



# The Project for Promotion of Nepal National Building Code Compliance for Safer Building Construction (NBCC)

Newsletter Volume-4, January 2024

## [Project Introduction]

In Nepal, there are Building Codes and By-Laws. If you build a house in compliance with them, the house will be earthquake-resistant. When you build a house, you have to submit drawings and other necessary documents to the municipality and get a building permit. The municipality carefully checks whether the drawings comply with the Building Codes and By-Laws or not. Therefore, if you build a house according to the approved drawings, your house meets the Building Codes and By-Laws and is earthquake-resistant house.

However, we can see houses are constructed without following the approved drawings while some building owners build their houses without getting a building permit from the municipality. Buildings that are not constructed as per the approved design & drawings can be more damaged during an earthquake and may endanger the neighbors' houses.

To improve this situation, Ministry of Urban Development (MoUD) started the NBCC Project with the support of JICA (Organization of the Japanese government). The NBCC Project aims to increase the construction of earthquake-resistant houses by improving the procedure for applying for construction permits to municipalities

## [Contents of the Newsletter No. 4]

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### 1. Public Relations in the Project

The purposes of the Public Relations are as follows;

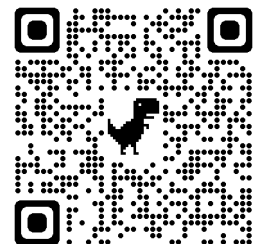
- To let people, know what the project is doing.
- To introduce the updated Building Construction Working Procedure (BCWP) in an easy-to-understand way.

The project issued a Brochure, Newsletters, a Booklet for brief summary of BCWP and a 3D animation video so far which are summarized below:

#### 1-1. Project Brochure

The Brochure is prepared in English language and in A4 size. The project background, overall goal, project purpose, outputs, activities to reach them, implementation structure, etc. are summarized.

(Visit the Project Brochure)



#### 1-2. Slogan

The project set a slogan that clearly indicates the project's goals.

**"Follow Building Construction Working Procedures,  
Build a safe house according to the approved drawings"**



Workshop at Dakshinkali Municipality

### 1-3. Newsletter

The Project team disseminate information and enhance people's awareness of complying with the National Building Code (NBC) through different media.

The project has a plan of issuing six volume of Newsletter and issued three volume of Newsletter so far in both English and Nepali language.

#### 1-3.1 Volume 1

At the initial stage of the Project, several surveys were conducted as a baseline survey. In the Newsletter vol 1, survey method and major result of the building survey are introduced.



*Newsletter Vol 1\_Nepali*



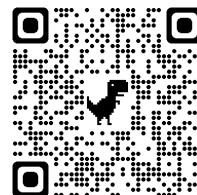
*Newsletter Vol 1\_English*

Out of 12 checkpoints in the under-construction buildings, 3 checkpoints (Beam column joint, Concrete ratio, and Concrete test piece sampling) showed very low compliance with NBC.

#### 1-3.2 Volume 2

The project improves the building construction working procedure (BCWP). In the Newsletter vol 2, applying procedures for RC buildings, flowchart of BCWP and important points are

summarized. In the city area, most buildings apply RC structure, so to understand BCWP is very important. The main purpose of the BCWP is to make uniformity in the building permit process in the municipalities all over the country with introduction of interim inspections of building constructions by municipal engineers.



*Newsletter Vol 2\_Nepali*

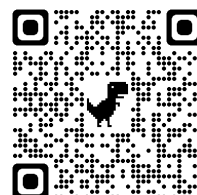


*Newsletter Vol 2\_English*

#### 1-3.3 Volume 3

The project provides training to people concerned so that the improvements made in the new BCWP can be implemented smoothly.

In the Newsletter vol 3, introduction of the trainings, their objectives and goal, training program and their materials, full scale model of bar arrangement, non-destructive testing equipment, training evaluation, etc. are summarized.



*Newsletter Vol 3\_Nepali*



*Newsletter Vol 3\_English*

#### 1-4. BCWP Booklet (Brief summary of BCWP)

This booklet is the brief summary of the revised BCWP. Roles and responsibilities of stakeholders in building construction, application procedure, etc. are explained in an easy-to-understand manner using illustrations and photos.



#### 1-5. 3D Animated Video

The project produced a 3D animated video introducing the following 10 major points in the updated BCWP. A man who wants to build his house visits the municipality to understand the applying procedure.

1. The building owner shall employ a registered designer, supervision consultant & contractor/mason.
2. Designer, supervision consultant and contractor/mason shall be verified and registered to municipalities to be employed
3. Registration of designer, supervision consultant and contractor/mason shall be free-of-cost.
4. The municipality shall conduct the inspection strictly as prescribed (2 times for substructure and 2 times for superstructure).
5. Supervision consultant shall submit the technical report (Material construction test, Rebar inspection, Concrete strength test, etc.) for application for interim inspection (before casting) and final inspection.
6. The municipality shall act on unethical activities by the designer/supervisor.
7. Punishment to defaulters is prescribed according to the local government operation act.
8. The building owner shall attend the orientation class on NBC and By-Laws.
9. Requirement for construction safety is prescribed
10. Application through e-BPS is recommended as compared to the manual system.



(Visit BCWP 3D video)

#### 1-6. 25th Earthquake Safety Day

The 25th earthquake safety day exhibition was held on 17th January 2023 at Kamalpokhari, Kathmandu, Nepal. The Kathmandu metropolitan city was the main organizer of the event and NSET was playing a supportive role in the events. In the exhibition, the Kathmandu metropolitan city exhibited the equipment and technology used for fire control, road accident management, and disaster management.

The project also participated in the event where publications were distributed.



## 2. Recent Project Events

- Level up training for master trainer on design checking and inspection was held from 3rd October to 4th October, 2023 at DUDBC.
- 3 Days workshop on e-BPS, roles and responsibilities of municipal officers, supervision consultant, and designers as per updated BCWP was held at Dakshinkali municipality from 8th October to 10th October, 2023.

## 3. Introduction of the Project Member

In this newsletter, we introduce some members and staff of the project. Other members and staff will be introduced in the next volumes.

### Mr. Prakirna Tuladhar

(Deputy Director General, Building Division, DUDBC)

He is the deputy director general in the building division of the "Department of urban development and building construction" and also works as a project director in NBCC project.



Make the building safe and durable for both present and future generations.



I have been involved in Nepal projects since the earthquake recovery phase. I would like to continue to contribute to the construction of safe buildings in Nepal.

### Ms. Ayaka Kawano (Japanese Expert)

She is responsible for training on design and supervision.



Nepal is my second home.

### Ms. Maki Tanaka (Japanese Expert)

She is responsible for public relations planning and awareness survey.



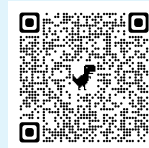
I want to visit Japan and try all the delicious food.

### Ms. Priyanka Limbu (Project staff)

She is responsible for administration management of NBCC project.

### Please visit the Project Website

You can access to the page after the registration.  
<https://sites.google.com/view/nbcctraining/home>



Registration



Website



Implemented by Ministry of Urban Development  
Department of Urban Development and Building Construction  
Technical cooperation Japan International Cooperation Agency  
<https://dudbc.gov.np/en/detail/domain-menu/1973?parent=1862>

