Efficiency of green rated buildings

1999. SHRI TIRUCHI SIVA: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether Government is aware of the fact that many green rated buildings once operational consume high amounts of energy;

(b) whether it is a fact that lack of stringent and transparent monitoring of actual energy and resources use during building operation would seriously compromise resources savings;

(c) if so. whether Government proposes to introduce mandatory energy and 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

(d) if so, the details thereof and if not, the reasons therefor?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (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) The existing rating systems ill India have included the stringent and transparent monitoring of actual energy and resources use during building operation so that no compromise is made in terms of energy savings.

(c) and (d) There is no such proposal from the Government. However, few States such as Kerala, Madhya Pradesh and Rajasthan have made the energy audit mandatory for certain categories of 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.

Generation cost of wind energy

2000. SHRI ANIL DESAI: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether it is a fact that, among the various sources of energy, wind energy is the cheapest source in terms of generation cost;

(b) if so, the comparative cost of power generation of wind energy and other sources of energy, unit-wise;