

**GOVERNMENT OF INDIA
HOUSING AND URBAN POVERTY ALLEVIATION
LOK SABHA**

STARRED QUESTION NO:56
ANSWERED ON:09.07.2014
GREEN PRACTICES IN CONSTRUCTION SECTOR
Suresh Shri Doddaalahalli Kempegowda

Will the Minister of HOUSING AND URBAN POVERTY ALLEVIATION be pleased to state:

- (a) whether the existing policies promote green building technology in the real estate/construction sector and if so, the details thereof and if not, the reasons therefor;
- (b) whether the real estate/construction sectors in the country are reportedly slow in incorporating the best practices including green building norms and if so, the details thereof and the reasons therefor;
- (c) whether there is general lack of awareness among majority of developers and consumers about the benefit of green building technology/best practices in construction sector; and
- (d) if so, the steps taken/being taken by the Government to create awareness about the same and upgrade existing buildings to green buildings?

Answer

THE MINISTER OF HOUSING & URBAN POVERTY ALLEVIATION (SHRI M. VENKAIAH NAIDU)

(a) to (d): A Statement is laid on the Table of the Sabha.

STATEMENT REFERRED TO IN REPLY TO LOK SABHA STARRED QUESTION NO. 56 FOR 09.07.2014 REGARDING GREEN PRACTICES IN CONSTRUCTION SECTOR

(a) 'Land' and 'Colonisation' being State subjects, real estate development and related construction are governed by Development Control Rules and Building Byelaws of respective state or Development Authorities. However, in order to supplement the efforts of the State Government in Sustainable Building Technologies, following steps have been taken by the Union Government:

National Urban Housing & Habitat Policy 2007 promotes sustainable development of habitat in the country, inter-alia, emphasized use of renewal form of energy for construction techniques and rain water harvesting technologies, use of low cost, local agricultural and industrial waste viz. flyash, red mud and allied local materials and use of bamboo as wood substitute.

Ministry of Environment and Forest has issued Gazette Notification dated 3rd November, 2009 banning the use of burnt clay brick making within 100 km radius of thermal power plants and compulsory use of flyash for construction by construction agencies of Central, State, Local Government and Private and Public Sector.

Central Public Works Department (CPWD) has brought out a Guidelines for Sustainable Habitat technologies to evaluate the use of materials based on sustainability index which Architect/Engineers in designing a choice of lay and plan.

Bureau of Indian Standards (BIS) aims to include Sustainability in Building Construction through National Building Code 2005.

Ministry of Power in May 2007 has brought out the Energy Conservative Building Code (ECBC) for promoting energy efficiency in building sector.

Rajiv Awas Yojana Scheme encourages State/UTs for innovate approach in planning, demonstrating integrated livelihoods, shelters and services or convergence and cost effective green building design and technologies.

(b) to (d) : In real estate Sector, adaptation of green concept is a voluntary exercise. Green building involves planning, choice of materials and technologies, machines and equipment and good construction practices. Various green rating system like the Leadership in Energy and Environmental Design (LEED-INDIA) by Indian Green Building Council and Green Rating for Integrated Habitat Assessment (GRIHA) by TERI.

GRIHA rating system helps to access the performance of building against certain nationally acceptable benchmarks. CPWD and other Government agencies has adopted GRIHA rating system.

Building Materials and Technologies Promotion Council (BMTPC), an autonomous body under the aegis of the Ministry of Housing and Urban Poverty Alleviation works towards smooth transfer of cost effective, energy-efficient, environment- friendly and disaster

resistant building materials and construction technologies from lab to field. The Council has introduced flyash, cellular light weight concrete, bamboo based materials, bagasse boards etc. in the housing sector.

BMTPC and other organizations organize seminars, workshops and exhibitions amongst the stakeholders in different parts of the country.