

Executive Summary of Presentations and Discussions

At

ASIAN FORUM

For

The Field of Architecture and Building Construction

1st Conference in Tokyo, 26 & 27 February 2002

Session 1

Moderator : Ir. Budi A. Sukada, Indonesia

Six speakers from Nepal, the Philippines and Viet Nam talked about respective housing condition and housing related programs for coping with housing related problems.

Mr. Shashi Bahadur Thapa of Nepal underlined the importance of interaction between income generation / employment and housing condition improvement. His point is if Nepal could raise the level of housing investment, people of Nepal could afford job and house at the same time.

Mr. Sukunta Lal Hirachan of Nepal explained about BOT scheme to finance physical infrastructure construction by overseas funds.

Mr. Ronald G. Fontamillas of the Philippines talked about the prefab housing component development program and low cost housing system accreditation program where foreign technologies are widely accepted.

Mr. Noel S. Gonzales of the Philippines explained about the housing financing scheme where pension funds and other resources are invited by the help of mortgage guarantee system or housing accreditation program.

Mr. Vu Van Phan of Viet Nam explained the current housing condition in urban areas and highlighted the needs for restoration of government owned high rise apartments.

Mr. Nguyen Manh Ha of Viet Nam expressed the foreign investment in housing production is invited through the measures of widely accepting foreign standards.

After presentations, views were exchanged among participants. Quality control and mortgage guarantee issues were in the center of discussions. In reality, because of insufficient funding for socialized housing, five thousand housing units were left unoccupied over five years. This example shows not only the physical development but financial system is crucial in resolving housing problems. Related to this issue, the assessment or accreditation of housing quality and value was pointed out as part of needed infrastructure for liable housing market mechanism.

Session 2

Moderator : Mr. Kecha Thirakomen, Thailand

Six speakers, i.e. 2 of China, Republic of Korea, Singapore, Japan and Myanmar talked about Quality and Performance issue in Building production/Quality control.

Dr. Shen Jianguo of China introduced the quality control system in a growing construction industry of China, referring to New and Old quality problems in different magnitude, as well as to standards for construction practices and related legislations for quality management for engineering construction.

Dr. Wang Tiehong of China explained the activity of China Academy of Building Research (CABR) in the field of human settlements in China, such as to promote research and standard development, to innovate new technologies, research on disaster mitigation, as well as national-level testing and inspection on the quality control for human settlements.

Mr. Yi Kun Chang of Republic of Korea presented the improvement of quality control system in Asian region, and addressed the importance of proper relationship among owners and other construction project team members such as design professionals, engineers and contractors, as well as adequate role playing of them. Moreover, he referred to the plan to establish an independent body for quality control system for design, and added a problem as to how the quality control body should assert its authority.

Mr. Ong Chan Leng of Singapore showed the Singapore experience in building control, referring to the role of BCA including Accredited Checkers and mandatory periodic inspection, Performance-based codes, construction quality assessment system (CONQUAS), Buildability score system as a condition for plan approval, or an

e-Submission system and Construction & Real Estate Network (CORNET).

Mr. Jin Matsuno of Japan talked about the introduction of Performance-based Building Codes in Japan, referring to its backgrounds such as an intention to cope with a globalization trend and to allow flexibility in design and construction by providing various alternative solutions to satisfy the law, as well as its implications and advantages for promoting innovative technology or establishing mutual legal structure among foreign countries

Mr. Than Shein of Myanmar introduced current situation of construction, maintenance and Quality Control of Building in Myanmar, referring to type of structure in Myanmar such as light bamboo huts and wooden houses to reinforced concrete construction, and expressed a view that construction technology of these days must be quite appreciable.

After presentations, discussions as to governmental investment for Institution's activity in China, as well as for Government-Private Partnership and its implications in governmental construction procurement. Various D&B, BOT and similar practical challenges and experiences were presented, referring to certain merits of these practices such as better buildability. In the other hand, concerns as to implication of BOT for governmental financial affair, as well as validity of buildability score system, were also expressed.

Session 3

Moderator: Mr. Yi, Kun Chang , Republic of Korea

Six speakers, 2 from India, Republic of Korea, Indonesia, Malaysia, and Myanmar talked about Development method, Environmental control and Technology, and their practical applications.

Mr. P. R. Swarup of India introduced the systems of Environmental Impact Assessment. Particularly, he clarified that such environmental issues need to be dealt with concerns on whole aspects of livelihood, as well as on the roles of public.

Mr. Yong Chan Song from Republic of Korea introduced Green Building Policies following global actions. The certification methods and processes with objective criteria and award systems show a good example of implementation of environmental concerns.

Mr. Budi A. Sukada of Indonesia explained their current situation in architectural field, and drew out the problems of the certification systems of related professionals.

Dato Esa Mohamed of Malaysia introduced various ongoing development enterprises as well as National Housing Policy along with National Economic Action Council. He also talked about their concerns on international professional service trade in Asian regions. Ms. Khin Wynn of Myanmar introduced their efforts in managing urban development, which always accompany with the problems in creating social infrastructures for squatters.

Mr. Krishan Kumar of India introduced an application of new building technologies adapting to local environmental conditions.

After presentations, issues of squatters' housing policies, specific issues of Environmental impact, such as locations of facilities of incineration and the methods of disposing and recycling construction waste, as well as on Building codes for new technologies were discussed.

Session 4

Moderator: Mr. P. R. Swarup

Six speakers, Indonesia, 2 from Thailand, Japan, Malaysia, and Singapore talked about Fire Safety and other technology to increase the performance of construction industry.

Ir. Ismono of Indonesia introduced the considerations for fire protection through all phases of design and construction. Measures taken in Indonesia are the Building Law, regulations and standards, and other activities involving the industry and the community.

Mr. Bantha Ruanthip of Thailand introduced the Building Control Act 2000 and new regulations, which are planned to meet the needs of recent urban development in Thailand. Fire safety being the most important issue, international cooperation was proposed.

Mr. Kecha Thirakomen of Thailand stressed the importance of the private sector in fire safety. The EIT Fire Safety Star Rating was introduced.

Mr. Hiroshi Okamoto from Japan raised the importance of both the localization and the globalization of architecture. A comparison of fire safety regulations and related technology in various countries was introduced.

Mr. Megat Kamil Azmi of Malaysia introduced the statistics and future trends of

construction technology in Malaysia. The effort is made to increase the productivity and the competitiveness of the industry.

Mr. Ng Hock Huat of Singapore introduced the use of IT in construction. CORENET aims to re-engineer the business processes of construction. It consists of IT infrastructure and IT systems that support all phases of a project.

The discussion was held covering the following issues:

The funding and other issues related implementing IT in construction.

The issues related to implementing Performance Based Codes.

The relationship of Fire Protection Rating and insurance.

Fire protection measures on historical buildings.

The introduction of competition for CAD systems market.