

2.2. Lesson from Central Java Earthquake May, 2006 and the Reconstruction Project (Kazushi SHIRAKAWA) ジャワ島中部地震の被害と復興の取り組み(白川和司)

Lesson from Central Java Earthquake, May 2006

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My opinion through the recognizing the activities after the earthquake

Even non-engineered house



The house should **install the technology** of building engineers

Non-engineered house

The word “ **non-engineered house**” I use in the presentation means below

- Workers have **no knowledge** regarding **building structure**
(Mostly workers have experiences to construct. It means workers have a certain skill such as skill for bending rebar, mixing concrete which is not assured in terms of quality, placing formwork, digging grand, so on, for the processing the construction.)
- Owner have **no knowledge** regarding **building structure**

After the earthquake,
the government of province
released the subsidy to the people
with the conditionality
aided people should comply with
building law/regulation



They thought that as people complied with law then the people could get good quality
House against earthquake

The order reminds me of how
technology can be installed to houses

(To imagine simple house, not complicated house)

- ① The simplest way
High class engineers design and supervise houses based on the knowledge such as building structure, materials, how to check, detail design for some structure have expected ability, and so on engineers have.
High class engineers conduct the work execution on house construction site.

The order reminds me of how
technology can be installed to houses

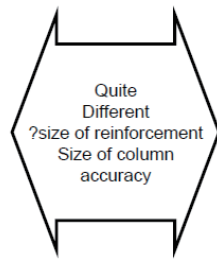
(To imagine simple house, not complicated house)

- ② The second way
Engineers design and indicate the work execution method to workers.
Workers construct the house in accordance with the work execution method.

After the earthquake, Government requested people to get building permission if they wanted to get subsidy.

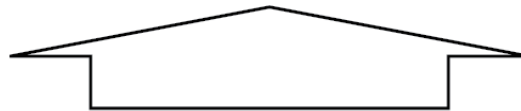
(At the same time, government dispatched engineers to support people)

If regulations regulated by law was highly respected, Government did not need to such request to the people.



Left side picture

Even non-engineered house, using the regulations/system regulated by law/decree, technology was installed to the house.



Compliance is infrastructure to realize the ability if we use such system

After the earthquake, provincial government gave incentive not only restriction.

To prevent the people from future disasters we should consider how to install the technology to each non-engineered house

We have to preserve their smile, their life from earthquake

