



WEBINAR INVITATION

Partial Discharge Measurements on High Voltage Equipment

Date : 11.11.2020

Measurement of partial discharges(PD) is one of the important condition monitoring techniques for any high voltage equipment, as Partial discharges is a precursor for the degradation and failure of insulation. Early detection of PD will help to avoid such failures and to suggest suitable remedial measures. Partial discharges at insulation defects causes several macroscopic effects such as dielectric losses, high frequency current pulses, pressure waves, sound, light and chemical reactions. Several PD detection techniques have been developed based on the process associated with PD. However, Electrical PD detection method is the conventional and most widely employed method for almost all types of electrical equipment like, cables, instrument transformers, surge arrestors, insulators etc. IEC 60270 provides the general guidelines for measurement of partial discharges.

This programme objective is to familiarise Engineers in understanding the principle and significance of partial discharge measurements on various equipment as per the relevant national and international specifications. The tutorial is aimed at manufacturers, power utilities, state electric companies, agencies dealing with HV electrical equipment. Also, testing engineers, substation personnel, researchers from academia and faculty from universities, may attend the programme.

The Programme covers the following topics

- Significance of partial discharge measurement, sources of Partial discharges
Degradation of insulation due to PD in different HV electrical equipment
Partial discharges in power cable system & measuring techniques
- Sources of partial discharges in Instrument transformers/ surge Arrestors, bushings and their Measurement
- Partial discharge Testing of Generators & AC motors in service

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

This webinar is meant for engineers in the manufacturing plant of power cables, maintenance engineers in sub-station and power utilities and consulting engineers in the field of electrical installations.

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

Webinar Co-ordinators : **K.P.Meena**, Joint Director
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REGISTRATION FORM



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Webinar on
““Partial Discharge Measurement on High Voltage Equipment””
11th November 2020

Mr./Ms./Mrs./Dr. Others (please specify)_____

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