

GREEN BUILDING

MINISTRY OF NEW AND RENEWABLE ENERGY

ENERGY CONSUMPTION BY GREEN BUILDINGS

07th May 2015

LSQ 6797

VIJAY KUMAR HANSDAK

Will the Minister of **NEW AND RENEWABLE ENERGY** be pleased to state:-

- (a) whether the Government is aware of the fact that many green rated buildings once become operational, consume high amounts of energy, if so, the details thereof and the reasons for this contradiction;
- (b) whether the Government proposes to introduce mandatory energy, water audits and other measures to improve the post-construction performance, accountability and transparency of green buildings, so that efficient design translates into efficient performance; and
- (c) if so, the details thereof and if not, the reasons therefore?

**THE MINISTER OF STATE FOR POWER, COAL & NEW AND RENEWABLE ENERGY
(INDEPENDENT CHARGE) (SHRI PIYUSH GOYAL)**

(a): The green rated buildings under Green Rating for Integrated Habitat Assessment (GRIHA) rating and star rating of Bureau of Energy Efficiency ensure less energy consumption of buildings.

(b)&(c): The existing rating systems in India have included the stringent and transparent monitoring of actual energy and other resources including water used during building operation. There is no such proposal from the Government to introduce mandatory energy, water audits and other measures to improve the post-construction performance, accountability and transparency of green buildings

The Energy Conservation Building Code (ECBC) introduced by Bureau of Energy Efficiency sets minimum energy performance standards for commercial buildings with a connected load of 100 kWp and above. ECBC is voluntary in nature.

MINISTRY OF URBAN DEVELOPMENT

DISCREPANCIES EN GREEN BUILDING RATINGS

17TH December 2014

LSQ 4132

MEENAKASHI LEKHI

Will the Minister of **URBAN DEVELOPMENT** be pleased to state:-

- (a) the Indian Green Building Council (IGBC) rating-wise details on the power consumption of the large commercial green buildings in the country including the platinum and gold grade buildings;
- (b) whether the Government has noticed the discrepancies in the typology- classification of buildings resulting in incorrect ratings;
- (c) if so, the details there of;
- (d) whether the Government is considering revisiting the EPI set for each typology under the current rating-system of IGBC and further clarifying the conditions for each typology; and
- (e) if so, the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF URBAN DEVELOPMENT

(a) to (e) The Indian Green Building Council (IGBC) ratings is not the National rating system. Therefore, no details are kept about buildings which have been awarded ratings including Gold and Platinum rating. In view of this, the details with regard to discrepancies in the typology classification of buildings are not available. Similarly, no comments can be offered on the EPI set for each typology under the current rating system of IGBC.

MINISTRY OF ENVIRONMENT, FORESTS AND CLIMATE

PROMOTION OF GREEN BUILDINGS

03rd March 2015

LSQ *116

GAJANAN CHANDRAKANT KIRTIKAR
PASWAN SHRI CHIRAG

Will the Minister of **ENVIRONMENT, FORESTS AND CLIMATE CHANGE** be pleased to state:-

- (a) the methodology being followed at present for rating of buildings on the basis of energy efficiency;
- (b) whether the Government proposes to provide special logo to all green (environment friendly) buildings identified or the basis of use of water/ energy conservation methods, recycled materials solar powers, natural lighting and energy self sufficiency across the country;
- (c) if so, the details thereof and the objective behind the move;
- (d) the time by which the Government is likely to issue the logo; and
- (e) the steps taken/being taken by the Government for promotion of environment friendly measures for buildings?

MINISTER OF STATE (INDEPENDENT CHARGE) FOR ENVIRONMENT, FORESTS AND CLIMATE CHANGE (SHRI PRAKASH JAVADEKAR)

(a) to (e): A statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) to (e) OF THE LOK SABHA STARRED QUESTION NO. 116 FOR 03.03.2015 REGARDING "PROMOTION OF GREEN BUILDINGS" BY SHRI GAJANAN KIRTIKAR AND SHRI CHIRAG PASWAN.

(a) to (e) According to the Ministry of Urban Development, no rating of building is done on the basis of energy efficiency alone. However, green building rating system is being adopted based on minimum

depletion of natural resources during the construction and operation of building. Energy efficiency is also one of the parameters of the rating systems. There is no such proposal at present to provide special logo to green building. The steps taken to promote environment friendly measures for building include provisions of rain water harvesting; solar energy system; sewage treatment plant (STP); flyash bricks; low flow water fixtures; sensor based urinals etc.

GREEN RATED BUILDINGS

23rd December 2014

LSQ 4907

ARUNMOZHITHEVAN

Will the Minister of **ENVIRONMENT, FORESTS AND CLIMATE CHANGE** be pleased to state:-

- (a) whether it is true that the architects and the building industry have criticized the report by the Centre for Science and Environment on green buildings titled Buildings Sense;
- (b) if so, the details thereof; and
- (c) the reaction of the Government thereto?

MINISTER OF STATE (INDEPENDENT CHARGE) FOR ENVIRONMENT, FORESTS AND CLIMATE CHANGE (SHRI PRAKASH JAVADEKAR)

(a) to (c) The Centre for Science and Environment (CSE) has published a report titled “Building Sense-beyond the green façade of sustainable habitat”. The report, inter-alia, recommends affordable and sustainable buildings using traditional and modern ways of architecture. According to the CSE, no criticism were received by them to their report. The report has been published by the CSE and not officially received in the Ministry; hence could not be analyzed.