

# केबलटेक 2024 CABLETECH 2024

विद्युत केबलों पर 12वां अंतर्राष्ट्रीय सम्मेलन  
12<sup>th</sup> INTERNATIONAL CONFERENCE ON POWER CABLES

13 - 14 जून 2024

13 - 14 June 2024



आयोजक / *Organized by*  
केन्द्रीय विद्युत अनुसंधान संस्थान  
CENTRAL POWER RESEARCH INSTITUTE  
बेंगलूरु, भारत / BENGALURU, INDIA (BHARAT)  
[www.cpri.res.in](http://www.cpri.res.in)

सम्मेलन वेबसाइट / Conference website: <https://www.cabletech2024.in>



## ABOUT CPRI

Central Power Research Institute (CPRI) is the power house of the Indian electrical industry. Set up in 1960 by the Government of India, it functions as a centre for applied research in electrical power engineering assisting the electrical industry in product development and quality assurance. CPRI also serves as an independent authority for testing and certification of power equipment of specialization.

## CONFERENCE

Due to rising power demands and the challenges posed by Right of Way issues with high voltage overhead lines, the installation of underground power cables is gaining prominence in the electric transmission and distribution sector. As cable accessories form the most critical component of the system, their design and installation procedures play an important part in the reliability of cable systems in service. Further, the need for high current transmission across long lengths demands the requirement of HVDC cables and their accessories. The development of nano dielectrics for the development of HVDC insulation, to limit the space charge issues in connection with DC XLPE Cables is also gaining momentum. In addition, utilities face a lot of challenges in connection with condition monitoring of the cable system in service. With advancements in technology, new measurement techniques and computerized analytical techniques are in place for better maintenance of power cable systems. This 12<sup>th</sup> CABLETECH Conference is proposed to provide an overview of all the elements that are of interest, for a safe and reliable cable transmission and distribution system with special attention to newer materials. The conferences will have plenary and technical sessions. Since 1983, CABLETECH has brought together engineers, scientists, manufacturers, and regulators from around the globe to get an insight into the latest state-of-the-art technology. The conference will also provide a common platform for stakeholders to network and exchange ideas for new developments. Bengaluru, the Garden City of India is an attractive destination for tourists and professionals alike for its global IT fame and location of research centers of many global entities and surrounded by historic and natural beauty spots.

## CALL FOR PAPERS

The conference will cover recent trends in design, development, and installation techniques for power cable systems, the latest innovations in the field of diagnostics, and newer materials. Key areas of interest are:

- New developments in materials and manufacturing process
- HVDC cables, space charge issues
- Nano Dielectrics & HVDC cable insulation
- Power cable evaluation techniques
- Power cable maintenance practices
- Innovations in power cable maintenance strategies
- Improved methods of installation of power cables
- Developments in power cable accessories
- Condition monitoring of power cable systems
- New design techniques for power cables and system
- Machine Learning Techniques for solving power cable issues
- FR, FRLS and Halogen free sheathing materials & their impact
- Fire and Smoke parameters of power cables
- Simulation and Computational aspects of power cables

## WHO SHOULD ATTEND

Engineers from power utilities, academic institutions, manufacturers of power cables and accessories, operation and maintenance engineers/professionals, consultants, and manufacturers of test and measuring instruments.

## PAPER SUBMISSION GUIDELINES

Prospective authors are requested to submit a digest, no longer than six pages as per the conference paper format available at [www.cabletech2024.in](http://www.cabletech2024.in). The digests must clearly state the objectives of the work, its significance in advancing engineering or science, methods, and specific results in sufficient detail. Accepted and presented papers will be included in the conference e-proceedings. Presented manuscripts will be submitted for possible publication in the CPRI Journal. Full papers in *MS Word format as well as in PDF format* may be sent to Conference Secretariat Email: [cabletech2024@gmail.com](mailto:cabletech2024@gmail.com)

## IMPORTANT DATES/ DEADLINES

Call for paper	:	1 <sup>st</sup> September 2023
Last date for paper submission	:	15 <sup>th</sup> December 2023
Notification of acceptance	:	15 <sup>th</sup> January 2024
Last date for submission of camera ready format	:	7 <sup>th</sup> February 2024
Registration starts	:	15 <sup>th</sup> February 2024
Conference Dates	:	13 <sup>th</sup> & 14 <sup>th</sup> June 2024

**VENUE:** S J. Auditorium, CPRI, Bengaluru

## REGISTRATION

The prospective participants, desirous of attending the conference may register by sending their details to CPRI along with necessary payment. Use the enclosed registration form and send it along with the payment. The conference time will be 9.00 AM to 5.30 PM. The registration will start at 8.00 AM on 13<sup>th</sup> June 2024. The registration fee shall cover the conference kit, copy of conference proceedings, tea/coffee/lunch during the conference.

The registration fee for attending the Conference is given below:

National delegate	Rs. 10000/- + 18 % GST
Foreign delegate	US \$ 250 + 18 % GST

The concessional rates offered to utilities/electricity boards/educational institutions for the Conference are:

SI.No	Institutions	Discounted Fee Per Delegate
1	Faculty Members of Educational Institutions	Rs. 7000/- + 18 % GST
2	Students of Educational Institutions	Rs. 5000/- + 18 % GST
3	Group discount for Institution /Organisation/ Private Sector for nomination of a) Minimum 3 participants b) Minimum 4 or more participants	Rs. 9000/- + 18 % GST Rs. 8000/- + 18 % GST
4	State Government/Central Government/ Public Sector /Power Sector Utilities	Rs. 7000/- + 18 % GST

## MODE OF PAYMENT

The conference fees are to be paid in advance through ON-LINE mode with the following link.  
Online link: [https://cpri.res.in/online-testing/pay\\_online](https://cpri.res.in/online-testing/pay_online)

## SPONSORSHIP OPPORTUNITIES

We invite stakeholders to enhance their business opportunities by way of sponsorship.

### Details of Sponsorship and Privileges

Category / Type	Amount, (Rs.)	Privileges		
		Free delegates	Name/Logo	Advertisement pages in E- proceedings*
Platinum	5,00,000/-	10	Conference Venue, Conference website, Conference kit	1
Gold	2,50,000/-	5	Conference Venue, Conference website, Conference kit	1
Silver	1,00,000/-	2	Conference Venue, Conference website, Conference kit,	1

*\*to be provided by the sponsors well in advance*

## CONFERENCE COMMITTEES

### Patron

Shri. B.A Sawale, Director General, CPRI

### Conference Chair

Dr. P Thomas, Additional Director, CPRI, Bengaluru

### Program Organising Chairs

Smt. K.P. Meena, Additional Director, CPRI Bengaluru

Smt. R. Arunjothi, Joint Director, CPRI, Bengaluru

### Advisory Committee

Shri. A. K. Rajput, Member (Power systems), CEA	Smt. Vandana Singhal, CEA
Prof. Sivaji Chakravorti, Jadavpur University, Kolkata	Prof. Vutukuru Vasudeva Rao, IIT Kharagpur, ( Retired)
Prof. Joy Thomas, IISc, Bengaluru	Prof. C. C. Reddy, IIT Ropar, Rupnagar
Prof. L. Satish, IISc, Bengaluru	Dr. Abhay Singh Gour, IIT Kharagpur
Prof. Udayakumar, IISc, Bengaluru,	Prof. B. Subba Reddy, IISc, Bengaluru
Shri. S. Sudhakara Reddy, CRTL, CPRI, Bengaluru	Shri. G.R. Viswanath, CRTL, CPRI, Bengaluru
Dr. T. Bhavani Shanker, CRTL, CPRI, Bengaluru	Shri. R. Sudhir Kumar, CRTL, CPRI, Bengaluru
Dr. M.G. Ananda Kumar, CRTL, CPRI, Bengaluru	Shri. G. Pandian, CRTL, CPRI, Bengaluru
Shri. N. Rajkumar, CRTL, CPRI, Bengaluru	Shri. C.S. Muralikrishna, CRTL, CPRI, Bengaluru

### Technical Committee

Smt. K.P. Meena, CRTL, CPRI, Bengaluru	Smt. R. Arunjothi, CRTL, CPRI, Bengaluru
Shri. Manoj Kumar Jaiswal, RTL, CPRI, Noida	Dr. Neha Adhikari, RTL, CPRI, Noida
Dr. Tulika Bhattacharjee, CRTL, CPRI, Bengaluru	Shri. V. Vaidhyanathan, CRTL, CPRI, Bengaluru
Prof. V. Gowri Sree, Anna University, Chennai	Shri. Mohammad Israfil, BIS, New Delhi
Shri. Anil Kumar, Polycab India Ltd., Mumbai	Shri. Yogendra S Tiwari, Universal Cables Ltd, Satna
Shri. Pranav Vasani, Finolex J power Systems Ltd., Pune	Shri. Ajay Garg, KEI Industries Ltd., Bhiwadi
Shri. Ajay Mishra , LS Cable India, Rewari	Shri. Sanjay Jha, 3M India Ltd., Bengaluru
Shri. Shakti Shukla , Apar Industries Ltd, Valsad	Shri. Vivek Arora, IEEMA, Cables Division
Smt. Rajani Pande, KEC International Limited, Vadodara	Shri. Manoj Saxena, Havells India Ltd.,
Shri. Altaf Ahmed, Riyad Cables group, Sharjah	Shri. Ashok Saigal, Frontier Technologies Pvt. Ltd.,
Dr. D. Harimurugan, Dr. B.R. Ambedkar National Institute of Technology, Jalandhar	Dr. S.K. Pahuja, Dr. B.R. Ambedkar National Institute of Technology, Jalandhar

### Organizing Committee

Smt. K.P. Meena, CRTL, CPRI, Bengaluru	Smt. R. Arunjothi, CRTL, CPRI, Bengaluru
Shri. Thirumurthy, CRTL, CPRI, Bengaluru	Shri. P.V. Satheesh Kumar, CRTL, CPRI, Bengaluru
Shri. Dillip Kumar Puan, CRTL, CPRI, Bengaluru	Shri. G.K. Raja, CRTL, CPRI, Bengaluru
Smt. P.N. Ashitha, CRTL, CPRI, Bengaluru	Shri. Rajat Sharma, CRTL, CPRI, Bengaluru
Smt. M.U. Shaileshwari, CRTL, CPRI, Bengaluru	Shri. Arka Chakraborty, CRTL, CPRI, Bengaluru

### Contact Details

Smt. K.P. Meena	Additional Director	+91 9731551059	meena@cpri.in
Smt. R. Arunjothi	Joint Director	+91 9481472576	arunjothi@cpri.in

Cables & Diagnostics Division

CENTRAL POWER RESEARCH INSTITUTE

(An Autonomous Society, Government of India, Ministry of Power)

Prof. Sir C.V. Raman Road, P.O. Box No. 8066, Sadashiva Nagar P.O.,

Bengaluru - 560 080 India (Bharat)