

National Tutorial on

Information Bulletin

Resources adequacy for better Power Portfolio Management

*Under the aegis of CIGRE NSC C5 on Electricity markets and regulation and
C6 Active distribution systems and distributed energy resources*

Date: 16th – 17th January 2025

Venue: CBIP Conference Hall



Organized by

Jointly Organized by

Supported by



New Delhi
ISO 9001:2015

CENTRAL BOARD OF IRRIGATION & POWER

ANNOUNCEMENT

The Central Board of Irrigation & Power in association with CIGRE-India is organizing National Tutorial on 'Resources adequacy for better Power Portfolio Management' on 16-17 January 2024 at CBIP Conference Hall, Chanakyapuri, New Delhi - 21. This tutorial is being organized under the aegis of CIGRE NSC C5 on Electricity markets and regulation and NSC C6 on Active distribution systems and distributed energy resources.

INTRODUCTION

For the past few years, India has been the fastest growing large economy in the World; and the growth will continue. Currently, it is the fifth largest economy in the World; and it is poised to become the third largest economy by 2030. The ever increasing demand for energy and depleting supplies of fossils fuels complexities of distribution systems and the emergence of prosumers warrant the need renewable energy sources, build robust, reliable, and efficient infrastructure and distribution systems that seamlessly integrate India's DISCOMs and Distributed Energy Resources (DERs). This will only be possible if there is sufficient electricity to power this growth. It is essential that generation capacity is added at a pace matching the growth in demand- and in fact slightly ahead of the demand; so that the shortage of electricity does not slow down growth. Resource Adequacy planning is to play an important role for this.

In view of this CBIP jointly with CIGRE India decided to organise the National Tutorial on Resource Adequacy for Better Power Portfolio Management, on January 16-17, 2025, in New Delhi. This event aims to bring together industry experts, policymakers, and stakeholders to discuss innovative strategies and best practices in power portfolio management, focusing on ensuring resource adequacy in a rapidly evolving energy landscape.

OBJECTIVES

To provide insights into the current trends and challenges in power portfolio management.

To explore methods for assessing and ensuring resource adequacy.

To share case studies and best practices from various regions.

To facilitate discussions on policy frameworks and technological advancements.

Key Themes:

- Role of Resource Adequacy Framework in Power Portfolio Optimisation
- Distributed System Operation (DSO) framework in India
- Identifying challenges and opportunities associated with ensuring resource adequacy amidst evolving energy dynamics
- Understanding Resource Adequacy:
 - Definitions and importance in the context of energy security.
- Innovative Power Portfolio Strategies:
 - Diversification of energy sources.
 - Integration of renewable energy into existing portfolios.
 - Viability of Energy Storage in the grid
- Regulatory Frameworks:
 - Role of government policies in ensuring resource adequacy.
 - Case studies on successful regulatory practices of resource adequacy by State Electricity Regulatory Commission
- Technological Advancements:
 - Impact of smart grids and energy storage solutions.
 - Utilization of data analytics for improved decision-making.
- Future Trends and Challenges:
 - Climate change implications on resource availability.
 - Strategies for resilience in power systems.

CALL FOR PAPERS

The Eminent experts from Utilities and Industries on the subject have been invited to deliver expert lectures during the Conference. The professionals who desire to make presentations/case studies on the above subject are also welcomed.

TIME LINES

- Last date of receipt of full-length paper/PPT : 5th January 2025
- Intimation of acceptance of paper : 10th January 2025

WHO SHOULD ATTEND

The conference will be of special interest to:

- Planners, Independent power producers, Operators, Consultants, Electrical Contractors, OEM
- Researchers / Academicians, Manufacturers, Power Utilities / Corporations, State Govt. / SEBs, etc.

REGISTRATION FEE

All those who wish to participate in the conference are expected to register in advance by sending the details through email to the organizers along with payment of registration fee as indicated under:

1. Non – Member fee is Rs. 12,000/- per participant
2. Discounted fee for Members of CBIP/CIGRE-India is Rs. 10,000/- per participant
3. Special Discounted fee for Students is Rs. 2,500/- per student

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 arrangements for travel, boarding and lodging etc.

All payments be made through cheque at par in favour of „Central Board of Irrigation & Power“, payable at Delhi or amount deposited/ transferred to HDFC Bank, CBIP A/c no. 00031110004411, MICR No. 110240001, Swift Code : HDFCINBBDEL, IFSC: HDFC 0000003, Address: 209-214, Kailash Building, 26 Kasturba Gandhi Marg, New Delhi.

After making of the payment online in respect of the event, the details like UTR/Organization name to be furnished immediately.

DATE AND VENUE

The conference will be held on 16 – 17 January, 2025 (Thursday and Friday) at Conference Hall, CBIP, New Delhi. The conference timings will be 10.00 AM to 5.30 PM on both the days. The registration will start at 9.00 AM on 16 January 2025.

SPONSORSHIP OPPORTUNITIES

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. Main banner and other publicity material related to conference and will have the privilege of distribution of their product's pamphlets/catalogues during the event. Sponsors will also have the privilege of sending delegates exempted from payment of registration fee as indicated hereunder:

Platinum Sponsor : Rs. 3,50,000/-	Gold Sponsor : Rs. 2,50,000/-	Silver sponsor : Rs. 1,50,000/-
<ul style="list-style-type: none">• 10 delegate passes for participation in the Conference• Speaking Opportunity• Invitation to the key person of the organization as special invitee during Inaugural session• Circulation of Company Literature during the event• Company logo on main backdrop and other banners• Complimentary Advertisement in the Key Journal Published immediately after the event covering report of the event.• Announcement -Thanking sponsor	<ul style="list-style-type: none">• 05 delegate passes for participation in the Conference• Company logo on main backdrop and other banners• Circulation of Company Literature during the event• Announcement - Thanking sponsor• Complimentary Advertisement in the Key Journal Published immediately after the event covering report of the event.	<ul style="list-style-type: none">• 03 delegate passes for participation in the Conference• Company logo on main Backdrop• Announcement – Thanking sponsor

ABOUT CBIP

The Central Board of Irrigation and Power (CBIP), a premier institution, was constituted in 1927 by the Govt. It is serving the Nation in the disciplines of Water Resources, Power and RE Sectors for more than 95 years.

The main objective of CBIP is dissemination of technical knowledge through various modes, such as :

- Organizing National and Intl. Conferences, Symposiums, Conf. and Workshops, training programme etc.
- Publication of technical documents e.g., manuals, technical reports, guidelines and journals etc.
- To provide info. about technological developments to the engineers/professionals and other stake holders.

REGISTRATION FORM

(To be filled in block letters preferably)

1. Name : _____

2. Position : _____

3. Organization : _____

4. Address : _____

5. Phone : _____ Fax No. _____

6. Email : _____

Dated _____

Signature _____

Details/ Amount of Registration fee Paid:

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.

(GST No. 07AAAJC0237F1ZU).

After making the payment online in respect of the event, the details like UTR/Organization name to be furnished immediately.

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

CONFERENCE SECRETARIAT

Shri A.K. Dinkar, Secretary, CBIP

Shri Sanjeev Singh, Director, CBIP

Contact Person : Shri S.K. Batra, Consultant, CBIP – M : 9811943812, E-mail : batra@cbip.org

Central Board of Irrigation & Power (CBIP), Malcha Marg, Chanakyapuri, New Delhi -110 021

Phone: 011-26115984/ 26116567 Fax: 011 2611 6347; E-mail: cbip@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.