

National Conference on Best Practices for Underground EHV Power Cables

(Under the aegis of CIGRE NSC B1 on Insulated Cables)

Date: 18th – 19th July 2024

Venue: CBIP Conference hall, New Delhi



Organized by



Central Board of Irrigation & Power



CIGRE-India

Supported by



Central Electricity Authority

GENERAL

Cables and accessories play a crucial role in the functioning of power systems. Cable is the backbone of a power transmission that ensures the safe and efficient transmission of electricity from one point to another.

One of the key importance of cables and accessories is safety. These components are designed to handle high levels of current without overheating or causing electrical hazards. By using quality cables and accessories, the risk of short circuits, fires, and other electrical accidents can be significantly reduced.

Underground power cables are widely in use due to high reliability and environmental concerns. The trend of transmission line construction from overhead to underground is increasing in urban area even though the underground system costs more for initial construction. However, the underground system requires faster detection and correction of accidental faults for more reliable service. To improve the reliability of a power system, accurate identification and isolation of a faulted segment is required in order to reduce the interruption time. Deriving an efficient technique to locate a fault and restoration in quickest manner would improve the overall system reliability.

The conference will allow in-depth analysis of the State-of-the-Art and future perspectives: new materials, evolution on technologies, maintenance policies and remaining life estimation, standardization, field of record, better knowledge of dielectric phenomena, thermal and thermo-mechanical behaviour, digital simulation, testing methods, diagnosis, new innovative solutions for high power transmission, new applications at different levels of voltages.

PROGRAMME PROFILE

The following themes have been identified for discussions during the conference:

1. Issues with overhead power transmission system.
2. Overhead power transmission vs underground EHV power cables & Emerging technologies/new challenges.
3. Designing underground EHV power cables.
 - (i) LV, MV, HV and UHV cables and accessories design aspects.
 - (ii) New materials for AC and DC cable systems; advances in modelling.
 - (iii) Underground cable standardization , laying schedules, Diagnosis, monitoring, testing methods & commissioning.
 - (iv) Maintenance, fault location, repair methods - best practices.
 - (v) Life cycle and environmental impacts, like recycling, economical aspects
4. Ageing, remaining life estimation.

DATES AND VENUE

The Conference will be held on 18th – 19th July 2024, CBIP Conference hall, New Delhi

The conference timing will be 9.30 am to 5.00 pm..

WHO SHOULD ATTEND

Engineers from power utilities (Hydro, Thermal, Solar & Wind), academic institutions, manufacturers of power cables and accessories, O&M engineers/professionals, consultants, and manufacturers of test and measuring instruments.

PRESENTATIONS BY EXPERTS

Eminent experts from CEA, POWERGRID and leading manufacturing Industries, maintenance utilities etc. are being invited to deliver expert lectures during the Conference However, Experts who desires to make presentations/case studies on the above subject are requested to furnish the write-ups to reach CBIP office latest by 30th June 2024.

REGISTRATION FEE

Registration Fees is Rs. 12,100/- per participant.

Special Discounted Registration fee for CBIP/CIGRE members is Rs. 10,100/- per participant.

GST @ 18% shall be charged extra. GST No. 07AAAJC0237F1ZU

The Registration fee covers the registration kit, tea/coffee/lunch during the conference. The Conference is non-residential. Participants will have to make their own arrangement for travel, boarding and lodging, etc. All payments be made through DD/ cheque at par in favour of 'Central Board of Irrigation & Power', payable at Delhi or amount deposited/ transferred to CBIP A/c no. 00031110004411, MICR No. 110240001, HDFC Bank, Swift Code : HDFCINBBDEL, IFSC: HDFC 0000003, Address: 209-214, Kailash Building, 26 Kasturba Gandhi Marg, New Delhi – 110001

SPONSORSHIP OPPORTUNITY

The Conference provides an effective opportunity for sponsoring companies to promote their products/services to a focused audience, besides networking with engineers of utility, manufacturers and academic institutions during tea/coffee and lunch intervals. Sponsors are assured of full visibility with printing of their names on proceedings, banners and other publicity material related to Conference and will have the privilege of distribution of their product's pamphlets/catalogues during the Conference. Sponsors will also have the privilege of sending delegates exempted from payment of registration fee as indicated hereunder:

Category of Sponsorship	Fee in Rs.	Privileges
Platinum Sponsor	5,00,000	<ul style="list-style-type: none">• Display of Logo on Main banner & other publicity material• Free Delegates in the Conference (10 Nos.)• Table space for display of services at the venue
Gold Sponsor	3,00,000	<ul style="list-style-type: none">• Display of Logo on Main banner & other publicity material• Free Delegates in the Conference (06 Nos.)• Table space for display of services at the venue
Silver Sponsor	2,00,000	<ul style="list-style-type: none">• Display of Logo on Main banner & other publicity material• Free Delegates in the Conference (03 Nos.)

For further details, please contact the Conference Secretariat.

CONFERENCE SECRETARIAT

Shri A.K. Dinkar, *Secretary*, CBIP

Shri Sanjeev Singh, *Director (E)*, CBIP

Shri A. K. Srivastava, *Advisor (E)*, CBIP

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National Conference on
BEST PRACTICES FOR UNDERGROUND
EHV POWER CABLES

18th – 19th July 2024

CBIP Conference Hall, New Delhi

REGISTRATION FORM

(To be filled in block letters preferably)

Delegate _____

(Surname)

(First Name)

Designation _____

Name of Organisation _____

Mailing Address _____

City _____

State _____ PIN _____

Phone _____ Fax _____

E-mail _____

Dated _____

Signature _____

CONFERENCE SECRETARIAT

Shri A.K. Dinkar

Secretary

Central Board of Irrigation and Power

Malcha Marg, Chanakyapuri, New Delhi 110 021, India

Tel : 91-11-26115984/26116567 Fax: 91-11-26116347

Registration Form, duly filled in, is to be mailed to the following address:

Contact Person : Shri S.K. Batra, Consultant (Tech.), M: 9811943812

Email : batra@cbip.org; Web-site: <http://www.cbip.org>

Note:

- Photocopies of the registration form can be used for additional requirements, if any.
- Spot registration facilities will also be available, provided the prior information is received.