

Q) The India's attitude towards green buildings has inherently been different from western model of green building which is equipment centric. Do you agree.
Examine.

Indian Green Building Council (IGBC) has come out with Net Zero energy Buildings Rating System in collaboration with the World Green Building Council and United States Agency for International Development (USAID). Under this initiative the Annual Energy Consumption reducing by 40-50%. This Indian initiative give more focus on green building materials, reducing energy consumption using Renewable Energy Sources, apart from materialistic or equipment - centric western approach.

Indian Initiatives in Green Buildings

- 1) Use local materials, local ecology, reduce power, and water requirements
- 2) Energy generation using Renewable Systems like Solar, Wind, geothermal etc.

- 2) If possible sending excess energy to electric grids.
- 3) Rooftop systems can collect rainwater to reduce usage of treated water

eg:- Indira Paryavaran Bhavan in New Delhi

- 1) India's first net zero energy building.
- 2) 75% of natural daylight to be utilised to reduce energy consumption.
- 3) Project under Green Rating Integrated Habitat Assessment (GRHA) under The Energy and Resource Institute (TERI).
- 4) Use fly ash bricks, Regional building materials, high reflectance terrace tiles etc

Need for India's different approach (Net zero energy) Building

- 1) Reduce Pollution level, Create Environmentally Responsible Society.
- 2) Improve health of the masses with better Sanitation measures
- 3) Indian green buildings should meet demands of Leadership in Energy & Environmental Design (LEED) a global player of green buildings.

Green buildings and Infrastructural development with less environmental impacts is a global need. The government of India should take steps to achieve net zero energy buildings by more strong Energy Conservation Buildings Codes of India with less loopholes.