

Conference on Reliable & Quality Power

30-31 May 2019
CBIP Conference Hall, New Delhi



Organised by



Central Board of Irrigation & Power

In association with



Central Electricity Authority

Supported by



International Copper
Association
Copper Alliance

International Copper Association India

Knowledge Partner



Asia Power Quality Initiative

ANNOUNCEMENT

Central Board of Irrigation & Power in association with Central Electricity Authority is organizing a Conference on "Reliable & Quality Power", on 30-31 May 2019 in its Conference Hall, New Delhi. The conference is supported by International Copper Association India.

INTRODUCTION

The need for continuous, reliable and quality power has been recognized by Electricity Act 2003. With Power availability position improving over the years, the need for attention to reliability and power quality has been felt. There are other factors also which have prompted increased focus on these parameters. While there are some indices being followed by Regulators and discoms to measure reliability of power (SAIFI, SAIDI etc), there are still no clearly defined power quality standards or regulations in this regard. Poor Power quality could damage a number of electric and electronic devices and equipment. Further power quality is adversely affected by a number of appliances and non linear loads like computers, inverters, inverter based appliances, Variable frequency devices, LED lamps etc.

Power quality is thus becoming one of major issues with utilities. It is in this context that the Conference on "Reliable & Quality Power" has been planned. It is proposed to discuss components of power quality, various factors affecting the quality of Power and the remedial measures in this conference. The conference also aims to discuss Regulations which need to be in place in all states to ensure power quality to all consumers and ensure polluters are penalized and that investments are made by Discoms to monitor and maintain power quality at mandated standards. The conference is particularly relevant to all the utilities, regulators, in view of their evolving power system in similar environments.

PQ Regulation India

The existing Regulations for PQ, as observed in the recent report on PQ for Electricity Consumers in India released in 2018 and prepared by the sub-committee of Forum of Regulators are inadequate and need to cover more parameters, Regulations should ensure proper monitoring of all PQ standards, inculcate discipline among power users and discoms by levying penalties from defaulters/polluters. The Report of the sub group is key milestone in ensuring that power quality standards are clearly specified, monitored and polluters penalized. The conference will highlight the important aspects of the regulatory framework and its impact on Utilities, equipment manufacturers and the end customers

Current PQ Regulations

- Reliability (SAIFI • SAIDI • CAIDI)
- Voltage (variation • unbalance • monitoring)
Current (unbalance)
- Harmonics • (THDV limits in majority of states
• THDI in limited states)

Model PQ Regulations by Forum of Regulators (2018)

- Frequency Deviations
- Harmonics (to follow IEEE 519-2014 and IEC 61000-4-30 Class-A for PQ Analysers)
- Voltage Variations and Flicker (Short/Long Term Sensitivity as per IEC 61000)
- Voltage Unbalance
- Voltage Dips and Swells (Duration from 10 ms up to and including 1 min)
- Voltage Transients (User to apply Surge Suppression Devices)
- Supply Voltage Interruption (Voltage drop of 10% -short (20 ms to 1 min) and long (3 mins+)
- Power Factors (compensation for injecting Current Harmonics)
- Power Factors (compensation for injecting Current Harmonics)

WHO SHOULD ATTEND

- Senior officers of Power Utilities, PSUs
- Regulatory Commission Technical Officers
- Manufacturers
- Research/ Academic Institutions
- State Govt./SEB's Nodal agencies
- Energy Planners, Private Entrepreneurs
- Development Consultants
- Construction Companies & financial Institutions etc.

TOPICS

POWER QUALITY & REGULATIONS	<ul style="list-style-type: none"> • Quality Survey, Optimal level of power quality and its impact on plant and equipment • Measurement Protocol • Measurement equipment and diagnostic tools • Overview of key PQ parameters as identified by the Forum of Regulators to be monitored for PQ compliance • Understanding the new model PQ Regulations in India
HARMONICS	<ul style="list-style-type: none"> • Harmonics (Characteristic and non-characteristic) in A.C. & D.C. Systems and Harmonic Protocols • Measurement of harmonics and simulation • Devices for limiting harmonics
VOLTAGE QUALITY	<ul style="list-style-type: none"> • Voltage fluctuation, voltage unbalance, voltage dips and lamp flickers, short interruptions, low frequency switching transients • Measurement techniques • Voltage regulating devices - Reactors, SVCS, Filters (Active and Passive) • Modern techniques for voltage stability and security
CASE STUDIES	Experts who desire to submit case studies or present paper on above topics are welcome to submit their papers by 10 th May 2019.
REACTIVE POWER IN DISTRIBUTION SYSTEM	<ul style="list-style-type: none"> • Voltage control and reactive power management • Assessment Practices to control Voltage & Reactive Power • Reactive Power control to reduce the cost of utility operation

REGISTRATION FEE

Registration fee for the delegates is as follows:

(i) Rs. 12,000/- per participant.

(ii) Rs. 10,000/- per participant for members of CBIP and CIGRE.

GST 18% 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.

The perspective participants, desirous of attending the Conference may register themselves by sending the following details to CBIP along with necessary payments:

Delegate Name:
 Designation:
 Organization:
 Mailing address:
 Phone/Fax/E-mail:

DATES AND VENUE

The Conference will be held on

- Date : 30-31 May 2019 (Thursday, Friday)
- Venue : CBIP Conference Hall, Malcha Marg, Chanakyapuri, New Delhi 110021.
- Time : 10.00 AM to 5.30 PM. (Note: The registration will start at 9.00 AM on 30th May 2019)

CALL FOR ADVERTISEMENTS

A limited space for insertion of advertisement of various organizations in the Proceeding Volume is being provided. The interested organizations are required to send the advertisement material, i.e. Art Work/Negative/Positive for colour Advertisement alongwith payment as detailed below:

• Back Cover Page	Rs. 35,000/-
• Second and Third Cover Page	Rs. 25,000/-
• First Opening Page	Rs. 20,000/-
• Full Page (A4 size)	Rs. 15,000/-

*GST 5% extra.

SPONSORSHIP OPPORTUNITY

Sponsors are assured of full visibility with printing of their names on proceedings and banners of the 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:

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

ADDRESS FOR CORRESPONDENCE

V.K. Kanjlia, Secretary
P.P. Wahi, Director
Central Board of Irrigation & Power

Malcha Marg, Chanakyapuri, New Delhi - 110021
Phone: 011 26115984/1294/26116567; Fax: 011 2611 6347
E-Mail: batra@cbip.org; cbip.batra@yahoo.com; cbip@cbip.org

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

