



One Day Workshop
on

**Light Weight Aggregate Concrete:
Development and Applications**
Registration Form

Name:

Gender (M/F/NA):

Designation:

Organization:

Address:

Mail ID:

Contact No.:

Note: Registration form (hard copy / soft copy) should reach the coordinators on or before 5th April 2024.

(Maximum Intake – 30, Copy of this registration form can also be used)

Signature

One Day Workshop
on

**Light Weight Aggregate Concrete:
Development and Applications**

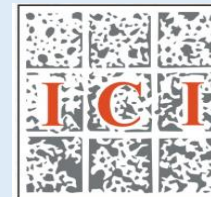
19th April 2024

Organised by



**School of Infrastructure
Indian Institute of Technology Bhubaneswar**

In association with



Indian Concrete Institute (ICI)



Indian Metals & Ferro Alloys Ltd.

What are sintered fly ash aggregates?

Sintered fly ash aggregates are a type of lightweight aggregate made from fly ash, a waste product from the power industry. The aggregates can be used in place of natural stone chips in concrete. They can reduce dead weight, and can be used to make lightweight precast concrete blocks for load and non-load bearing elements. The aggregates can also help preserve natural resources, and reduce the cost of concrete.

What is lightweight concrete?

Lightweight aggregate concrete (LWC) is a type of concrete that uses lightweight aggregates, such as fly ash or slag, instead of traditional heavy aggregates like sand or gravel. This results in a concrete that is lighter and stronger than conventional concrete. LWC is commonly used in rehabilitation and repair of existing structures, as well as in new construction projects where weight is a concern, such as in seismic-prone areas or for multi-story structures



About the workshop:

This workshop is aimed at introducing sintered fly ash aggregates that may be used in lightweight concrete for structural applications, to various stakeholders of infrastructure development in the country. The workshop will be conducted through a series of lectures delivered by speakers from eminent institutes, emphasizing the design, performance, and practical applications of structural lightweight concrete. The workshop is organized by the School of Infrastructure, IIT Bhubaneswar, jointly with Indian Concrete Institute (ICI), Bhubaneswar chapter, and Indian Metals & Ferro Alloys (IMFA) Limited.

Themes / Lectures:

The lectures will be delivered on the following topics in the workshop:

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

Resource persons:

Experts from IITs, and industry will deliver the lectures in the workshop

Who can attend?

Executives, engineers, and researchers from different government organizations.

Venue:

School of Infrastructure, IIT Bhubaneswar Argul, Khurda, Odisha-752050

Coordinators:

Dr. Dinakar Pasla

Professor
School of Infrastructure
IIT Bhubaneswar

Mail: pdinakar@iitbbs.ac.in

Ph: 9556297825

Dr. Umesh C Sahoo

Associate Professor
School of Infrastructure
IIT Bhubaneswar

Mail: ucsahoo@iitbbs.ac.in

Ph: 9777249908

Dr. Anush K C

Assistant Professor
School of Infrastructure
IIT Bhubaneswar

Mail: akc@iitbbs.ac.in

Ph: 6284654627