



Training Workshop on Building Code Implementation

19 – 23 May 2008, Godavari Village Resort, Lalitpur, Nepal

Course Outline		Download
Day One, 19 May 2008		
08:00-09:00	Participants' Registration	
Module 1: Opening Ceremony/ Introductory Module	Chair by Mr. Surya Bhakta Sangachhe, Director-General, DUDBC, Government of Nepal	
09:00-10:15	Opening Session	
09:05-09:15	Welcome remarks by Mr. Amod Mani Dixit, Executive Director, NSET	
09:15-09:30	Opening remarks and Objectives of the training workshop by Jishnu Subedi, UNCRD	
09:30-09:40	Remarks by representative of UNDP	
09:40-09:50	Remarks from Ministry of Physical Planning and Works	
09:50-10:00	Closing by Chair	
	M/C and Rapporteur: Ram C. Kandel and N. Shrestha (NSET)	
10:00-10:30	Group Photo and Tea Break	
Module 2: Understanding the Building Codes, Building by-laws, Building Regulations and their provisions		
10:30-12:30	Training Course Coordinator (for Modules 2 – 7): Ramesh Guragain Training delivery (presentation and discussion) by the resource persons from DUDBC, NSET, UNCRD on provisions on following aspects of building codes, building regulations, by-laws	
	Structural aspects by Jishnu Subedi, UNCRD	Download
	Planning aspects by Amrit Tuladhar, DUDBC	Download
	Municipal laws / by-laws by Sainik Raj Singh, Lalitpur Municipality	Download
	Field Inspection System by Surya Shrestha and Ram Chandra Kandel, NSET	Download
	Quality Control, Ramesh Guragain, NSET	Download
	Capacity building, awareness, publication by Amod M. Dixit, NSET	Download
12:30 – 14:00	LUNCH	
Module 3A: Experiences from Building Code Implementation in Nepal and Japan (Achievements and lessons) - Experience of Nepal		
14:00 – 15:00	Experiences of building code implementation (fully or partially and formally or informally) in following municipalities <ul style="list-style-type: none"> • Lalitpur Sub-Metropolitan City (NBC formally implemented since 2002) • Kathmandu Metropolitan City (NBC formally implemented since 2006) • Dharan Municipality (NBC formerly and gradually implemented since 2007) • Bhaktapur Municipality (Some provisions of NBC included in municipal by-laws since 2001) 	Download

	<ul style="list-style-type: none"> Banepa Municipality (municipality informally encouraging application of NBC through training and awareness programs) 	
15:00 – 16:00	<p>Discussion in six groups and Sharing of Experiences on current practices and needs for improvement. The participants will be divided into five groups with representation of one participant from above five municipalities in each group. One facilitators from NSET and DUDBC will be assigned to each group to facilitate group discussion. Each Group will discuss one of the following aspects of Building Code Implementation:</p> <ul style="list-style-type: none"> Structural aspects (Group 1) Planning (Group 2) Municipal laws / bylaws (Group 3) Field Inspection system (Group 4) Quality Control (Group 5) Capacity building, awareness, publication (Group 6) 	
16:00– 16:15	Tea break	
Module 3B: Experiences from Building Code Implementation in Nepal and Japan (Achievements and lessons) - Experience of Other Countries		
16:15-16:30	Experience of Peru in building code implementation and lessons from the August 2007 earthquake disaster by N. Mishima, UNCRD	Download
16:30-17:30	Experiences of Japan for safer building by Prof K. Okazaki, GRIPS, Japan	Download
17:30-17:45	Break	
17:45-19:00	Estimation of building damage of a city using RADIUS by Prof. Okazaki, GRIPS, Japan	Download

Day 2, 20 May 2008		
08:30-09:00	Review of the previous day work by a participant	
09:00-10:30	Institutional mechanism of Building Code Implementation in Japan by Prof. K. Okazaki, GRIPS, Japan	Download
10:30-11:00	Discussion	
11:00-11:15	Tea Break	
Module 4: Lessons from Experiences of Building Code Implementation		
11:15-13:30	<p>Group work Facilitated by the resource persons lead by the municipalities with experience on building code implementation, the participants will discuss on lessons. Each group will prepare a brief presentation (on Flip chart) on the key lessons of implementation. The aspects focused will be Structural aspects, Planning, Municipal laws / bylaws, Field Inspection system, Quality Control, Capacity building, awareness, publication. Facilitator from UNCRD and NSET record the process</p>	
13:30-14:30	Lunch Break	
14:30-16:00	Presentation from one member of each group and discussion	Download Download Download
16:00-17:00	The lessons and way forward for Building Code Implementation in Nepal by Kishore Thapa	Download

Day Three, 21 May 2008		
Module 5: On-site Observation of Building Code Implementation Process, Field Practices		
	Field Trip Coordinators: 1) Ram Chandra Kandel, 2) Ramesh Guragain, 3) Bijay Upadhyay	
08:30-09:00	Review of previous day work	
09:00-09:30	Introduction of sites and instructions to groups	
09:30-17:00	Visit to construction sites for observing actual field construction practices, quality control and workmanship, field inspection mechanism, problems etc.	Download
	Group Work / Presentation	Download
	Packed Lunch will be provided in the field	

Day Four, 22 May 2008		
Module 5: On-site Observation of Building Code Implementation Process, Field Practices (Contd...)		
8:30	Visit to municipality offices for observing building permit process, system/mechanism for building code implementation, available resources (human resource and others), constraints etc. <ul style="list-style-type: none"> o Lalitpur Sub-Metropolitan City o Kathmandu Metropolitan City 	
	Visit to municipal areas and some rapidly urbanizing Village Development Committee (VDC) areas (in Kathmandu Valley) for observing processes for building permit process, construction practices etc.	
13:00	Return to Training Venue	
13:00-14:00	LUNCH	
Module 6: Evaluation of Existing Practices		
14:00-16:00	Group work on lessons observed from the field visit. The participants will focus on differences in building permit process in three municipalities, quality control in the site, inspection check list and issues of rapidly urbanizing areas).	
	<p><i>The group work will focus on:</i></p> <ul style="list-style-type: none"> • Actual practice in the field vs. provisions of building codes and actual field practice vs. design approved • Main problems in implementation and causes of the deviation • Crucial links/points in the building control system for such deviations • Role of Designer/ Municipality/ Owner/ Technicians/ Mason and other stakeholders <p><i>The group work will intend to identify</i></p> <ul style="list-style-type: none"> • What are the gaps? • Suggestions for correction/improvement <p><i>Each group makes a report for presentation.</i></p>	
16:00-17:00	Group report presentation and discussion	
	<u>During field visit participants will observe and take notes based on pre-distributed checklists.</u>	

Day Five, 23 May 2008		
Module 6: Evaluation of Existing Practices (Contd...)		
08:30-09:00	Review of previous day work	
9:30-10:15	Evaluation of existing practice in Nepal by Amod M. Dixit, NSET	Download
10:15-11:30	Discussion	
11:30-11:45	Tea break	
Module 7: What Next for Effective Building Code Implementation?		
11:45-13:30	Group Work on developing general broad framework for effective building code implementation (This session will be guided session with templates)	
	Suggest the framework covering institutional mechanism, legal provisions, capacity building and awareness to suit the different types of municipal areas in Nepal	
	<ul style="list-style-type: none"> • Large municipalities (Metropolis and Sub-metropolis) 	
	<ul style="list-style-type: none"> • Medium municipalities 	
	<ul style="list-style-type: none"> • Small municipalities • Rapidly urbanizing Village Development Committee (VDC) Areas 	
13:30-14:15	LUNCH	
14:15-15:00	Group Work (Contd...) and preparation of report for presentation	
15:00-16:30	Presentation of group work and finalization of broad framework	Download Download Download
	<ul style="list-style-type: none"> o Provide broad framework on mechanism, process, flow charts 	
	<ul style="list-style-type: none"> o Step-by-step actions 	
Module 8: Conclusion	Chair Mr. Surya Bhakta Sangachhe, Director-General, DUDBC, Government of Nepal	
16:30-17:30	Evaluation of the workshop	
	Summary and closing	