



GOVERNMENT OF KERALA

Abstract

Power Department- Implementation of Energy Conservation Building Code for Residential Buildings in the State-Eco Niwas Samhita

POWER (A) DEPARTMENT

G.O.(Rt)No.

Dated,.....Thiruvananthapuram

NOTIFICATION

Whereas clause (p) of section 14 of the Energy Conservation Act,2001 (Central Act 52 of 2001) empowers the Central Government to prescribe Energy Conservation Building Code for efficient use of energy and its conservation in the building or building complexes, by notification, in consultation with the Bureau of Energy Efficiency;

And whereas, clause (a) of section 15 of the Energy Conservation Act, 2001 empowers the State Government to amend the Energy Conservation Building Code, in consultation with the Bureau of Energy Efficiency, to suit the regional and local climatic conditions and may, by rules made by it, specify and notify Energy Conservation Building Code with respect to use of energy in the buildings;

Considering the current and anticipated rapid growth in the residential building stock across India and the importance of energy conservation in residential building, Government of India has published the Energy Conservation Building Code for Residential Buildings named the Eco Niwas Samhita in two volumes, viz., Eco Niwas Samhita 2018 (Part-I: Building Envelope) set minimum building envelope performance requirements to limit heat gains (for cooling dominated climates) and to limit heat loss (for heating dominated climates), as well as for ensuring adequate natural ventilation and day lighting potential where as The Eco Niwas Samhita 2021 (Code Compliance and Part II: Electro-Mechanical and Renewable Energy Systems) specify code compliance approaches and minimum energy performance requirements for building services, indoor electrical end-use and renewable energy system.

The code applies to-

1. Residential building built on a plot area of $\geq 500m^2$
2. Residential part of Mixed land-use building projects, built on a plot area of $\geq 500m^2$

Now, therefore, the Government of Kerala have examined the code in detail and in exercise of the powers conferred by clause (a) of section 15 and section 57 of the Energy Conservation Act, 2001 (Central Act 52 of 2001), are pleased to notify that the Eco Niwas Samhita (ENS) shall be applicable to the residential buildings in the state which come under its prescribed scope and shall follow the guidelines prescribed in section for 'Warm & Humid' climatic conditions given in the code, for the State. Whenever the ENS code is revised or modified or amended or any other changes made by the Central Government, that will follow as replacement or as supersedence of the current Code and that will automatically apply to the State.

Explanatory Note

(This does not form the part of the notification, but is intended to indicate its general purport.)

The Energy Conservation Act, 2001 (Central Act 52 of 2001) empowers the Central Government under clause (p) of section 14 read with sub-clause (1) of clause (2) of section 56, to prescribe Energy Conservation Building Code (ECBC). The gross electricity consumption in residential buildings has been rising sharply over the years. Energy codes for new buildings are an important regulatory measure for ushering energy efficiency in the building sector. Given the current and anticipated rapid growth in the residential building stock across India and the consequent opportunities as well as the necessity for energy conservation in this sector, the Energy Conservation Building Code for Residential Buildings named Eco Niwas Samhita is established by the Ministry of Power, Government of India

In this context, aiming to improve energy efficiency and energy utilization in the residential building sector, the Government of Kerala have decided to adopt Eco Niwas Samhita (ENS), published by Government of India. Eco Niwas Samhita shall be applicable to all new residential buildings and new residential parts of 'mixed land use projects' intended to be built on a plot area $\geq 500\text{m}^2$.

Whenever the ENS code is revised or modified or amended or any other changes made by Government of India/Bureau of Energy Efficiency, that will follow as replacement or as supersedence of the current Code, that will automatically apply to the State.

Government have decided to approve and notify the same.