

One Day Workshop on Light Weight Aggregate Concrete: Development and Applications



A glimpse of workshop at IIT Bhubneswar

Development Alternatives participated in the ‘One Day Workshop on Light Weight Aggregate Concrete: Development and Applications’ organised by School of Infrastructure, IIT Bhubaneswar, jointly with Indian Concrete Institute (ICI), Bhubaneswar chapter, and Indian Metals & Ferro Alloys (IMFA) Limited. The workshop, held on 19th April 2024, focused on building industry-academia collaborations. The TARA team from Development Alternatives participated on 19th April 2024, focusing on sintered fly ash aggregates that may be used in lightweight concrete for structural applications and other similar topics.

The LCW group at IIT Bhubaneswar has been working on new technologies:

1. Use of sintered fly ash aggregates
2. Lightweight Aggregate (LWA) concrete in Affordable Housing.

The workshop will cover the following topics through lectures:

- Introduction to sintered fly-ash lightweight aggregates and their manufacturing
- Development of lightweight concrete using sintered fly ash aggregates
- Performance of structural lightweight concrete developed with sintered fly-ash aggregates
- Guidelines for structural lightweight concrete (IS Code)
- Execution of lightweight concrete projects with the help of a case study.

The workshop aimed at gaining insights and knowledge on the latest advancements, strategies, and techniques in sustainable construction practices, exploring innovative ideas, and networking with industry experts and others in the field to promote sustainable development.



Certificate distribution