

Development of inhibition technique of construction by-product generation

[Point]

Construction industry consumes about 50% of resource use of this country as construction material, but on the other hand, it disposes final disposal volume that exceeds 40% of industrial waste as construction waste. However, environmental load (external cost) has increased as a result of improper disposal and long-distance transportation that are caused by final disposal site, and it is becoming an issue. Therefore, it is necessary to attempt the inhibition of construction waste emergence, the encouragement of recycling, and the promotion of proper disposal, in order to maintain global environment. Especially, it has been urgent to encourage recycling because recycling rate has been flagging, with regard to construction sludge and construction emerging wood. For this reason, this research was conducted for the purpose of reducing social cost (construction project cost) with consideration to internal cost as well as external cost simultaneously, and strategies such as recycling technique of construction sludge and construction emerging wood were studied.