

Join the Webinar on  
**Retrofitting Techniques for Transmission Line Towers using  
Composite GFRP Angle Sections**  
13<sup>th</sup> September 2023 @ 3.30 to 5.00 pm

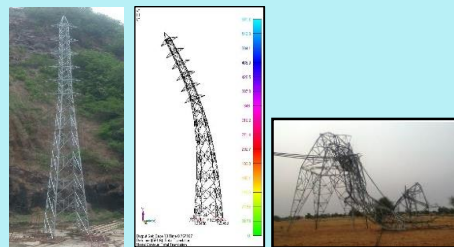
CSIR-SERC invites you to join the free webinar to understand the concepts of strengthening of transmission line (TL) towers using composite GFRP angle sections. The TL towers need to be strengthened, since the aging of these existing TL towers. Further, due to revision of wind zone map in Indian Standards, the wind zones of existing TL towers need to be upgraded to next higher zone level. Thus, the existing TL towers need to be qualified for increased wind load due to wind zone map revision. In view of this, the existing members in TL towers are over stressed, which leads to failure of TL towers resulting in power interruption accompanied by economic loss. In this context, the goal of this free webinar organized by CSIR-SERC is to create digital forum for students, academicians and industry partners can be made aware of the research and development activities carried out at CSIR-SERC towards retrofitting / strengthening techniques for TL using composite GFRP angle sections and their potential applications.

### Reasons to attend

- Explore different types of retrofitting / strengthening connection patterns for critical angle sections in transmission line towers
- Use of composite material such as GFRP angle sections for retrofitting / strengthening of lattice towers

### Session concept

- Overview of prototype testing of TL towers
- Offline / Online retrofitting / strengthening techniques
- R&D work on retrofitting / strengthening with composites



### Speaker

**R. Balagopal,**

Principal Scientist

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CSIR-Structural Engineering Research Centre, Chennai.

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**Research Interests:** Analysis and design of power transmission line and communication towers and tower like structures, Structural upgradation and retrofitting techniques for existing lattice towers

**For any clarifications/queries**

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**Free Registration**

**Click Here**

