



One Day Workshop

on

**Whitetopping - A Sustainable Option for Pavement
Rehabilitation**

Registration Form

Name:

Gender (M/F):

Designation:

Organization:

Address:

Email:

Mobile No:

Accommodation Required: Yes/ No (Please tick)

Registration Fee Details:

Registration Fee is Rs.1000/- per participant.

Electronic Transfer can be made to the following account:

**A/c Name- CEP IIT Bhubaneswar, A/c No. 24282010001960, Syndicate Bank, IIT,
Bhubaneswar, Argul, IFSC Code- SYN0007282.**

DD can also be made in favour of 'CEP IIT Bhubaneswar' payable at Bhubaneswar.

Registration form should reach the coordinator on or before 31st October 2019.

(Intake-50, Copy of this Registration form can also be used)

Signature

One Day Workshop

on

**Whitetopping - A Sustainable Option for
Pavement Rehabilitation**

8th November 2019

Organised by



SCHOOL OF INFRASTRUCTURE

INDIAN INSTITUTE OF TECHNOLOGY BHUBANESWAR

In Association with



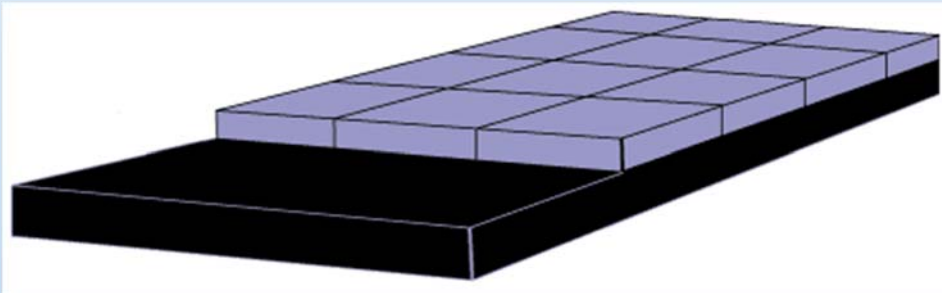
Indian Concrete Institute (ICI)



UltraTech Cement Limited

What is Whitetopping?

Whitetopping is nothing but placement of a layer of Portland cement concrete over an existing distressed asphalt pavement. It can be divided into two types depending on the bonding mechanism with the asphalt substrate, i.e. Unbonded and Bonded. Unbonded or conventional whitetopping uses concrete thicknesses of 200 mm or more, whereas bonded whitetopping uses thicknesses of 50 mm to 200 mm and is divided into two types, i.e. thin and ultrathin. The bond is made by texturing the asphalt. Thin whitetopping uses a bonded layer of concrete that is more than 100 mm thick, while an ultrathin layer is 50-100 mm thick. Ultrathin whitetopping is suitable for light duty uses, such as roads with low traffic volume, parking lots and small airports. Fiber reinforced concrete is used in some thin whitetopping overlays and almost all ultrathin whitetopping overlays.



Distresses like rutting and cracking, which are predominant in case of asphalt pavements can be avoided with help of whitetopping. Some other advantages include lower maintenance, lower life cycle cost compared to asphalt overlays. Also as concrete is relatively light in colour, it absorbs less heat and reduces the urban heat island effect.

About the Workshop:

Rehabilitating existing deteriorated asphalt pavements through whitetopping can be considered as a sustainable measure for pavements subjected to higher contact stresses and repeated failure under permanent deformation. This workshop is aimed at introducing the whitetopping technology to various stake holders of road infrastructure development in the country through a series of invited lectures by speakers from eminent institutes on benefits of whitetopping, structural analysis & design, concrete technology and construction aspects for whitetopping. The workshop is organised by the School of Infrastructure, IIT Bhubaneswar, jointly with Indian Concrete Institute (ICI), Bhubaneswar chapter and Ultratech Cement Limited.

Themes/ Lectures:

Lectures on the following topics will be delivered in the workshop:

- Introduction to Whitetopping
- Guidelines for Conventional and Thin Whitetopping (IRC:SP:76- 2015)
- Structural Analysis of Pavements with Whitetopping
- Conventional and Self Compacting Concrete for Whitetopping Applications
- Execution of Whitetopping projects with help of a case study

Resource Persons:

Experts from IIT Bhubaneswar, IIT Kharagpur and Industry will deliver invited lectures in the workshop.

Who Can Attend?

- Students at all levels (B.Tech./M.Tech./Ph.D.) and faculty members from different academic and technical institutions
- Executives, engineers and researchers from different service and government organizations including R&D laboratories

Venue:

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

Coordinators:

Dr. Dinakar Pasla

Associate Professor
School of Infrastructure
IIT Bhubaneswar
Argul, Khurda, Odisha-752050
Email: pdinakar@iitbbs.ac.in
Ph: 0674-7136610, 9556297825 (m)

Dr. Umesh Chandra Sahoo

Assistant Professor
School of Infrastructure
IIT Bhubaneswar
Argul, Khurda, Odisha-752050
Email: ucsahoo@iitbbs.ac.in
Ph: 0674-7136640, 9777249908

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