Central Board of Irrigation & Power

Information Bulletin

Conference on

Power Sector Development – Modern Trends & Innovations at International Level

(Conference being held prior to CIGRE Session 2018, world level event at Paris)

26-27 July 2018

Venue : Scope Convention Centre, Core 8, SCOPE Complex, Lodhi Road, New Delhi

Special Attraction

- Great Opportunity to accentuate knowledge and also to have a feel of discussions similar to CIGRE Session 2018, at Paris

Topics to be Discussed

- Rotating Electrical Machines
- Transformers
- High Voltage Equipment
- Insulated Cables
- Overhead Lines
- Substations
- HVDC and Power Electronics
- Protection and Automation
- System Development and Economics
- System Operation & Control
- System Environmental Performance
- System Technical Performance
- Electricity Markets & Regulation
- Distribution Systems and Dispersed Generation
- Materials and Emerging Test Techniques
- Information Systems & Telecommunication

Technical Exhibition

- A Technical Exhibition show casing Innovations & New technologies from power industry run in parallel to the Technical Sessions

Governing Body of CIGRE-India

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Secretary, CBIP

Dignitaries during Opening Session of last Pre-CIGRE Conference in 2016

ABOUT CIGRE

The International Council on Large Electric Systems, known as 'CIGRE' Headquartered at Paris, is a world renowned organization dedicated to constant improvement of power system technologies. The objective of CIGRE is to facilitate and promote the dissemination of technical knowledge and information on all the main themes of the field of electricity amongst 90 Member countries including India. CIGRE functions through its 16 Study Committees constituted for in-depth research and progress in specific areas of power system domain at international level. It is a matter of pride that India is represented in all the sixteen (16) CIGRE Study Committees. In addition, some more experts from India are members of the Working Groups/Task Forces formed by these Study Committees.

CIGRE organises its sessions every even year in Paris. The Technical Discussions/Meetings held during the Conference deliberate the technical papers presented in the parallel sessions in details for five days at Paris. The next (46th) session of CIGRE is going to be held at Paris on 26-31 August 2018. About 5000 delegates from all over the world attend the session and about 500 technical papers, including twenty-two (22) from India linked to the most up-to-date technical themes in the world of electricity, are going to be presented in the session at Paris in 2018.

There were more than 100 participants from India in the last Session held at Paris in 2016 and we are expecting about 150 participants this year from Central, State and Private sector utilities, Regulatory Commissions and other organizations from India to participate.

The Committee for CIGRE-India, an affiliate of Central Board of Irrigation & Power, is the Indian Committee of CIGRE and co-ordinates the activities of CIGRE in India.

INVITATION

The Committee for CIGRE-India, an affiliate of CBIP and National Committee to the International Council on Large Electric System extends a hearty welcome to the participants on the two days Conference on "Power Sector Development – Modern Trends & Innovations at International Level" scheduled on 26-27 July 2018. This is pre-CIGRE session event normally held by CIGRE-India and CBIP after every two years.

AIMS & OBJECTIVES

The Committee for CIGRE-India in its capacity as National Committee for CIGRE is organising CIGRE-India session about one month before the CIGRE session 2018 being held in Paris on 26-31 August 2018 with the following aims & Objectives:

- To share experience and update the knowledge on Technological Developments & Innovations in Power System in the country.
- To have the input and considered opinion from the experts within the country on the various topics indicated in the bulletin as well as on technical papers being presented at CIGRE session 2018 in Paris.
- To propose replies on various questions put up by special reporters of technical session of CIGRE Session at Paris which could be raised and discussed with the international experts during the session at Paris in August 2018.
- To plan out strategy to be adopted by the Indian delegates attending the CIGRE Paris Session 2018 to ensure maximum benefits of technical inputs for the Indian Engineers.

DATES & VENUE

The Conference will be held on 26-27 July 2018, Scope Convention Centre, Core 8, SCOPE Complex, Lodhi Road, New Delhi 110 003

REGISTRATION FEE

The registration fee payable by the delegates for participation in the conference is Rs. 15,000/- + 18% GST, per person.

- 10% Discount for CBIP & CIGRE members and for Group of 5 executives from same organization.

The registration fee includes registration kit, one copy of proceedings, working lunch and tea in between the Conference. The delegates shall have to make their own arrangements for boarding, lodging and transport. Spot registration facility to a limited extent will be available.

PAYMENT & CORRESPONDENCE

All payments for the Conference i.e. for registration fee and sponsorship etc. may be made through Demand Draft/Cheque in favour of "CIGRE India", payable at New Delhi or amount transferred/deposited to CIGRE Account No. 034601001054, (MICR No.110229052) ICICI Bank Limited, Bank Address : 16/48, Malcha Marg Shopping Center, Chanakyapuri, New Delhi 110 021, India. Name of the event should be mentioned under subject in all correspondence related to this Conference.

CIGRE GSTIN No : 07AAAAZ0260A1Z1

PROGRAMME (TENTATIVE)

Time	26.07.2018		27.07.2018	
0830 - 0930	REGISTRATION			
0930 - 1000	INAUGURAL SESSION			
1000 - 1030	TEA/ COFFEE BREAK			
	Hall 1	Hall 2	Hall 1	Hall 2
1030 - 1200	A2: Transformers	D2 : Information Systems & Telecommunications	A3 : High Voltage Equipment	C1 : System Development & Economics
1200 - 1330	B2 : Overhead Lines	C5 : Electricity Markets & Regulation	A1: Rotating Electrical Machines	C2 : System Operation & Control
1330 - 1430	LUNCH BREAK			
1430 - 1600	B3 : Substations	D1 : Materials & Emerging Test Techniques	B4 : HVDC & Power Electronics	B1 : Insulated Cables
1600 - 1630	TEA/ COFFEE BREAK			
1630 - 1800	C4: System Technical Performance	B5: Protection & Automation	C6: Distribution Systems & Dispersed Gen.	C3: System Environmental Performance

EXHIBITION CHARGES - Rs. 1.00 lac per stall (size 2 m x 2 m)

An exhibition concurrent to the Technical Session is also being organised. This will provide a scope to present the new technologies, materials and mechanism including software. Participants will enjoy the opportunity to inspect the exhibition and exhibitors will have an excellent opportunity of accessing a large number of potential buyers/ decision makers each day. The space will be allotted on first-cum-first served basis.

REGISTRATION FORM

Name : _____

Designation : _____

Address : _____

Phone : _____ Fax : _____ Email : _____

SPONSORSHIP OPPORTUNITY

Scope exists for organizations to be the sponsor, gain publicity through networking with the industry's leading Government Officials, Sr. level delegates and experts besides following privileges:

Platinum Sponsorship
INR 5,00,000

- 10 delegate passes
- Company logo on Backdrop
- Company logo on Cover page of Proceedings Volume
- Advertisement (Special Position) in the Proceedings Volume
- Circulation of Company Literature
- Exhibit Space
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- Advertisement in the Key Journal Published covering report of the event
- Speaking Opportunity

Gold Sponsorship
INR 3,00,000

- 5 delegate passes
- Company logo on Backdrop
- Company logo on Cover page of Proceedings Volume
- Advertisement (Special Position) in the Proceedings Volume
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- Announcement – Thanking sponsor

Silver Sponsorship
INR 2,00,000

- 3 delegate passes
- Company logo on Backdrop
- Company logo on Cover page of Proceedings Volume
- Circulation of Company Literature

CONTACT ADDRESS

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TOPICS

CIGRE-India expects to receive from CIGRE Paris, the reporters report and special reporters' questions on technical papers by the end of June 2018, presented/discussed during 2018 CIGRE session at Paris. The same will be sent to all the participants for their feedback, suggestions and contribution in supplementing the information in respect of technological developments & innovations on the following related topics:

Rotating Electrical Machines

- Generation mix of the future
- Asset management of electrical machines
- Developments of rotating electrical

Session Chairman: Mr. D.K. Chaturvedi, AGM, NTPC

Transformers

- Thermal characteristics of power transformers
- Ad vances in diagnostics and modelling
- Site commissioning tests

Session Chairman : Ms. Seema Gupta, Director, POWERGRID

High Voltage Equipment

- Requirements for AC and DC transmission & distribution equipment
- Lifetime management of transmission & distribution equipment
- Novel developments of transmission & distribution equipment

Session Chairman : Mr. R.K. Tyagi, GM, POWERGRID

Insulated Cables

- Recent experiences with underground and submarine AC and DC cable systems
- Best use of existing underground and submarine AC and DC cable systems
- AC and DC underground and submarine cab le systems in the network of the Future

Session Chairman: Mr. Lalit Sharma, COO, KEI

Overhead Lines

- Overhead lines and information technology
- Experiences leading to Improvements of OHL
- Technical and environmental aspects of OHL

Session Chairman: Mr. Anish Anand, GM, POWERGRID

Substations

- Advances in substation technology and design
- Evolution in substation management
- Health, safety, environmental and quality assurance considerations in substations

Session Chairman : Mr. Rajil Srivastava, AGM, POWERGRID

HVDC and Power Electronics

- DC systems and their applications
- MV DC / LV DC and power electronics for distribution systems
- FACTS

Session Chairman : Mr. R.K. Chauhan, ED, POWERGRID

Protection and Automation

- Protection under system emergency conditions
- User experience and current practice with IEC 61850 process bus

Session Chairman : Mr. Subhash Thakur, AGM, NTPC

System Development and Economics

- Expanding role of social factors and transparency in transmission investment decision approaches
- Impact of changing external factors on asset management
- Coordinated planning between grid operators across all voltage levels

Session Chairman : Mr. Ashok Pal, GM, POWERGRID

System Operation and Control

- Ensuring operating reliability
- Big Data and their use for system operations

Session Chairman : Mr. K.V. S. Baba, CMD, POSOCO

System Environmental Performance

- Effectiveness of environmental prevention, mitigation and compensation measures
- Mitigation of the visual impacts of electrical assets to increase public acceptance
- Technical and environmental aspects of OHL

Session Chairman : Mr. B.N. De Bhomick, GM, POWERGRID

System Technical Performance

- System technical performance issues focusing on the effects of high level integration of power electronics based technologies
- Developments and advances in modelling and evaluation of lightning performance and insulation coordination including:
- Computational advances in tools, models, methodology and analysis of power system technical performance related issues

Session Chairman : Mr. B.B. Chauhan, MD, GETCO

Electricity Markets and Regulation

- The need to change business and regulatory models driven by increase in distributed resources, storage & demand response
- Impact of climate policy on electricity markets
- Localized markets or microgrids interacting with wholesale markets

Session Chairman : Mr. P.K. Aggrawal, Director, POSOCO

Distribution Systems and Dispersed Generation

- Achieving flexibility through strategic distribution planning
- Energy storage in distribution systems
- Intelligent electrification for all

Session Chairman : Dr. Subir Sen, ED, POWERGRID

Materials and Emerging Test Techniques

- HV DC insulation systems
- Materials and ageing
- Testing, monitoring and diagnostics

Session Chairman : Mr. Jithin Sunder, ED, BHEL

Information Systems and Telecommunication

- Opportunities & challenges in ICT applied to microgrid & DER
- Potential applications and implementation of network and infrastructure virtualization
- Maintaining reliable and secure operation in an evolving environment

Session Chairman : Mr. N.S. Sodha, Ex ED, POWERGRID

Chairpersons of CIGRE - India National Study Committees (NSC) 2018 - 2020

Seema Gupta
Director, Powergrid
Chairperson CIGRE NSC A2

B.B. Chauhan
MD, GETCO
Chairman CIGRE NSC C4

K.V.S. Baba
CMD, POSOCO
Chairman CIGRE NSC C2

Subir Sen
ED, Powergrid
Chairman CIGRE NSC C6

Jithin Sunder
ED, BHEL
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P.K. Aggarwal
Dir., POSOCO
Chairman CIGRE NSC C5

R.K. Chauhan
ED, Powergrid
Chairman CIGRE NSC B4

R.K. Tyagi
GM, Powergrid
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B.N. De Bhomick
GM, Powergrid
Chairman CIGRE NSC C3

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GM, Powergrid
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GM, Powergrid
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AGM, Powergrid
Chairman CIGRE NSC B3

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Ex. ED, Powergrid
Chairman CIGRE NSC D2

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AGM, NTPC
Chairman CIGRE NSC A1

Subhas Thakur
AGM, NTPC
Chairman CIGRE NSC B5

Lalit Sharma
COO, KEI
Chairman CIGRE NSC B1

Special Attraction

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