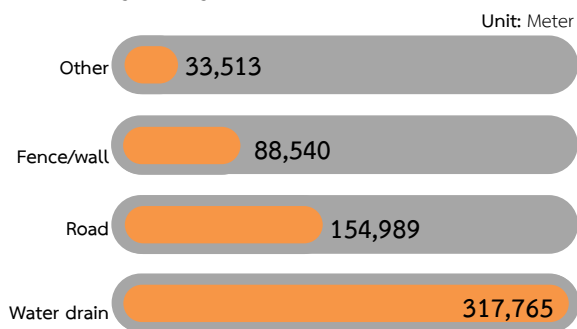
2. Civil engineering construction measured in length

Figure 4 Comparing the number of permit, number of construction and length of civil engineering construction permitted in the last 5 quarters



An analysis comparing about civil engineering construction measured in length with the previous quarter shows that the number of permit decreased 12.2% and 17.4% from Q1/2019 and Q2/2018 and the length of civil engineering construction were permitted decreased 8.8% from Q1/2019 and increased 5.2% from Q2/2018 (Figure 4)

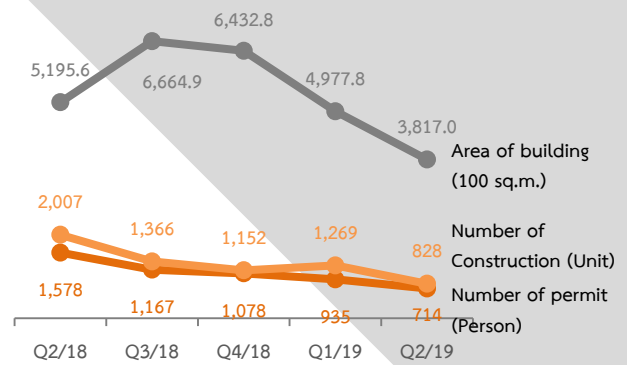
Figure 5 The length of construction by type of civil engineering construction



The total length of civil engineering construction permitted in Q2/2019 were 594,807 m. that compose by water drain 317,765 m., road 154,989 m., fence/wall 88,540 m. and other type of civil engineering construction measured in length were permitted 33,513 m. (Figure 5)

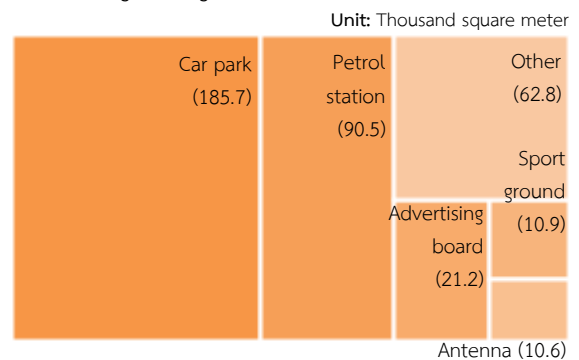
3. Civil engineering construction measured in area

Figure 6 Comparing the number of permit, number of construction and area of civil engineering construction permitted in the last 5 quarters



An analysis comparing about civil engineering construction measured in area with the previous quarter shows that the number of permit decreased 23.6% and 54.8% from Q1/2019 and Q2/2018 and the area of civil engineering construction were permitted also decreased 23.3% and 26.5% from Q1/2019 and Q2/2018 (Figure 6)

Figure 7 The area of construction by type of civil engineering construction



The total area of civil engineering construction permitted in Q2/2019 were 381,697 sq.m. that compose by car park 185,701 sq.m., petrol station 90,470 sq.m., advertising board 21,207 sq.m., sport ground 10,941 sq.m., antenna 10,567 sq.m. and other type of civil engineering construction measured in area were permitted 62,811 sq.m. (Figure 7)