

Information Bulletin

Conference on
**BEST PRACTICES IN POWER
DISTRIBUTION SYSTEMS**

Date: 16-17 April 2015

Venue: CBIP Conference Hall, New Delhi



Organised by



Central Board of Irrigation & Power

In association with



International Conference on Electricity Distribution [CIRED]

ANNOUNCEMENT

The Central Board of Irrigation and Power, New Delhi in association with International Conference on Electricity Distribution [CIRED], Belgium is organizing Conference on Best Practices in Power Distribution Systems on 16-17 April 2015 at CBIP Conference Hall, New Delhi.

AIM OF THE CONFERENCE

Power is a critical infrastructure for the growth of Indian economy. Acceleration in the economic growth will depend upon a financially and commercially viable power sector that is able to attract fresh investments.

However, the financial health of the power utilities in the country has become a matter of grave concern considering that their losses have reached an alarming level. Out of total energy generated, approximately only 55% is billed and only 41% is realized. The gap between average revenue realization and average cost of supply has been constantly increasing.

The major factors responsible for financial sickness of SEBs are:

- Skewed tariff structure leading to unsustainable cross subsidies by State Government
- Huge T&D losses, largely due to outright theft and unmetered supply.
- Lack of accounting and accountability in distribution.
- Outdated rules, regulations, management structure and practices
- Unstable top Management.

Power Sector development cannot accelerate until the above issues are addressed with full commitment at all levels. Accordingly, distribution reforms have been identified as the key area for putting the sector on the right track.

A number of changes are taking place in the power distribution sector of the country, aimed at improving the financial viability of the sector. There have been regular tariff revisions in most states over the past two to three years. Financial restructuring plans have been operationalised in some states and are under consideration in other states.

Emerging requirements such as new types of loads, changing generation mix, net metering, customer service needs, etc. are the drivers of business transformation in the distribution segment. Utilities will need to adapt their business processes and technology deployments to these requirements.

Discoms are increasingly deploying IT-based solutions. There is a greater focus on building robust energy accounting systems and automating metering, billing and collection. Many of these systems are being put in place under the R-APDRP, which holds significant promise in modernising the sector. Utilities are also using advanced analytics to evaluate their network and consumer data.

Load forecasting is emerging as an important tool for DISCOMs to manage demand. DISCOMs are also undertaking demand-side management measures such as time of day (ToD) metering, to smoothen the demand curve.

With ageing network and equipment, condition monitoring and diagnostics will play a key role to ensure uninterrupted power supply to customers. This will help in reducing the failure rate of key equipment like transformers.

Despite all the progress made, high AT&C losses remain the key factors for the weak financial position of distribution utilities. While efforts are being made to reduce these losses, the trajectory of AT&C loss reduction has been very gradual.

The average cost of supply-average revenue realised gap, though narrowed through regular tariff increases, still exists, so discoms continue to incur losses on each unit of power sold. Utilities are still using load shedding as a means to manage demand and minimise losses; as such, demand remains suppressed.

Power procurement costs, which are the biggest proportion of the costs of discoms, have been increasing due to increased cost of generation. Discoms are also concerned about possible renegotiations of or tariff escalation in the existing power purchase contracts.

The mission of this conference is to provide a platform to share best practices, and highlight emerging requirements in the power distribution sector. The conference will also focus on the key challenges facing the sector and the measures being taken to address them.

TOPICS

- Dispersed distributed generation (DDG)
- Remote village connectivity/lighting
- Smart grid concept and adoption
- Micro grid, Renewable integration
- Modern Construction technology, Special type of construction in Disaster prone areas,
- Gas insulated and hybrid technology
- Energy efficiency, Energy conservation, DSM/Load management
- Key performance indicators
- Safety – man and material
- Power quality – concept, measurement, mitigation, Reliability issues
- Standardization of planning system, Standardization in construction
- HR and empowerment of personnel and Capacity building
- Adoption of ERP
- Quality assurance and quality of construction
- Best practices- Area specific practices
- Low voltage DC application
- Loss reduction
- Load Forecasting techniques
- O&M Practices
- Condition monitoring
- IT application/SCADA
- Regulations impacting Distribution System
- Segregation of feeders
- Standardization of Equipment and Materials

CALL FOR PAPERS

All concerned wishing to present paper(s) on one or more of the above-mentioned topics/allied topics are requested to send the paper, in English to the conference secretariat.

The last date for receipt of paper is 31st March 2015.

WHO SHOULD ATTEND

Senior Officers of Power Utilities/Corporations, State Govt./SEBs, Nodal Agencies, Energy Planners, Private Entrepreneurs, Manufacturers, Development Consultants, Research/Academic Institutions, Construction Companies and Financial Institutions etc.

REGISTRATION

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

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

	Registration fee per participant	Discounted fee for	
		CBIP/CIGRE Members	Students
Amount	12,000/-	10,000/-	2,500/-

Service Tax 12.36% extra.

The conference is non-residential. The conference timing will be 10.00 AM to 5.00 PM on both the days. The registration will start at 9.00 AM on day one of the conference

Registration fee shall cover the registration kit, and Tea/ coffee / lunch during the Conference. Participants will have to make their own arrangement for travel, boarding and lodging, etc. All payments should be made by cheque at par/ Demand Draft drawn in favour of “Central Board of Irrigation and Power”, payable at New Delhi or by transfer the amount to HDFC Bank, Address: 209-214, Kailash Building, 26 Kasturba Gandhi Marg, New Delhi 110001;

Saving Bank Account No. : 00031110004411; Swift Code: HDFCINBBDEL;

IFSC: HDFC 0000003;

MICR Code: 110240001.

OTHER ATTRACTIONS

Scope exists for organizations to be sponsor on lump sum payment with following attendant benefits:

Sl. No.	Category	Fee in Rs.	Free delegates	Free Advt. in proceedings
1.	Gold Sponsorship	2,00,000	6	2 pages
2.	Silver Sponsorship	1,00,000	4	1 page

PRIVILEGES

- Name of organization in the list of sponsors
- Organization may nominate free delegates as mentioned above
- Free Advertisement in proceedings volume
- Distribution of literature/brochures

For further details, please contact the Conference Secretariat.

CALL FOR ADVERTISEMENTS

A limited space for insertion of advertisements in the Conference proceedings is available at the following rates:

Position	Charges for Advertisement in INR
Back cover page	25,000
Second or third cover page	20,000
Full page (20 cm x 10 cm)	12,500

Note: Material required: Artwork/negative/positive.

The last date for receipt of advertisements is 31st March 2015.

ADDRESS FOR CORRESPONDENCE

V.K. Kanjlia

Secretary

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;

Contact Person at CBIP: Shri S.K. Batra, Sr. Manager -Tech., M: 9811943812