

**5<sup>th</sup> National Conference**  
**Innovations & Best Practices in Design, Construction,**  
**O&M and Environmental Considerations for**  
**EHV & UHV Transmission Lines**

(Under the aegis of CIGRE NSC B2 on Overhead Lines & C3 on  
System Environmental Performance)

**22 - 23 June 2017**  
**CBIP Conference Hall, New Delhi**



Anish Anand  
Chairman CIGRE NSC C3  
GM, POWERGRID



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Chairman CIGRE NSC B2  
Ex. GM, POWERGRID

*Organized by*



**Central Board of Irrigation & Power**



**CIGRE India**

## OBJECTIVE

Indian economy is expected to lead the 21st century global economy and electricity is a key input for overall growth. In this endeavour, availability of uninterrupted quality power supply at affordable price while meeting the environmental norms is a challenge. Government of India is committed to ensure 24 X 7 supply of power to all by 2019. To meet the estimated fivefold increase in electricity demand (500 GW) over next two decades, Government has made out ambitious targets to increase generation capacities. More than 70% of present electricity demand is met through fossil fuels.

Government is giving tremendous impetus to the increased energy contribution from renewable resources. With the 320 GW of installed generation capacity, present penetration of renewable capacity is about 13%, which is expected to reach to about 30% by 2030. Increasing penetration of highly intermittent & variable renewable energy sources as well as decentralized distributed generation (DDG) presents various challenges in its grid integration.

Energy resources and load centers are wide spread across the country and mostly located away from each other. Considering the gigantic capacity addition plans with both conventional as well as renewable generations, and to ensure delivery of most perishable commodity to the end consumers, development of exhaustive high capacity as well as flexible transmission & distribution system along with sophisticated sensing, monitoring and control systems are essential to address various issues.

Towards this, latest technological development in the field of transmission, distribution, intelligent devices, information and communication technology, high speed computing, visualization etc. can play a vital role. New technologies in the form of WAMs, FACTs, VSC based converters, High Temperature Super Conductor Line, fault current limiter, O&M techniques, distribution, dynamic reactive compensation, flexible resources including energy storage, Advanced Metering Infrastructure, Demand side management/demand response, and other Smart Grid functionalities etc. are being progressively adopted throughout the power supply value chain and further new technologies need to be continuously explored in this endeavour.

Keeping in view the importance of the subject and to disseminate the development being taken in the recent past by the various organization on the Power Transmission technology the Central Board of Irrigation & Power and CIGRE India are jointly organizing this 5<sup>th</sup> National Conference on 'Innovations & Best Practices in Design, Construction, O&M and Environmental Considerations for EHV & UHV Transmission Lines' on 22-23 June 2017 at CBIP Conference Hall, New Delhi.

## TOPICS

Following broad topics are identified for discussions during the conference :

- Design, Construction, O&M of transmission lines
- Uprating & Upgrading of Lines; Optimal use of right of way
- New Generation Conductors
- Conversion of AC to DC
- Fault Finding in EHV Lines
- State-of-the-Art Construction Technology in Transmission
- Overhead Transmission Lines (OHL) Network: State-of-the-art, future development plans,
- Smart Grid in transmission; Wide Area Monitoring and protection systems
- Demand Side Integration
- Emerging Technologies in VSC/FACTS
- Market Management System (MMS)
- Electricity and Communication Infrastructure
- Super conductor line, Gas Insulated line
- State-of-the-Art Control and Protection Technologies in Transmission
- SF6 Filled Transformers/other New Technologies
- Short Circuit Current Limiter; Optical CT/PT
- Robotic technology in transmission/ distribution line maintenance under live condition
- Transformer, reactor health monitoring
- Dynamic Load Monitoring
- Overhead lines and information technology



- Experiences leading to improvements of overhead lines
- Technical and environmental aspects of overhead lines
- Case Studies & Misc. Issues

**Experts who desire to submit case studies or present paper on above topics or any other related topic are welcome to submit the same by 10<sup>th</sup> June 2017.**

## **DATES AND VENUE**

The Conference will be held on 22-23 June 2017 (Thursday, Friday) at the CBIP Conference Hall, Malcha Marg, Chanakyapuri, New Delhi 110021. The Conference timings will be 10.00 AM to 5.30 PM. The registration will start at 9.30 AM on 22<sup>nd</sup> June 2017.

## **WHO SHOULD ATTEND?**

The Conference will be of special interest to the Professionals and Stakeholders from Central Govt. / State Govt. /SEBs, Power Utilities/Corporations, Regulators, Researchers/Academicians, Manufacturers, Planners, Operators, Consultants, Electrical Contractors, etc.

## **REGISTRATION FEE**

Registration fee for the delegates is as follows:

- Rs. 12,000/- per participant.
- Discounted Fee for the CBIP and CIGRE members will be Rs. 10,000/- per participant.

### **Service Tax 14%, Swachh Bharat Cess @ 0.5% & Krishnia Kalyan Cess 0.5% extra**

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:

<b>Category of Sponsorship</b>	<b>Fee in Rs.</b>	<b>Privileges</b>
<b>Platinum Sponsor</b>	3,00,000	<ul style="list-style-type: none"> <li>• Display of Logo on Main banner &amp; other publicity material</li> <li>• Free Delegates in the conference (10 Nos.)</li> <li>• Free editorial in the proceedings (2 pages)</li> <li>• Advertisement on Back Cover of Proceedings</li> <li>• Table space for display of services at the venue</li> </ul>
<b>Gold Sponsor</b>	2,00,000	<ul style="list-style-type: none"> <li>• Display of Logo on Main banner &amp; other publicity material</li> <li>• Free Delegates in the conference (06 Nos.)</li> <li>• Free editorial in the proceedings (1 page)</li> <li>• Advertisement in side Back Cover of Proceedings</li> <li>• Table space for display of services at the venue</li> </ul>
<b>Silver Sponsor</b>	1,00,000	<ul style="list-style-type: none"> <li>• Display of Logo on Main banner &amp; other publicity material</li> <li>• Free Delegates in the conference (03 Nos.)</li> <li>• Advertisement in side Proceedings</li> </ul>

For further details, please contact the Conference Secretariat.

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**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 V.K. Kanjlia**

*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, Chief Manager (Tech.), M: 9811943812

Email : batra@cbip.org; cbip.batra@yahoo.com; 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.