

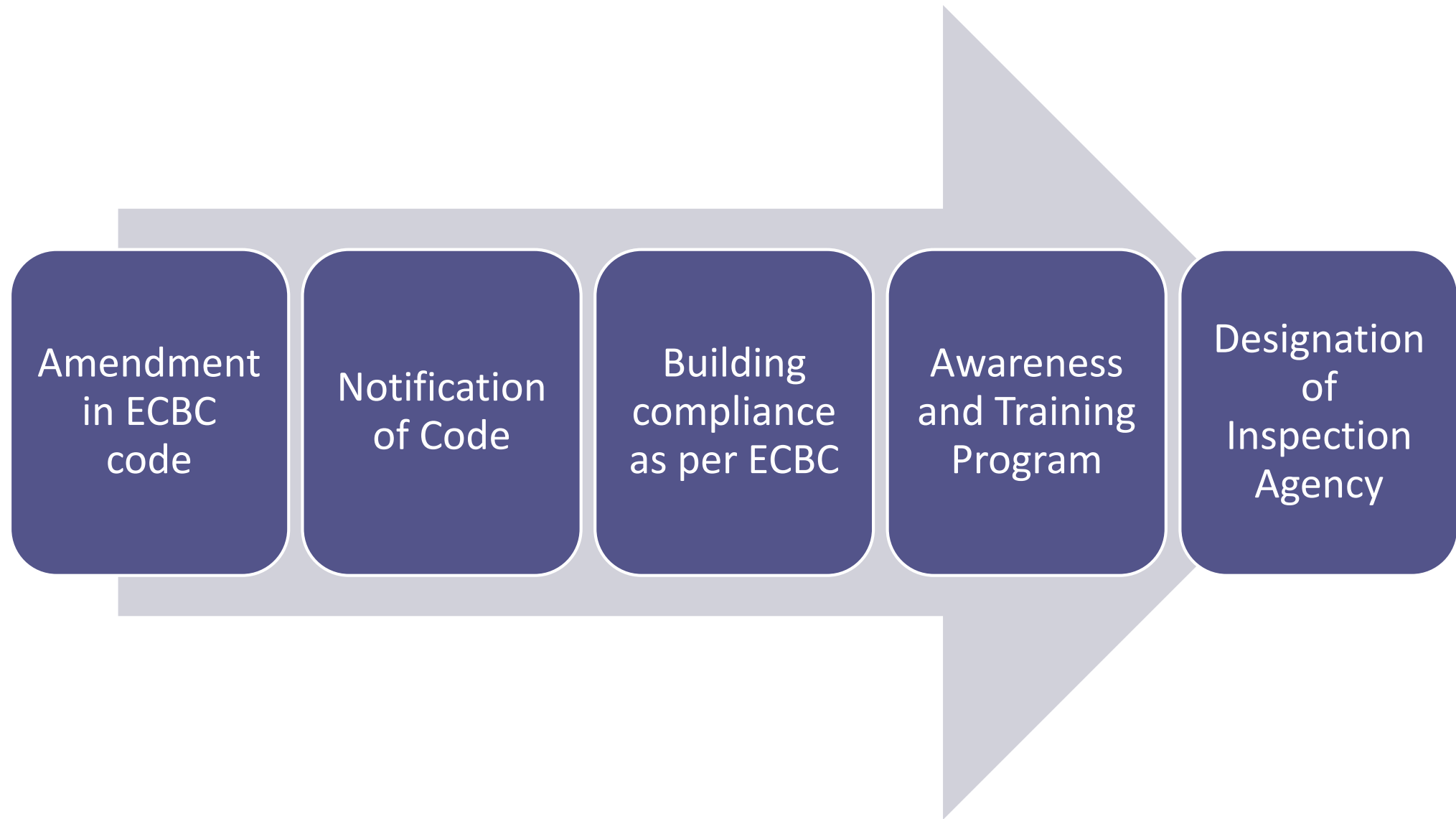
Road Map for ECBC Implementation in Arunachal Pradesh Status of the Work

Implementing Agency: Arunachal Pradesh Energy Development Agency (APEDA), represented by Marki Loya, Director.

Consultant: Global Evolutionary Energy Design , represented by SMH Adil.

23rd & 24th March 2017,
Radisson Blue Guwahati, Assam, INDIA

Power to State Government



Amendment in ECBC code

Arunachal Pradesh Energy Conservation Building Code (APECBC)

- Constitution of State level Committee - Done.
- Stakeholder consultations / workshops - Done.
- Amendment in ECBC as per climate conditions prevailing in State – Done.
- Circulation of amended draft ECBC -Done.
- Stakeholder Consultations/ workshops to discuss comments/suggestions – Done.
- Finalization of amended draft ECBC for the State – under process.
- Notification of ECBC for the state - to be done.

Amendment in ECBC code

Arunachal Pradesh Energy Conservation Building Code (APECBC)

2. Scope

The code is applicable to buildings or building complexes that have a connected load of 50 kW or greater or a contract demand of 60 kVA or greater.

This code would become mandatory as and when it is notified by the central and state government in the official Gazette under clause (p) of Section 14 or clause (a) of Section 15 of the Energy Conservation Act 2001 (52 of 2001)

2.1. Applicable Building Systems

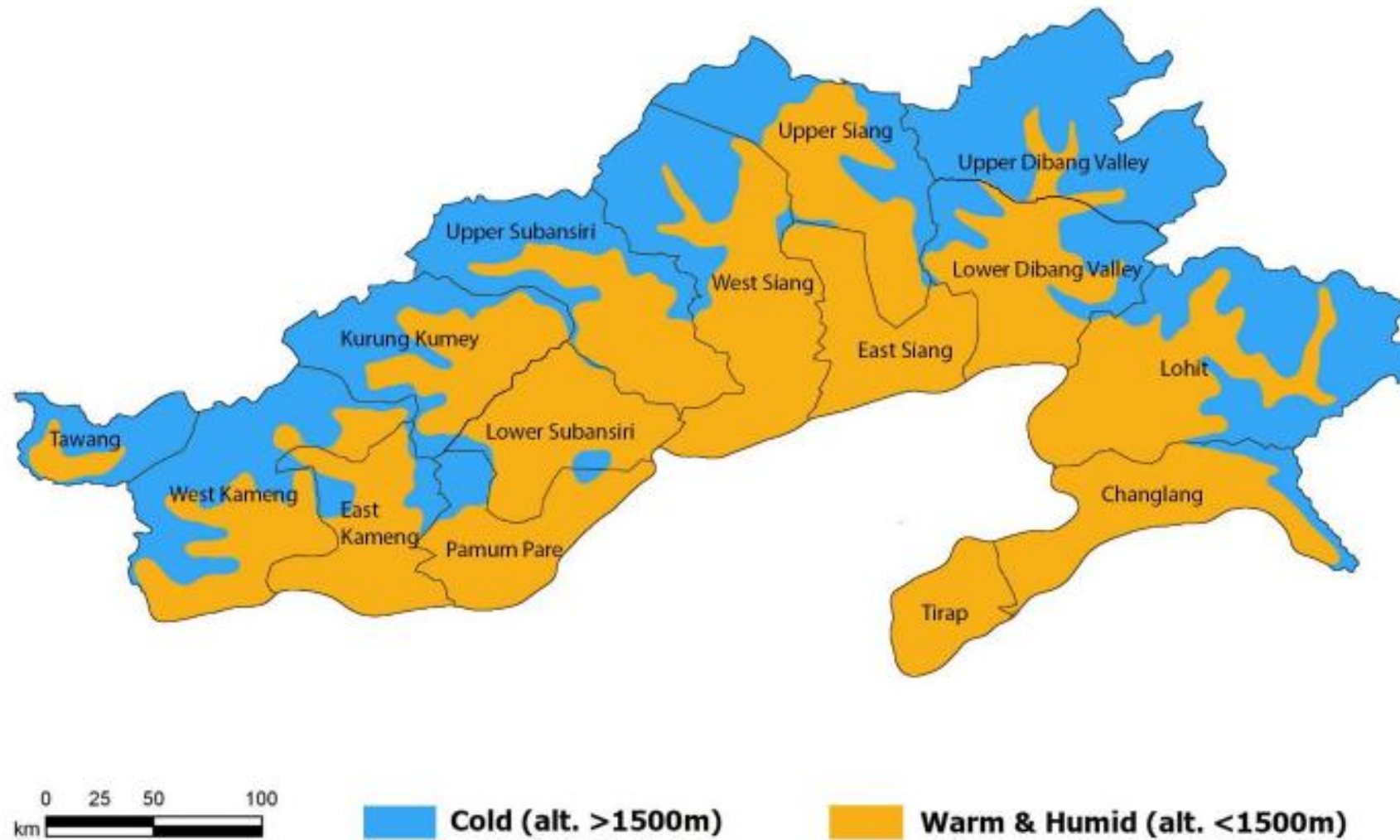
The provisions of this code apply to:

- a) Building envelopes, except for unconditioned storage spaces or warehouses
- b) Mechanical systems and equipment, including heating, ventilating, and air conditioning
- c) Service hot water heating
- d) Interior and exterior lighting
- e) Electrical power and motors

“Based on the data collected for existing buildings”

Amendment in ECBC code

Climate Zone Map of Arunachal Pradesh - Classified into Cold and Warm & Humid.



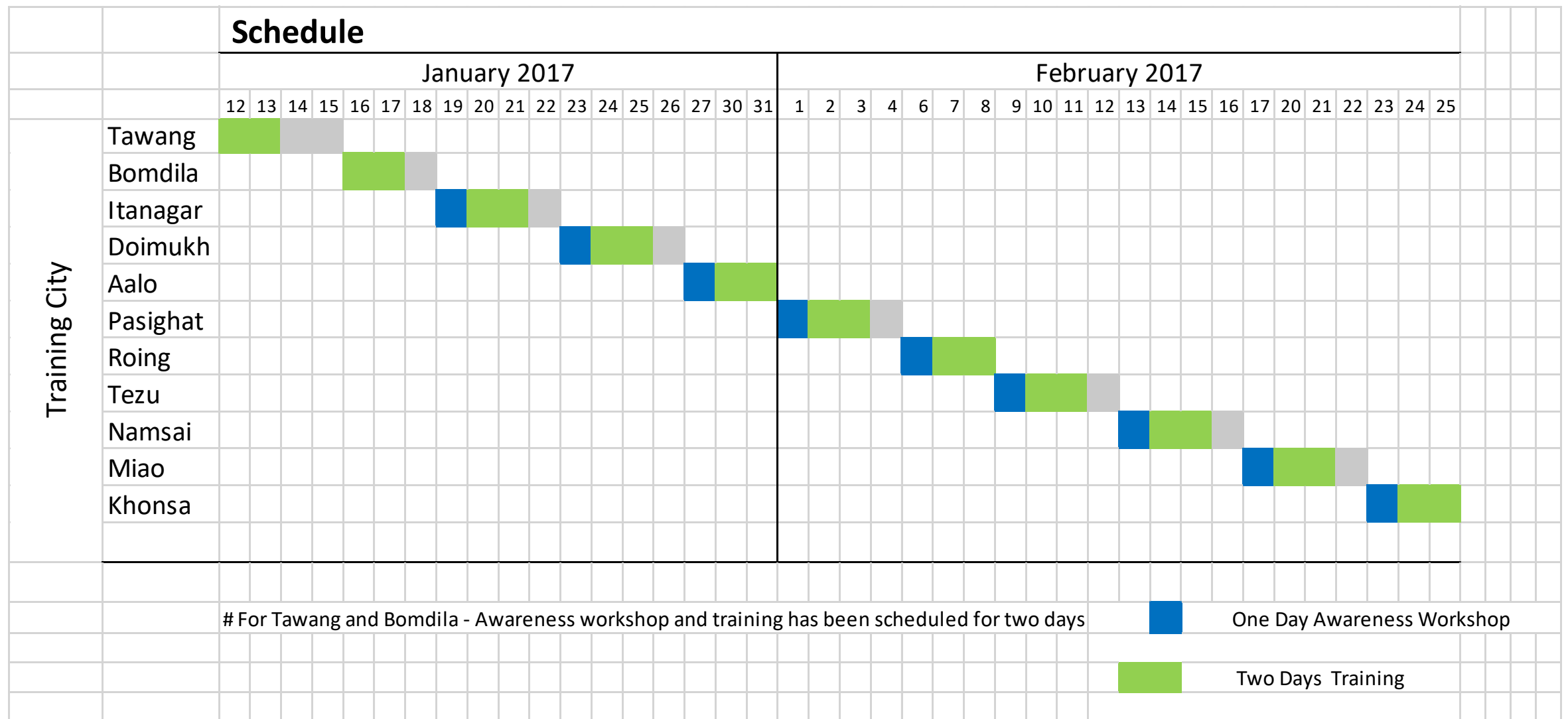
Awareness and Training Programs

Stakeholders (The Consultant has conducted trainings in 11 districts.)

- PWD Engineers & Architects
- Urban Development and Housing Deptt.
- Department of Power
- Directorate of Town Planning
- Arunachal Pradesh Energy Development Agency (APEDA)
- Rural Engineering Services
- Urban Administration Department
- Various Engineers' Associations
- Private Architects and Engineering Firms
- Town Planners and Developers
- Municipal Corporations

Awareness and Training Program

Completed Training Schedule

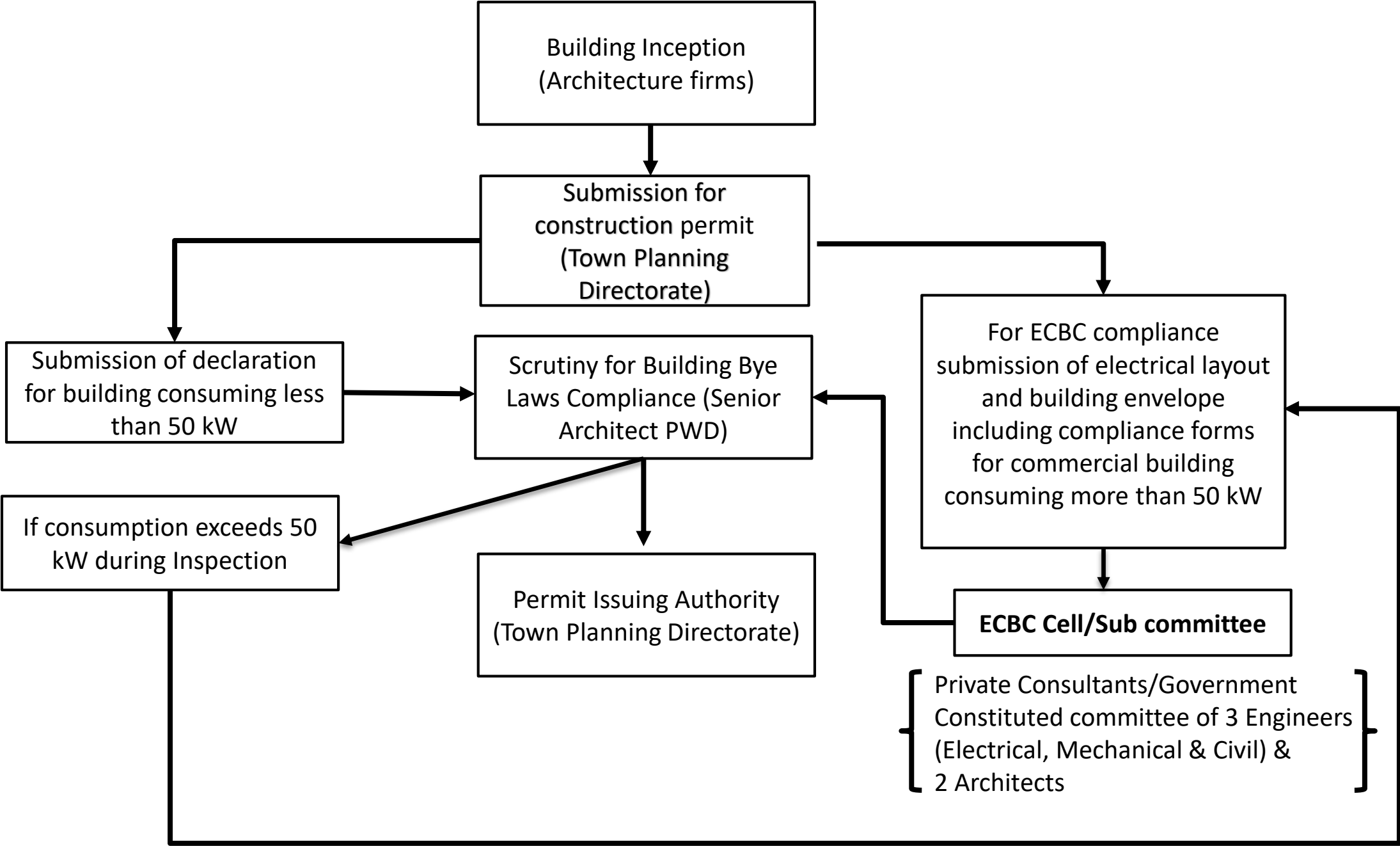


Awareness and Training Program – a few Photographs

Completed Trainings



Draft Expert Committee Model for Enforcement of APECBC



Support Required

- » Notification will be done by state authorities in due course of time.
- » Establishment of ECBC Cell for initial support and smoothing of compliance process.
- » Further training to enhance capacity of the state in using simulation tools for effective design and compliance.
- » Identification of projects for ECBC Compliance Demonstration.
- » Addition of ECBC code in building by laws at local and state level.
- » Addition of Energy efficient products in schedules of rates (SOR) documents.
- » Digital resources in the form of Mobiles Apps and Web Tools for ease in implementation of ECBC the state.

Thanks you



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