

PRELIMINARY REPORT

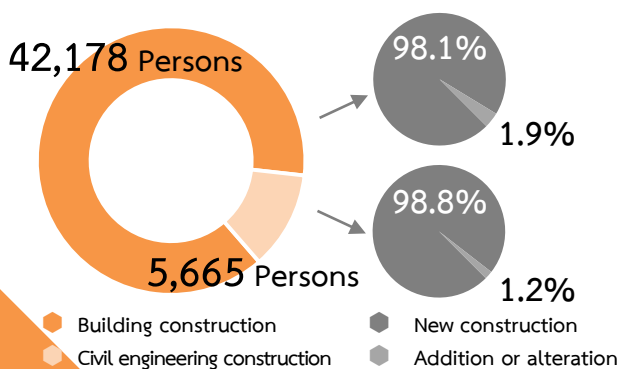
THE CONSTRUCTION AREA

Quarter 4/2019

The construction area report is the administrative data collected on construction permitted of both new construction and addition or alteration for building construction and civil engineering construction of private sector from the nationwide office in charge of construction permitted. The major findings of **quarter 4/2019 (October – December)** are as follows;

In Q4/2019, there were 47,843 permit persons permitted for construction. In this number, 42,178 persons permitted to construct the building that 98.1% for new construction and 1.9% for addition or alteration. The rest number of permits 5,665 persons permitted to construct the civil engineering construction that 98.8% for new construction and 1.2% for addition or alteration (Figure 1).

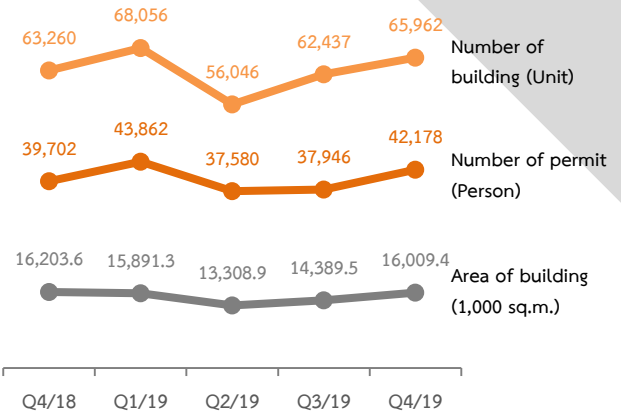
Figure 1 The number and percentage of permits In Q4/2019 by type of construction and objective of permit



1. Building construction

An analysis comparing with the previous quarter shows that the number of permit who permitted to construct the building construction increased 11.2% and 6.2% from Q3/2019 and Q4/2018 respectively, and the area of building construction increased 11.5% from Q3/2019 but decreased 1.2% from Q4/2018 (Figure 2).

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



The total area of building construction permitted in Q4/2019 were 16,009,434 sq.m. that compose by residential building 9,469,151 sq.m., industry and factory building 2,366,998 sq.m., commercial and office building 1,698,754 sq.m., hotel 1,036,723 sq.m., educational and health/hospital construction 262,739 sq.m. and other type of building 1,175,069 sq.m. (Figure 3).

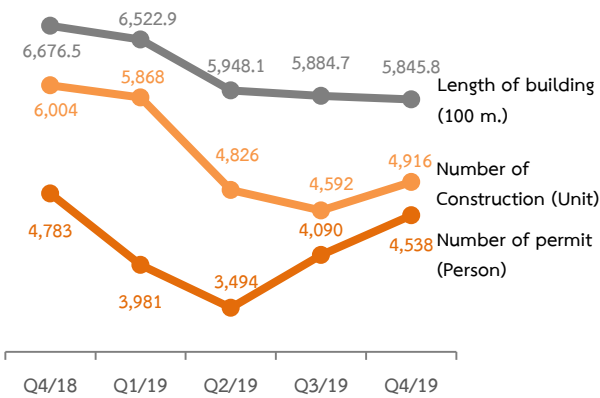
Figure 3 The area of permitted building by type of building construction

Unit: square meter	
Residential	Industrial and factory
(9,469,151)	(2,366,998)
Commercial and office	Other
(1,698,754)	(1,175,069)
	Hotel
	(1,036,723)
Educational and health/hospital (262,739)	

2. Civil engineering construction measured in length

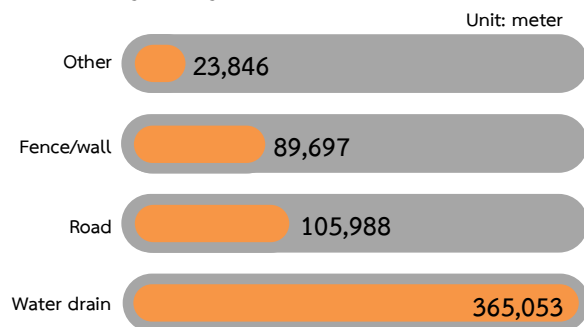
An analysis comparing about civil engineering construction measured in length with the previous quarter shows that the number of permit increased 11.0% from Q3/2019 but decreased 5.1% from Q4/2018 and the length of civil engineering construction were permitted decreased 0.7% and 12.4% from Q3/2019 and Q4/2018 respectively (Figure 4).

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



The total length of civil engineering construction permitted in Q4/2019 were 584,584 m. that compose by water drain 365,053 m., road 105,988 m., fence/wall 89,697 m. and other type of civil engineering construction measured in length were permitted 23,846 m. (Figure 5).

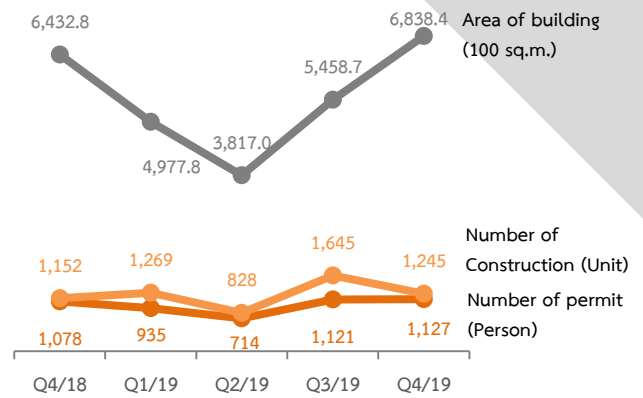
Figure 5 The length of construction by type of civil engineering construction



3. Civil engineering construction measured in area

An analysis comparing about civil engineering construction measured in area with the previous quarter shows that the number of permit increased 0.5% and 4.5% from Q3/2019 and Q4/2018 respectively, same as the area of civil engineering construction were permitted also increased 25.3% and 6.3% from Q3/2019 and Q4/2018 respectively (Figure 6).

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



The total area of civil engineering construction permitted in Q4/2019 were 683,882 sq.m. that compose by car park 328,218 sq.m., petrol station 124,006 sq.m., sport ground 48,491 sq.m., antenna 38,767 sq.m. and other type of civil engineering construction measured in area were permitted 144,360 sq.m. (Figure 7).

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

