



**WEBINAR INVITATION**

**“ELECTRICAL INSULATION AND FLAME-RETARDANT PROPERTIES OF POLYMERS”**

**Date : 27.11.2020**

Central Power Research Institute (CPRI) was established by Government of India in the year 1960 with Head Quarters at Bangalore. The main objective of the Institute is to serve as a National laboratory for undertaking applied research in Electrical Power Engineering besides functioning as an independent National Testing and Certification Authority for electrical equipment.

The Cables laboratory of CPRI has full-fledged facilities in the areas of Testing & Evaluation of Power Cables and Accessories from 1.1 kV to 400 kV covering different type of cable insulation. The test facilities covers paper cables, PVC cables, Rubber cables & XLPE cables. as per National and International standards. The Cables laboratory has the unique test facility called Pre-Qualification test facility for ascertaining the long term reliability of the Cable system up to 220 kV. Insulation Laboratory is equipped with, in general, necessary instruments/apparatus/ equipment to test solid dielectric materials for physical, mechanical and electrical properties as per relevant National and International Standards.

Polymers are playing increasingly versatile roles in electrical insulation, medicine, electronics, aerospace, energy conservation, advanced structural engineering etc. The importance of polymer science and technology is expected to grow even further and so are the challenges that lie in controlling new molecular architecture.

This programme objective is to familiarise Engineers in understanding the material characterization, address the challenges in polymers, processing and their effective applications

The Programme covers the following topics

- Polymers for insulation and other applications – 10 AM to 11 AM
- Environmental impact on outdoor polymers – 11 AM to 12 NOON
- Fire, Heat and Toxic Smoke Assessment of Polymers– 2 PM to 3 PM
- Testing of Polymeric Insulating Materials – 3 PM to 4 PM

Sl. No	Institutions	Fee Per Person
1.	<b>State Power Utilities/Government Agencies</b>	
	<i>Up to 5 participants</i>	Rs. 1500 /- + 18 % GST
	<i>5 – 15 participants</i>	Rs. 1300 /- + 18 % GST
	<i>15 – 30 participants</i>	Rs. 1200 /- + 18 % GST
2.	<b>Private Sector Organizations</b>	
	<i>Up to 5 participants</i>	Rs. 2000 /- + 18 % GST
	<i>5 – 15 participants</i>	Rs. 1500 /- + 18 % GST
	<i>15 – 30 participants</i>	Rs. 1200 /- + 18 % GST
3.	<b>Students of Educational Institutions :</b> <i>Minimum 5 participants to 30 participants</i>	Rs. 500 /- + 18 % GST
4.	<b>Faculty Members of Educational Institutions :</b> <i>Minimum 5 participants to 30 participants</i>	Rs. 1000 /- + 18 % GST

This webinar is meant for faculty & Students from academic institutions, Scientist, Engineers, Power utilities, Consultants, Manufacturers of polymers, QA and QC personnel's, entrepreneurs.

**Registration :** Use the registration form enclosed and sends it along with the payment

**Webinar Co-ordinators :** **Dr. Moumita Naskar**, Scientific Officer Gr. 3  
**R.Arunjothi**, Joint Director  
**Ashitha P.N**, Scientific Officer Gr. 1

Email: [moumita@cpri.in](mailto:moumita@cpri.in) , [arunjothi@cpri.in](mailto:arunjothi@cpri.in) , [ashitha@cpri.in](mailto:ashitha@cpri.in)