



Government of Nepal
DUDBC



Japan International
Cooperation Agency

Day : 1

Session : 01-01

Revision of MTOT (Level-up Training)

**The Project for
Promotion of Nepal National Building Code Compliance for Safer Building Construction**

JICA EXPERT TEAM

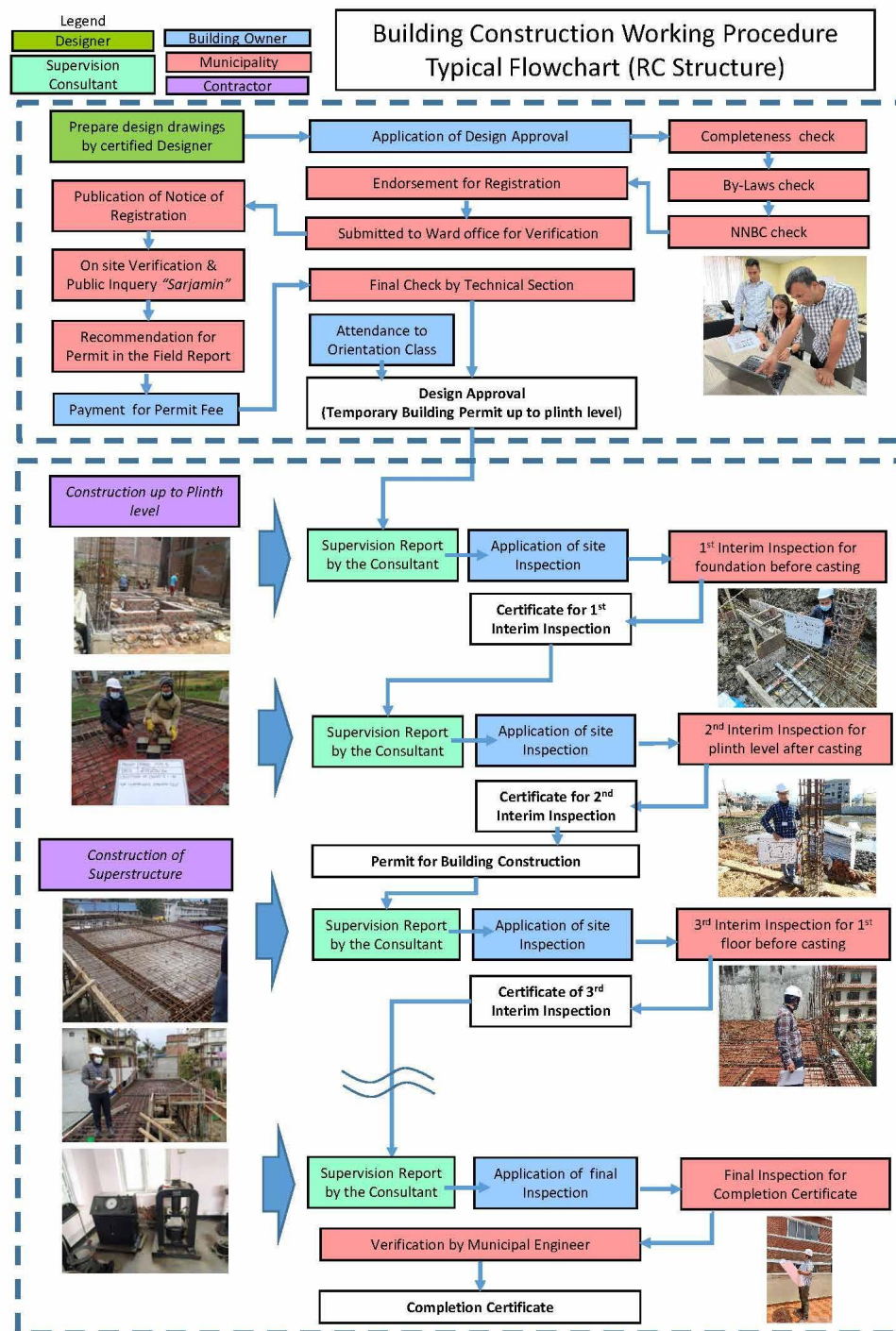
- **Revision of Master TOT**
- **Overview of Level up training**
- **Importance of Level up training**

What was in MTOT

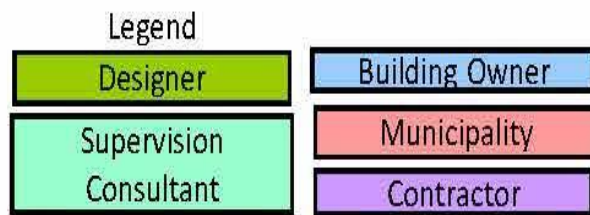
Session of Day 1

- ❖ Introduction, Course Overview, Housing conditions, Contextual Scenario of NNBC
(Topic of Baseline Survey)
- ❖ Outline of BCWP, concept of BCWP, BCWP Administration
- ❖ BCWP Design Approval and Permit for Building Construction
- ❖ Introduction of NBC & Geotechnical Design
- ❖ Explanation on Design Check Procedure (Architectural & Structural Design)

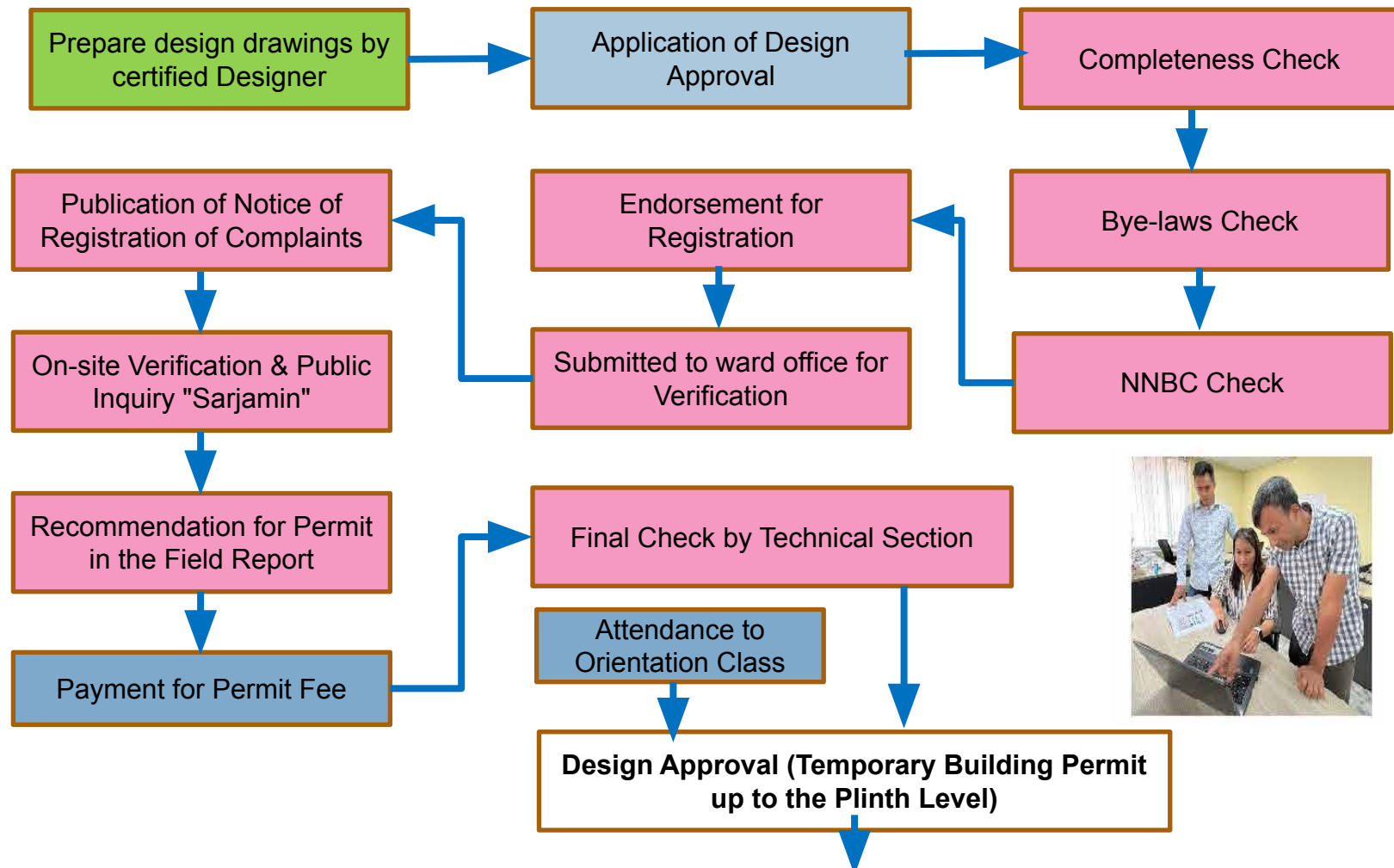
New Procedure of Building Permit



New Procedure of Building Permit - Design Approval



Building Construction Working Procedure Typical Flowchart (RC Structure)



New Procedure of Building Permit - Supervision

Construction up to the Plinth Level

Supervision Report by the Consultant

Application for Site Inspection

1st Interim Inspection for Foundation before Casting

Certificate for the 1st Interim Site Inspection

Supervision Report by the Consultant

Application for Site Inspection

2nd Interim Inspection for Plinth Level after Casting

Certificate for the 2nd Interim Site Inspection

Permit for Building Construction (Superstructure)



New Procedure of Building Permit - Supervision

Construction of
Superstructure



Supervision Report by
the Consultant

Application for Site
Inspection

3rd Interim Inspection for
First Floor before Casting

Certificate for the 3rd
Interim Site
Inspection



Supervision Report by
the Consultant

Application for Final
Inspection

Final inspection for
Completion Certificate

Verification by
Municipal Engineer

Completion Certificate



What was in MTOT

Session of Day 2

- ❖ Explanation on Design Check Procedure (Sanitary & Electrical)
- ❖ BCWP Design Approval and permit for Building Construction (Designer's Responsibilities)
- ❖ BCWP Construction and Supervision
- ❖ Practice of building Administration/ practical examples of construction photographs in Japan/How to Take Inspection Photos in Construction Site(Theory)/How to Conduct Interim Inspection Using Full-scale Model & Explanation on Checklist for Interim Inspection
- ❖ Inspection of full scale model by using checklist for inspection and how to check photos in construction site

What was in MTOT



What was in MTOT

Session of Day 3

- ❖ Group work presentation
- ❖ Quality Control of Concrete Using the Lab in DUDBC
- ❖ How to use non-destructive testers
- ❖ How to use non-destructive testers (Practical)
- ❖ Process Overview / Designer Desk (1) New Application - 1

What was in MTOT



What was in MTOT

Session of Day 4

- ❖ Process Overview / Changed and New Operations Including New Registration Desk Operations
- ❖ Designer Desk (2) New Application - 2
- ❖ Registration Desk
- ❖ Technical Desk (1) Including Structure Check
- ❖ Technical Desk (2) + Ward /Field Desk (1) - Field Verification Check
- ❖ Revenue / Executive Desk

What was in MTOT

Session of Day 5

- ❖ Supervision Consultant Desk - Supervision Reports and Applications
- ❖ Ward / Field Desk (2)- Preparation and On-site Inspection
- ❖ Ward / Field Desk (3) - Inspection Reports and Certificate
 - Monitoring among All Desks Including Monitoring Done by DUDBC
- ❖ Monitoring among All Desks Including Monitoring Done by DUDBC / Archival Desk 1. Old Building Registration, 2. Searching
- ❖ Experience Sharing on e-BPS from Kritipur Municipality

Why Level-up Training?

- ❖ To refresh the knowledge gained in MTOT.
- ❖ To be more familiar with different design checklists of Architectural, Geotechnical and, Structural.
- ❖ To be more familiar with Basic Electrical and Sanitary Design requirements of Building.
- ❖ To be more familiar with checklists of supervision and inspection in different level of Building construction

What is in Level-up Training

Session of Day 1

- ❖ Revision of MTOT
- ❖ How to extract the Architectural data from drawing and fill in checklist
- ❖ How to extract the Geotechnical data and fill in checklist
- ❖ How to extract the Structural data from drawing and fill in checklist
- ❖ Sanitary Design requirements and checklist for Building construction

What is in Level-up Training

Session of Day 2

- ❖ Electrical Design requirements and checklist for Building construction
- ❖ Basic things need to considered while preparing Building Drawings, reports and Model
- ❖ How to Take Photos for Inspection and Supervision Report
- ❖ How to extract from drawing and fill the Supervision/Inspection checklist (1st & 2nd Inspection)
- ❖ How to extract from drawing and fill the Supervision/Inspection checklist (3rd and 4th Inspection)

Updates about BCWP

- ❖ Till date 4 pilot municipalities approved BCWP from their municipal assembly.
 - Dakshinkali Municipality
 - Tarakeshwor Municipality
 - Tokha Municipality
 - Bagmati Rural Municipality
- ❖ 2 days workshop program was conducted at Tokha Municipality for Designer and Supervision consultant.
- ❖ Planning at Dakshinkali and Tarakeshwor municipality

Thank You

