

Screening of seismic capacity of existing buildings

The training on "Screening of seismic capacity of existing buildings" was held on 23-24 December 2019 at PWD-HQ Conference Room by BSPP, the technical cooperation project between PWD of Public Works Department and JICA, Japan International Cooperation Agency. The participants of this 2-day training were the engineers from several divisions of PWD Headquarters.

Md. Rafiqul Islam, Superintending Engineer, PWD Design Circle-2 inaugurated the training program. He signified about the training title and introduced Mr. Yosuke Nakajima, JET (JICA Expert Team) member with the trainees.

After introductory part, the resource persons commenced their valuable training presentation. The trainers were Md. Kamruzzaman, Sub-Divisional Engineer, PWD Design Division-2, and Bidhan Chandra Dey, Sub-Divisional Engineer, PWD Design Division-1. They were trained by BSPP as trainer in the corresponding items before holding this training as trainers. So, BSPP expected them to carry out good trainings. Actually, they carried out effective trainings beyond being expected by JET. The interview-sheet by the trainees also showed their evaluations that the trainings were good.

After the first session, Dr. Jun Matsuo, Deputy Team Leader of JET, suggested certain valuable modifications by up gradation of the CNCRP manual for Seismic Evaluation during the Term-2 of BSPP. PWD side mentioned that the CNCRP manual was prepared based on the Japanese Standard for Seismic Evaluation. But Dr. Matsuo instructed that "Since then already 5 years have passed, therefore, it's better to say the Bangladesh screening ways should be defined in the context of the Bangladesh manuals by PWD."

After the second session, one of the participants asked, "Generally in our country the buildings have no shear wall. But if any building contains shear wall or double wall then how can we consider or calculate?" The trainer replied, "We calculate only Flexural strength, but in case of Shear wall, some formula with modified shear capacity and flexural capacity should be introduced for calculation."

After training, the special lecture by JET member Mr. Yosuke Nakajima was held. He prepared an excel sheets for SE and ASE calculation as tutorial tool. He demonstrated the excel sheets to the trainees and made them understood about how to calculate SE and ASE method through this automated tutorial sheet. He depicted the step by step calculation for a 10 storied building in a very easy process. The participants of PWD engineers were interested in the excel sheets for SE and ASE. This should become an effective tool for the future trainings of seismic evaluation.



Opening session by Md. Rafiqul Islam, Advisor of BSPP



Lecture by Md. Kamruzzaman, WT-2 of BSPP



Lecture by Bidhan Chandra Dey, WT-2 of BSPP



Closing Session, certification hand-out



Md. Sohel Rahman

Project Manager of BSPP

sohelr86@yahoo.com

Fumio Kaneko

Team Leader of JET (JICA Expert Team) for BSPP

kaneko@oyointer.com