

# Research Trends and Results

## Post Great East Japan Earthquake activities by the construction industry

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### 1. Forwards

Right after the outbreak of The Great East Japan Earthquake, we saw various activities carried out by the construction industry such as recovery of social capitals, victims support etc. This report aims to record widely on those activities by the construction industry and (some of) its member companies to identify the role of the construction industry during a disaster outbreak.

This report consists of questionnaires concerning preparedness during normal time, status of support activities, as well as their self-evaluations, and responses were received from the construction industry groups (32) and its member companies (8 groups/137 companies).

### 2. Overview on the study result

27 groups in the construction industry have already concluded in total 93 disaster agreements with the administrative organs, which conducted support activities after the earthquake by 58 agreements upon requests, and by 18 agreements on their own decision without any request. 17 groups that concluded the disaster agreements evaluated that the agreements were useful in their quick responses to the activities, hence we believe the role played by the disaster agreements were quite substantial.

Amongst the contents of activities conducted by the construction industry (fig.), the highest number was that of checking the social capitals, as well we there were many cases of provision/ transport of construction equipment or provision of equipment/works for temporary housings. Also, there were supports provided

on other areas than construction which is not stipulated in the disaster agreements, such as provision and transport of medical supplies, foods, fuels etc., These supports were not limited to construction but included medical treatment and rescuing the lives of victims. Thus, as well as supports activities using the technical expertise of the construction industry, materials and goods were procured and provided to the disaster areas using the wide organization network of the construction industry.

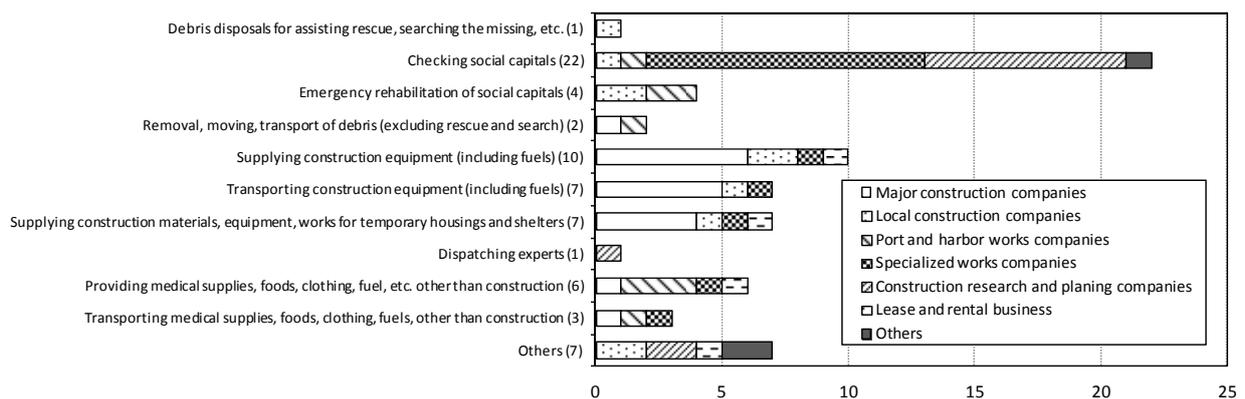
On the other hand, there were issues observed such as prolonged time in securing and transporting the equipment and fuels for such activities, which raised the need for coordination with lease & rental, fuel and transport industries.

### 3. Conclusion

The result of this survey will be published in “Post Great East Japan Earthquake Disaster response management (by Disaster Response Management Special Theme Committee in Japan Society of Civil Engineers)” and will be summarized as research material by the National Institute for Land and Infrastructure Management.

### 【Reference】

- 1) The Great East Japan Earthquake disaster response management (Japan Society of Civil Engineers) <http://committees.jsce.or.jp/2011quake/node/143>



Graph Support by the construction industry

No. of support activities