

Brief Report on Study Visit to Bangladesh, August (13 ~ 18), 2010

**Reference: 3rd Academic Collaborative Research Visit on Urban Building Fire Disaster Mitigation
In Asian Mega Cities including Bangladesh and Japan**

The Research Team Members:

1. **Respected Professor Shinichi SUGAHARA, Dr. Eng., Team Leader**
Director, Center for Fire Science and Technology
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Tokyo University of Science (TUS), Japan
2. **Sanjib BARUA; Architect, PhD, Coordinator and Team Member**
Post-doctoral Fellow, Tokyo University of Science (TUS), Japan
3. **Hideki YOSHIOKA, PhD, Team Member**
Research Engineer, Building Research Institute (BRI), Japan

■ **14th August 2010/ Site survey. Venue: Begunbari Khal (Collapse Building).**

Summary:

The research team members performed site survey of Begunbari Khal. Respected Professor Sugahara (TUS) kindly gave comments on: i) *the risk of fire after the collapse of building* and ii) *the importance of infrastructure improvement for effective fire fighting and rescue activities* in case of emergency especially at densely-settled area, etc.



Picture 1: Begunbari Khal;

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■ 14th August 2010/ Site survey. Venue: Rakhayin Buddhist Pollee.

Summary:

The research team members performed site survey of Rakhayin Buddhist Pollee. Respected Professor Sugahara (TUS) kindly gave comments on: i) *the importance of daily precautions against fires*, ii) *fire-preventive materials for the roofs*, iii) *installation of fire/smoke detectors*, iv) *fire drills and education for residents, etc.*



Picture 2: Rakhayin Buddhist Pollee.

■ 15th August 2010/ Site survey. Venue: Equity Apartment at Mehedibag (*under construction*).

Summary:

The research team members performed site survey of Equity Apartment at Mehedibag (*under construction*). Respected Professor Sugahara (TUS) kindly gave comments on: i) *The importance of two-way escape*, ii) *installation of fire doors*, iii) *fire/smoke detectors, fire drills and education for residents, etc.*

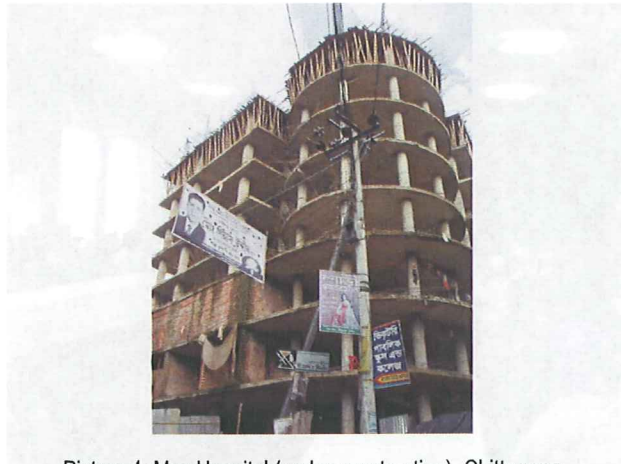


Picture 3: Equity Apartment, Mehedibag (*under construction*) Chittagong

■ **15th August 2010/ Site survey. Venue: Max Hospital (under construction), Chittagong.**

Summary:

The research team members performed site survey of Max Hospital (under construction). Respected Professor Sugahara (TUS) kindly gave comments on: i) *the importance of two-way escape*, ii) *fire/smoke detectors*, iii) *fire drills and education for employees, etc.*



Picture 4: Max Hospital (under construction), Chittagong

■ **Meeting with City Mayor:**

The City Mayor informed that the Chittagong City Corporation is willing to take advice as well as to adopt its Technology for fire protection, suggested by TUS academic research team.

■ **16th August 2010/ Meeting & Site survey. Venue: Chittagong Medical College & Hospital.**

Summary:

Professor Tahmina Banu (Chittagong Medical College & Hospital) was kind enough to show the research team members around the premises and also to explain the activities and problems they currently have in their own medical businesses. There was a Mass Disaster Simulation Program in the Hospital jointly conducted by Doctors, Nurses, Community Volunteers, NGOs and FSCD. The team leader Professor Sugahara (TUS), kindly gave comments on evacuation system in hospital building in case of fire incidents referring to the architectural plans of the premises.



Picture 5: Chittagong Medical College & Hospital.

■ **16th August 2010/ Exchange Meeting. Venue: Chittagong City Corporation (CCC).**

Summary:

At the meeting, Mr. Rezaul Karim (Architect & Urban Planner) of CCC, Major Motiur Rahman (FSCD), and the visiting team leader Professor Sugahara (TUS) made presentations respectively. After the presentations, a fruitful discussion on disaster preparedness in case of fire and earthquake was performed by participants.



Picture 6: Presentation done by Professor Sugahara (TUS)

■ **17th August 2010/ Seminar. Venue: Bangladesh University of Engineering & Technology (BUET).**

Summary:

"Seminar on Urban Building Fire Issues in Bangladesh and Japan" was cordially hosted by VC of BUET, Professor Safiullah. Earlier he announced to support the visiting team and their research activities always. The seminar was coordinated by Professor Ansary. In the Seminar, Respected Professor Sugahara, Dr. Barua (TUS), Dr. Yoshioka (BRI), and Mr. Salam (FSCD) made presentations respectively. DG Mr. Abu Nayeem (FSCD) expressed gratitude towards research team members from Japan in his closing remarks.



Picture 7: Presentation performed at BUET by Respected Professor Sugahara (TUS)

■ 17th August 2010/ Site survey. Venue: Japan Garden City (high-rise apartment building), Dhaka.

Summary:

The research team members performed site survey of Japan Garden City (high-rise apartment building). Mr. Md. Shafiqul Islam (Japan Garden City Ltd.) explained the fire scenario and showed the damaged parts, and the Team leader Professor Sugahara (TUS) kindly gave comments on: i) *the importance of two-way escape*, ii) *Ventilation for natural smoke exhaust system*, etc.



Picture 8: Japan Garden City.

■ 17th August 2010/ Site survey. Venue: Garib & Garib (Garment Factory), Tongji, Dhaka.

Summary:

The research team members performed site survey of Garib & Garib (garment factory). Mr. A.K.M. Fazlul Bhuiyan (Garib & Garib) explained the fire scenario and showed the damaged parts, the team leader Professor Sugahara (TUS) gave comments on the importance of: i) *fire doors*, ii) *shaft enclosure*, iii) *fire drills and education for employees*, etc.



Picture 9: Garib & Garib.

■ 17th August 2010/ Site survey. Venue: Nimtoli, Dhaka.

Summary:

The research team members performed site survey of Nimtoli. Professor Sugahara (TUS) kindly gave comments on the importance of i) *daily precautions against fires*, ii) *hazardous material management*, iii) *opening protective assemblies*, iv) *fire drills and education for residents*, v) *infrastructure improvement for effective fire fighting* and vi) *rescue activities in case of emergency especially at densely-settled area*, etc.



Picture 10: Nimtoli, Dhaka.