

**6<sup>th</sup> Conference on**

# **ADVANCES & INNOVATIONS IN SUBSTATIONS TECHNOLOGY INCLUDING USE OF COMPOSITE INSULATOR**

**(Under the aegis of CIGRE NSC B3 on Substations & A3 on HV Equipments)**

**28 - 29 June 2018, Hotel Le Meridien, New Delhi**



*Organised by*



Central Board of Irrigation & Power



CIGRE India

*Jointly with*

**SHEMAR**

Jiangsu Shemar Electric Co., LTD

## **PROGRAMME OVERVIEW**

To minimize the sub-station equipment failure, it has become a pressing necessity for practicing engineers today to keep abreast with the best practices of maintenance of sub-station equipment. Due to this pressure, maintenance practices of sub-station equipment have been undergoing refinements in techniques and scope, consistent with rapidly changing requirements and compulsions.

Modern condition monitoring techniques and procedures already in use worldwide should, therefore, be adopted based on techno-economic considerations and importance/criticality of the link in the system. Residual life assessment of the equipment need also be carried out to improve availability, reliability, efficiency and safety of the equipment and also to extend useful life beyond designed life in a cost effective manner. Causes of failure of equipment require thorough investigations to avoid recurrence.

In view of the recent advancement & innovations taking place at a fast pace, it is extremely necessary for the professionals to update their knowledge. By participating this conference you will have the opportunity to meet the eminent experts on the subject, in order to build up a state-of-the-art view on the new requirements; solutions proposed and expected improvements for the future of the substation.

The aim of the conference is to provide a forum for open discussions and exchange of information on the latest state-of-the-art technology to come out with positive/concrete recommendations on the subject. It will be appreciated that it is very necessary for the professionals to capture the latest knowledge and innovations so as to keep the pace with the advancement taking place in this sector. The accentuation of the knowledge of the professionals in this region is going to ensure better performance of Power System. Presently with the integration of various renewables into the system, it is appropriate to include the transmission and distribution sector also to appreciate the various issues faced due to renewable integration and its impact on various sub-station systems.

Keeping in view the importance of the subject and to disseminate the development in being taken in the recent past by the various organization on the substation technology the Central Board of Irrigation & Power and CIGRE India jointly with Jiangsu Shemar Electric Co., LTD are organizing this Conference on “Advances & Innovations in Substations Technology including use of Composite Insulator” on 28-29 June 2018 at Hotel Le Meridien, New Delhi.

## **PROGRAMME PROFILE**

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

- Modern Trends in Substation Technology
- Advancement and innovations in substation equipments
- Development of Un-manned Substations
- Advancement of use of SF6 CTs and CVTs in substations
- Hybrid based solution for Renovation & Modernization of substations
- Development in 765 kV class equipment including circuit breakers
- Development of Digital Substations
- leakage of equipment of substations
- flashover of porcelain insulators,
- the advantages of composite substation insulators (also bushings),
- Forced outages due to failure of substation equipment – corrective actions
- Modern condition monitoring techniques used in Substations
- New materials and new technologies into substations.
- Maximizing substation availability.
- Adaption of substations to meet emerging power system requirements.
- Risk quantification and optimised asset decision making, substation economics, maintenance management.
- Substation asset performance, residual life, health and condition metrics.
- Knowledge management, design methodologies and training.
- Various Case studies on the subject.
- Handling High Fault Current in Sub-stations
- Renewable intergration : Challenges and Opportunities

## PARTICIPANTS PROFILE

Executive from Power Utilities, corporations, State Govts./ SEBs/ Researchers/ Academics, Manufacturers, Planners, Operators, Consultants, Electrical Contractors etc.

## PRESENTATIONS BY EXPERTS

Eminent experts from POWERGRID, CEA, SHEMAR China, SWEPDI, State Grid Corporation of China, ABB, Siemens, GE, Hyosung, Crompton Greaves, Germany on the subject have been 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 31st May 2018.

## REGISTRATION FEE

Special Discounted Registration fee is Rs. 6,000/- 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	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 in Proceedings</li><li>• Table space for display of services at the venue</li></ul>
Gold Sponsor	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 Proceedings</li><li>• Table space for display of services at the venue</li></ul>
Silver Sponsor	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.

## CONFERENCE SECRETARIAT

**Shri V.K. Kanjlia**

*Secretary*

Central Board of Irrigation and Power

Malcha Marg, Chanakyapuri, New Delhi

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

## TRAVEL MANAGER

**Pearl International Tours & Travel Ltd.**

City Center, 904, Rohit House, 3, Tolstoy Marg, New Delhi - 110 001, India

Tel : 91 11 23442100 [www.lcc-pearl.com](http://www.lcc-pearl.com)

Contact Person : Neeraj Kumar, M 9711771824

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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.