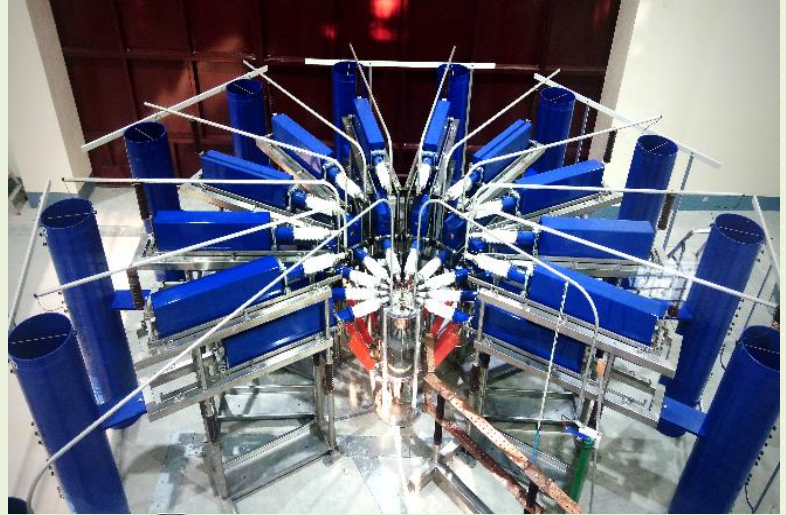


अर्ध दिवसीय वेबिनार  
"सर्ज अरेस्टरों का आवेग परीक्षण"

Half-day webinar on  
"Impulse Testing of Surge Arresters"

20 फरवरी 2025  
20 February 2025



उच्च वोल्टता प्रभाग  
High Voltage Division

केन्द्रीय विद्युत अनुसंधान संस्थान

**CENTRAL POWER RESEARCH INSTITUTE**

(भारत सरकार की सोसाइटी, विद्युत मंत्रालय / Govt. of India Society, Ministry of Power)

प्रो. सर सी वी रामन रोड, पो बा सं. 8066, सदाशिवनगर डाक घर

Prof. Sir C V Raman Road, P B No. 8066, Sadashivanagar Post Office

बेंगलूरु / Bengaluru – 560 080. [www.cpri.res.in](http://www.cpri.res.in)

**समन्वयक / Co-ordinators**

|   |   |   |
|---|---|---|
| Shri. G. Pandian<br>Joint Director & HoD,<br>9741836174, <a href="mailto:gpandian@cpri.in">gpandian@cpri.in</a>                     | Shri. Prabhakar C<br>Joint Director,<br>9845152154, <a href="mailto:prabhakar@cpri.in">prabhakar@cpri.in</a>          | Shri. Jithin Pauly P.<br>Engineering Officer Grade 3,<br>8861556520, <a href="mailto:jithin@cpri.in">jithin@cpri.in</a> |
| <b>For any queries, Please Contact</b>  |   |   |
| Shri. B. V. Nagachandra<br>Engineering Officer Grade 2,<br>8367330572, <a href="mailto:nagachandra@cpri.in">nagachandra@cpri.in</a> | Shri. U. Bhavani Prasad<br>Engineering Assistant,<br>9182502096, <a href="mailto:prasadb@cpri.in">prasadb@cpri.in</a> |   |

## ABOUT THE WEBINAR

Surge arrester is an important component in power system used for over voltage protection. This protects equipment from lightning and switching over voltages due to lightning and switching operation. Different types of arresters were in use and recent trend is to use gapless metal oxide surge arresters in most of the cases. The testing of surge arresters before installation at site is very important for their successful operation at site. These surge arresters undergo various Routine, Acceptance and Type tests as per the National / International Standards. The Type tests, which validate the basic design of arrester elements and assembly, are carried out in a third party independent testing laboratory. The quality of assembly part of manufacturing process is checked through routine tests carried out on every assembled arrester in the factory. The acceptance tests are carried out on a predetermined number of samples either in the manufacturing premises or in a third party laboratory. As these tests prove the basic design and quality of assembled product, It is very important that the engineers witnessing either the Routine / Acceptance test at manufacturer premises or Type tests at third party laboratory shall have a good knowledge and understanding of the various tests to be conducted, and the interpretation of test results. A practical exposure of the witnessing engineers to various tests that are conducted in third party laboratory on surge arrester blocks and assembled arresters is essential. In addition, the witnessing engineers shall also have an understanding of the equipment required for testing, its accuracy, and calibration requirements etc. in order to witness the tests more authoritatively and interpreting the test results more confidently. A Knowledge of basics of surge arresters and the generation, measurement and calibration of impulse currents will aid the witness engineer to enhance the knowledge.

Realizing its importance, CPRI is organizing a half-day webinar on “High Voltage Testing of Surge Arresters” On 20<sup>th</sup> February 2025.

The webinar will expose the participants to various topics related to the surge arresters.

### TOPICS COVERED:

- Basics of metal oxide arrester
- High Voltage Testing of arresters
- Virtual Tour of Impulse Current Lab

### Who should attend?

This webinar is designed for utility engineers, manufactures, researchers, consultants, system integrators and academia and those who are interested in the topics mentioned above. As the seats are limited, registration will be on first cum first serve basis.

### Program Schedule

The webinar will be held on **20 February 2025 from 10:00 AM to 01:00 PM**. The details of the program schedule will be shared to all registered participants. Online registration link: <https://forms.gle/ZZ6iPx1nTHhCHRGp9>

### Registration Fees and Discounts

Prior registration is mandatory for participating in this programme.

| Sl No | Institutions                                       | Fee per person (in Rs.)* |
|-------|--|--------------------------|
| 1     | <b>State Power Utilities / Government agencies</b> |                          |
|       | Up to 5 participant                                | 885                      |
|       | 6 to 10 participants                               | 767                      |
|       | 11 and above                                       | 708                      |
| 2     | <b>Private Sector Organizations</b>                |                          |
|       | Up to 5 participant                                | 1180                     |
|       | 6 to 10 participants                               | 885                      |
|       | 11 and above                                       | 708                      |
| 3     | <b>Students of educational institutions</b>        | 590                      |
| 4     | <b>Faculty Members of educational institutions</b> | 590                      |
| 5     | <b>Foreign delegates (Equivalent US\$)</b>         | 1770                     |

\* Registration fees includes GST and participation certificate.

### Payment Method

Registration fee is accepted only by online payment mode through CPRI web portal, the link for making payment is <https://payment.cpri.res.in/pmt/pmt030.php>

Please Note: On this payment portal, please fill in all the mandatory fields.

1. Unit: Select - Central Power Research Institute, Bengaluru –CRTL,
2. Division: Select - HIGH VOLTAGE DIVISION,
3. Purpose of Payment: Select - Seminar/Webinar/Training