

CASE STUDY - 2

CARBON NEUTRALITY IN CONSTRUCTION– CHALLENGES, OPPORTUNITIES

★ Project Statement

Immense energy is required to source and manufacture building materials, to power construction sites, to maintain and renew the built environment. To ensure that the Paris climate targets are met, the building and construction industry needs to become a climate leader by moving towards net-zero construction. Its CO₂ emissions need to be cut in half by 2030 for building stock to be carbon-free by 2050, according to a recent report by the United Nations Environment Programme (UNEP).

Here, you need to prepare a draft of new net-zero building initiatives to focus on curbing emissions across the whole building life cycle.

- Bring out Challenges & Opportunities in accordance with Indian conditions.
- Make sure that the Challenges & Opportunities are point specific like Embodied Carbon, Upfront Carbon, Operational Carbon, use stage Embodied Carbon and End of Life carbon.

Full details, requirements, and instructions are provided backside.

★ Project Tasks :

Carbon Neutrality in Construction - Challenges, Opportunities

★ Submission Requirements :

Instructions :

- 1) Team can consist 2-5 members
- 2) The presentations will start from 9:00 AM on 16th April and Maximum presentation time of 15min (10min +5 min for questions) will be given to team
- 3) 10 teams will be finalized to present their work before the panel. Elimination will be based on abstract
- 4) The abstract should be in pdf format, withstanding the word limit of 450 words

