

National Conference **CRISIS & DISASTER MANAGEMENT** **IN POWER SECTOR AND** **ASSOCIATED ENVIRONMENT**

11-12 August 2016, New Delhi



Organised by



Central Board of Irrigation & Power



Central Board of Irrigation & Power
Malcha Marg, Chanakyapuri, New Delhi

CONFERENCE OVERVIEW

The Central Board of Irrigation and Power (CBIP) is organizing a National Conference on “Crisis & Disaster Management in Power Sector and Associated Environment” on 11-12 August 2016 at Conference Hall of CBIP, New Delhi.

India is prone to large number of natural calamities as well as manmade disasters. The geology of the mountains is such that it may lead to landslides avalanches causing damage to the tower foundations and incessant rains resulting into the flooding in the power houses. Out of about 7500 km long coastal line, around 5700 km is prone to cyclones and tsunamis. Around 58% land mass of the country is vulnerable in varying degrees to earthquake of moderate to high intensity. Frequent earthquakes in the recent past especially in Northern Region is also of great concern. Apart from above disasters, crisis situations on account of chemical, biological, radiological and nuclear origin also exist.

Electricity is the lifeline of the economy as well as of the society. Any disruption in the supply of electricity causes not only loss to the economy, but also creates hardship to human beings, as every aspect of human life is connected with electricity. As such, any crisis situation in the power sector has great impact and needs special attention. Recently there have been such incidents of disaster in Orissa, J&K, Uttarakhand and Chennai.

With the introduction of Information & Communication Technology (ICT) based Control Systems, the efficiency, reliability and operational flexibility of Power System has increased many folds. These control systems like SCADA/EMS can be operated in isolation and also from remote with corporate network as well as internet. This resulting into the exposure of the Power System controls to cyber space and thus becoming vulnerable to Cyber Attacks. The operation of critical electrical infrastructure in India may be at risk due to increasing cyber incidences that may impact normal operations.

Cyber-attacks are increasing threats to the control systems used in the critical infrastructures in the world today. Cyber-attacks may not be as easily identified and many of the attacks may go unnoticed even to the companies for long periods of time. Even though the resources and tools for cyber-attacks are becoming more common and readily available, companies that own and operate the critical infrastructures are often unaware of the problem and may have poor cyber

security designs and weak protection. Smart grids will also change the institutional map of the power sector, creating a new ecosystem of players extending well beyond today’s network of system operators, distributors/retailer and end-users. However, opening the electricity system to third party innovation will require dealing with new issues such as interoperability, cyber security and consumer privacy.

Power sector being one of the important infrastructures may get affected due to any disaster leading to disruption in generation, transmission and distribution of electricity. It, therefore, becomes extremely important to evolve crisis & disaster management plan to restore the generation, transmission, and distribution of power in the affected areas in the shortest possible time.

Crisis in power sector is an event of acute danger which can cause sudden disruption of power supply. Such events are caused due to human error, equipment failure or sabotage by anti-social elements. ‘Disaster’ is an event which brings disruption to normal life including that of the power supply. Disasters are situations of great calamity which is beyond coping capacity of affected community. As far as power sector is concerned, the Disaster is generally synonymous with crisis.

The Utilities associated with generation, transmission, load dispatch and distribution of electricity are required to prepare the crisis management plan indicating the emergency/ crisis situation to which their plants are vulnerable and detailed action plan for effectively handling such situation in shortest possible time with minimum losses to life and assets. Although the disaster management is already in place, but it needs to be reviewed time to time depending the present situation and past experiences.

The objective of conference is to sensitize the utilities to share their experiences in dealing with crisis situations and steps/measures which could be adopted for such emergency conditions. A few case studies on various types of emergency situation in power sector giving details of action taken during and post crisis period and strategy adopted to avoid reoccurrence of such incidents would be deliberated in the conference.

In order to discuss and find solution to the various issues connected with the above subjects, the Central Board of Irrigation & Power is organising this National Conference on “Crisis & Disaster Management in Power Sector and Associated Environment” on 11-12 August 2016 at CBIP, New Delhi.

TOPICS

Various topics of interest have been identified for deliberation during the conference:

- Crisis & Disaster Management Plan of Power Sector
- Preparedness for crisis/disaster management.
- Role and Responsibilities of various organizations in handling Disaster & Crisis Situation.
- Challenges in handling Crisis and Disaster Situations in Thermal and Hydro Electric Stations specially in case of flooding in Power Plants & Case Studies.
- Disaster Management in Transmission and restoration of power supply through Emergency Restoration System (ERS)
- Grid disaster & their Management
- Disaster Management for Distribution System; DISCOM Experiences
- Cyber Threats, Cyber Security for Power sector and Hazardous chemical threats.
- Crisis in Renewable Generation Projects

DATE AND VENUE

The conference will be held on 11-12 August 2016 (Thursday & Friday) in the Conference Hall, CBIP Building, Chanakyapuri, Malcha Marg, New Delhi-110021

PRESENTATIONS BY EXPERTS

Eminent experts 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 30th July 2016.

REGISTRATION FEE

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

The registration fee for attending the Conference is given below:

- Rs. 12,000/- per participant
- Rs. 10,000/- per participant for members of CBIP

Service Tax 14%, Swachh Bharat Cess @ 0.5% & Krishi Kalyan Cess 0.5% extra

The conference is non-residential. The conference timing will be 10.00 AM to 5.30 PM. The registration will start at 9.00 AM on 11th August 2016.

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 for sponsorship on lump sum payment alongwith privileges as detailed below:

S. No.	Category	Fee in Rs.	Free Delegates	Free Advt.
1	Gold Sponsorship	2,00,000	6	2 Pages
2	Silver Sponsorship	1,00,000	3	1 Page

PRIVILEGES TO THE SPONSORS

- Name & logo of organization in the main banner.
- Organization may nominate free delegates as mentioned above.
- A4 size full page advertisement in proceedings volume
- Distribution of literature/brochures

PAYMENTS

All payments are to be made through Banker's Cheque at par/DD payable to Central Board of Irrigation and Power payable at New Delhi

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,
Chief Manager -Tech., M: 9811943812

National Conference
CRISIS & DISASTER MANAGEMENT
IN POWER SECTOR AND
ASSOCIATED ENVIRONMENT

11-12 August 2016, New Delhi

REGISTRATION FORM

(To be filled in block letters preferably)

Delegate _____

(Surname)

(First Name)

Designation _____

Name of Organisation _____

Mailing Address _____

City _____

State _____ PIN _____

Phone _____ Fax _____

Email _____

Dated _____ Signature _____

Registration Form, duly filled in, is to be mailed to the following address:

Shri V.K. Kanjlia

Secretary

Central Board of Irrigation & Power

Malcha Marg, Chanakyapuri, New Delhi - 110021

Phone: 011 26115984/1294/26116567; Fax: 011 2611 6347

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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.