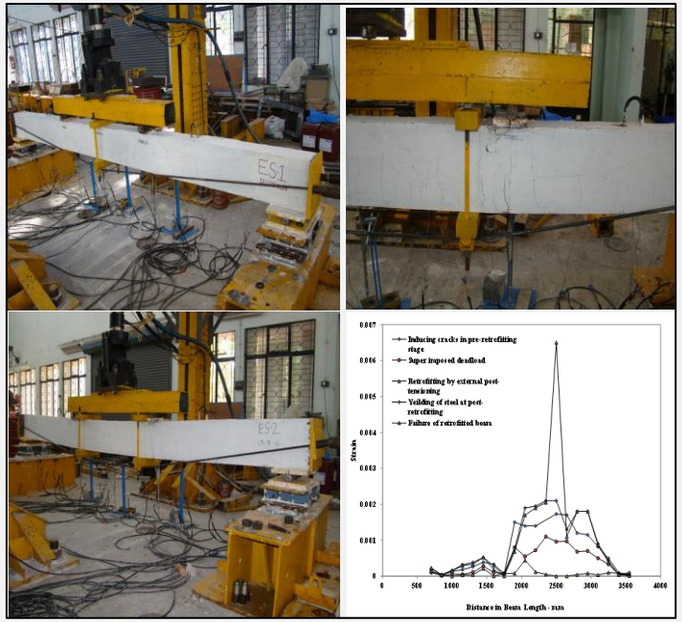
Online Advanced Course on

External post-tensioning for strengthening of RC members with limited Distress

(EPSRM 2022)

15-16 March 2022
(Time: 10.00 am to 05.00 pm)



Organised by
CSIR-Structural Engineering Research Centre
CSIR Campus, Taramani,
Chennai – 600 113, India

Course contents

The course has been planned to provide knowledge to the civil, structural, and bridge engineers on the distress diagnosis, and strengthening of RC members using external post-tensioning.

Background

RC members are widely used in various types of structures including bridges. They are distressed due to ageing, corrosion of reinforcement, and increasing of live load. These distresses reduce the load carrying capacity and stiffness of the members and that of the structure. They are being observed through NDT techniques, condition assessment of structures, and durability aspects of concrete and steel. In addition, performance evaluation of existing structures and bridges reveals that early noticing of distress and strengthening would enhance the life, and safeguard the structures from sudden collapse. External post-tensioning or external prestressing is an important technique, which is being applied for strengthening of existing RC structures including bridges successfully. However, the behaviour of such structures after strengthening is not understood in detail, and therefore the same needs to be discussed.

CSIR-SERC

CSIR-Structural Engineering Research Centre (CSIR-SERC), Chennai, Tamil Nadu, India, is a national laboratory on Structural Engineering, functioning under CSIR. CSIR-SERC has state of art test facilities to perform advance research on seismic resistant structures, wind engineering, repair and retrofitting of structures, fatigue and fracture behaviour, transmission line towers, structural health monitoring of bridges and NDT techniques.

Objectives

The course is intended to disseminate knowledge on recent developments in full scale testing, performance evaluation, durability aspects, distress diagnosis, and strengthening of distressed RC members by external post-tensioning.

Fees

Rs. 1000/- per participant inclusive of GST for Indian participants and $25 for foreign delegates. Participation certificates shall be provided to all the registered participants. The brochure and details of the course can be downloaded from the CSIR-SERC website https://serc.res.in/

Registration

Course registration can be completed through online by using the following link:
(http://forms.serc.res.in/view.php?id=33087).

Please select the indented course, fill all the particulars and pay the registration fee by clicking the **SBI collect** in the registration form.

Requirements for the online mode

Desktop/Laptop/smartphone with good internet speed and sufficient data pack. A web link will be sent to the registered participants for joining the course.

For further details, please contact

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