

Concept Note

Implementation roadmap for Eco-Niwas Samhita 2018 Forum for Accelerating Transformation in Energy Efficient Homes(FATEH)

Chair –Principal Secretary, Urban Development Department

Convener – Head of SDA

Objective of FATEH

The objective of FATEH is highlighted below.

- Increase **awareness** on energy conservation building code
- Facilitate **capacity building** of builders and building approval officials
- Facilitate **implementation** support to the state
- Facilitate **demonstration** through pilot testing of ENS

- Support in creating a **forum** of key stakeholders for regular interactions

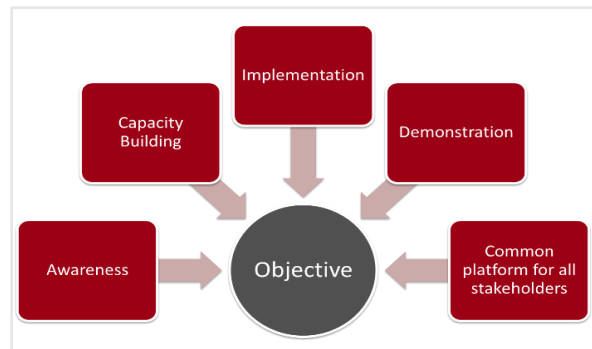


Figure 1

Implementation Roadmap/ proposed Key Indicators

1	Awareness	Awareness workshops as required by forum
2	Capacity Building	Capacity buildings workshops and training materials for architect and engineers as required by forum
3	Implementation	<ul style="list-style-type: none"> • Amendment of state bye-laws • Implementation support for ENS
4	Demonstration	<ul style="list-style-type: none"> • ENS compliant residential building • 4 or 5-star labeled residential building
5	Forum	<ul style="list-style-type: none"> • Create forum of following key stakeholders – <ul style="list-style-type: none"> ○ Urban development department (Chair) ○ BEE/ SDA ○ Urban local bodies (at least 3 key ULBs) ○ Town and county planning office ○ RERA ○ Public works department ○ Builder associations (CREDAI, NAREDCO) ○ Architect associations



		<ul style="list-style-type: none"> ○ Material Manufacturer associations ● Convene forum meetings ● Strategy map for builder associations ● Strategy map for material manufacturer associations
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Proposed Action Plan – Role and Activities

Stakeholder	Role	List of activities for FATEH
BEE/SDA	<ul style="list-style-type: none"> ● Create a common platform for all key stakeholders ● BEE to provide central support ● SDA to provide local support 	<ul style="list-style-type: none"> ● Set-up the forum and convene forum meetings in every quarter of the year. ● Set-up a local implementation team to assist SDA and for better coordination ● Facilitate technical assistance to stakeholders ● Support in ENS amendment to suit local climatic conditions ● Make draft notification guidelines for implementation of the code acceptable to HUPD/TCPO ● Assist ULB in setting up M&V system for ENS
Urban Development Department (HUPD) /Town and Country planning office (TCPO)	<ul style="list-style-type: none"> ● Notify ENS in the state 	<ul style="list-style-type: none"> ● Principal Secretary, HUPD to chair the forum meetings ● Review the state ENS and amend the code ● Nominate officials involved in urban development to be part of the forum ● Implement ENS through notification and revision of state model bye-laws ● Notify incentive program to promote ECBC adoption
Urban local bodies (ULBs)	<ul style="list-style-type: none"> ● Incorporate provisions of ENS in state bye-laws 	<ul style="list-style-type: none"> ● Develop ENS compliance procedures ● Adapt M&V system to include provisions of ECBC ● Demonstration project support
Builder Associations (NAREDCO) (CREDAI)	<ul style="list-style-type: none"> ● Adopt ENS ● Adopt EE label scheme ● Create awareness among communities 	<ul style="list-style-type: none"> ● Review the state ENS and give their comments to Urban Development Department ● Sign MoU ● Provide building project to BEE for technical assistance ● Demonstration project for ENS compliance <ul style="list-style-type: none"> ○ ENS compliant building ○ 5-star labeled building ● Participate in the forum activities ● Create awareness among other builders on benefits associated with adoption of ENS through



		workshops and seminars
Architect associations	<ul style="list-style-type: none"> • Adopt ENS • Adopt EE label scheme • Create awareness among community 	<ul style="list-style-type: none"> • Review the state ENS and give their comments to Urban Development Department • Design ENScompliant buildings • Assist in providing technical assistance to local builders • Demonstration project <ul style="list-style-type: none"> ○ ENS compliant building ○ 5-star labeled building • Participate in the forum activities • Participate in capacity building programs • Create awareness among community
Public Works Department	<ul style="list-style-type: none"> • Adopt ENS • Adopt EE label scheme • Create awareness among community 	<ul style="list-style-type: none"> • Review the state ENS and give their comments • Provide building design project for technical assistance • Participate in the forum activities • Participate in capacity building programs • Incorporate ECBC requirements in their building designs • Revise schedule of rates (SoR)
Material Manufacturer Associations	<ul style="list-style-type: none"> • Transform the EE materials market 	<ul style="list-style-type: none"> • Work on cost-effective model to ensure availability of EE materials • Contribute to the BEEprogram on material directory • Provide latest technologies & cost benefit analysis for the consideration of builders • Regional mapping of material availability