

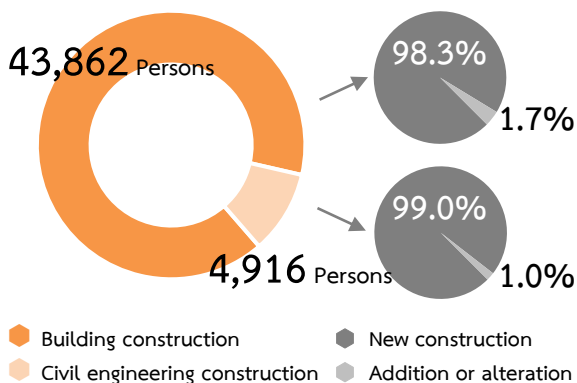
PRELIMINARY REPORT

THE CONSTRUCTION AREA

Quarter 1/2019

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 1/2019 are as follows;

Figure 1 The number and percentage of permits In Q1/2019 by type of construction and objective of permit



In Q1/2019, there were 48,778 permit persons permitted for construction. In this number, 43,862 persons permitted to construct the building that 98.3% for new construction and 1.7% for addition or alteration. The rest number of permits 4,916 persons permitted to construct the civil engineering construction that 99.0% for new construction and 1.0% 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 increased 10.5% and 7.0% from Q4/2018 and Q1/2018 but the area of building construction decreased 1.9% and 8.5% from Q4/2018 and Q1/2018 (Figure 2)

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

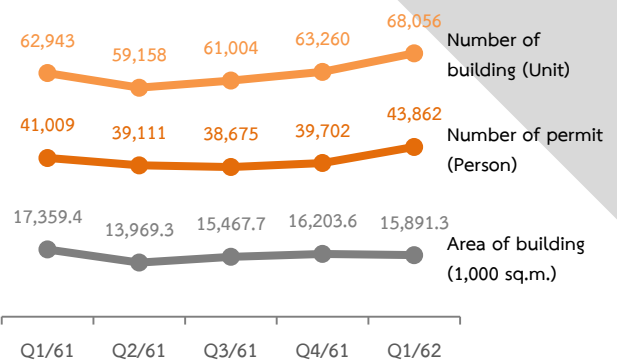
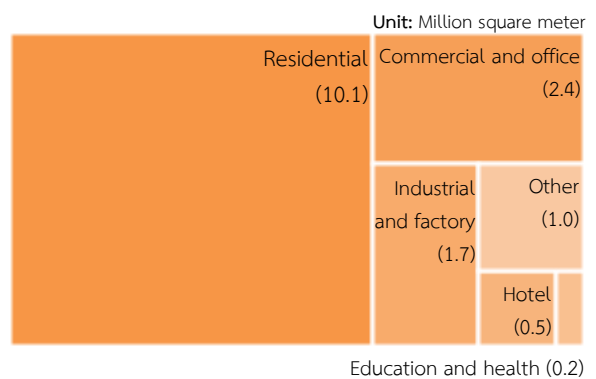


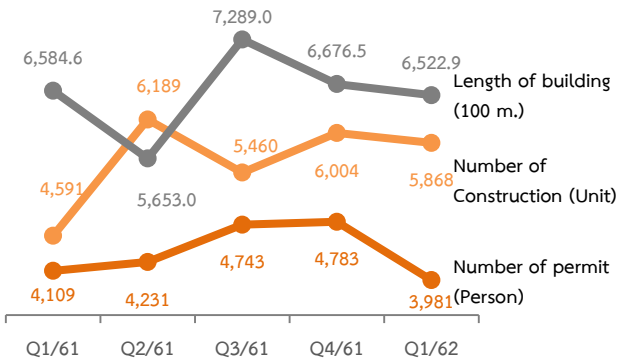
Figure 3 The area of permitted building by type of building construction



The total area of building construction permitted in Q1/2019 were 15.9 million sq.m. that compose by residential building 10.1 million sq.m., commercial and office building 2.4 million sq.m., industry and factory building 1.7 million sq.m., hotel building 0.5 sq.m. and other type of building construction were permitted 1.0 sq.m. (Figure 3).

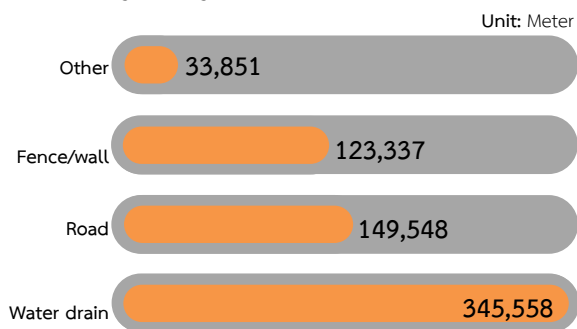
2. Civil engineering construction measured in length

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 16.8% and 3.1% from Q4/2018 and Q1/2018 and the length of civil engineering construction were permitted also decreased 1.9% and 0.9% from Q4/2018 and Q1/2018 (Figure 4)

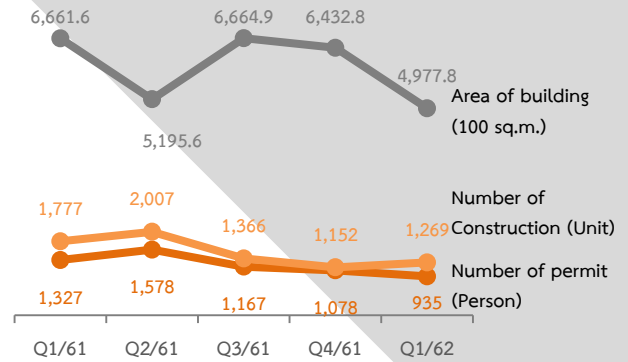
Figure 5 The length of construction by type of civil engineering construction



The total length of civil engineering construction permitted in Q1/2019 were 652,294 m. that compose by water drain 345,558 m., road 149,548 m., fence/wall 123,337 m. and other type of civil engineering construction measured in length were permitted 33,851 m. (Figure 5)

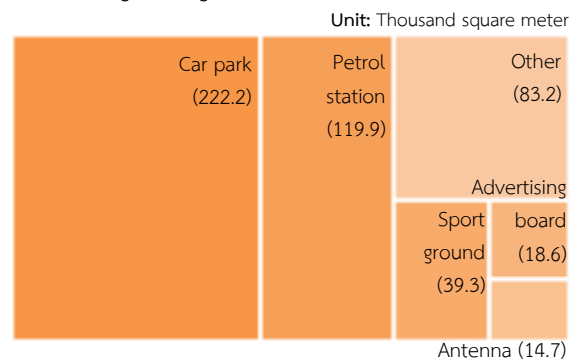
3. Civil engineering construction measured in area

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 13.3% and 29.5% from Q4/2018 and Q1/2018 and the area of civil engineering construction were permitted also decreased 22.6% and 25.3% from Q4/2018 and Q1/2018 (Figure 6)

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



The total area of civil engineering construction permitted in Q1/2019 were 497,782 sq.m. that compose by car park 222,156 sq.m., petrol station 119,865 sq.m., sport ground 39,273 sq.m., advertising board 18,603 sq.m., antenna 14,695 sq.m. and other type of civil engineering construction measured in area were permitted 83,190 sq.m. (Figure 7)