

*Conference on*  
**Renewable Energy Technologies  
and its Integration with Grid**

**5 - 6 December 2018**

**Grand Mercure Vadodara Surya Palace, Vadodara, Gujarat**



*Organised by*

*Co-organiser*

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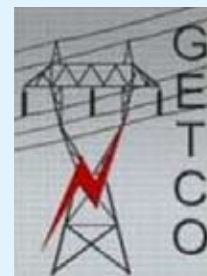
New Delhi  
Central Board of  
Irrigation & Power



CIGRE-India



Society of Power  
Engineers (India)



**ABB**

## **AIMS AND OBJECTIVES OF THE CONFERENCE**

Renewable energy sources and technologies have potential to provide solutions to the long-standing energy problems being faced by the developing countries. The renewable energy sources like wind energy, solar energy, geothermal energy, ocean energy, biomass energy and fuel cell technology can be used to overcome energy shortage in India. India is increasingly adopting responsible renewable energy techniques and taking positive steps towards carbon emissions, cleaning the air and ensuring a more sustainable future. In India, from the last two and half decades there has been a vigorous pursuit of activities relating to renewables with respect to research, development, demonstration, production and application of a variety of renewable energy technologies for use in different sectors.

The Government of India has set a target of adding 175 GW of renewable power in the country by 2022, which will offer massive investment opportunities across the value chain. This includes 60 GW from wind power, 100 GW from solar power, 10 GW from biomass power and 5 GW from small hydro power. To achieve this major programmes / schemes on implementation of Solar Park, Solar Roof Top Scheme, Solar Defence Scheme, Solar scheme for CPUs Solar PV power plants on Canal Bank and Canal Tops, Solar Pump, Solar Rooftop etc., have been launched during the last two years.

Total installed renewable energy capacity in India has touched 70 GW as of August 2018 which comprises of 4493.20 MW of Small hydro, 34293.48 MW of Wind Power, 23022.83 MW of solar power, and 8839 MW of Bio Power. This is around 20 per cent of total energy capacity of around 345 GW of the country.

With policies focused on the renewable energy sector, India is expected to become the hub for renewable energy in the world. The Indian renewable energy sector is the second most attractive renewable energy market in the world. India has the 4th largest wind power capacity in the world. In 2017-18, wind power installed capacity stands at 34 GW. Also with the installed capacity of 22 GW we are the 6<sup>th</sup> largest solar power capacity in the world in 2017-18.

With the increased support of government and private organisations, the sector has become attractive from investors perspective. As India looks to meet its energy demand on its own, renewable energy is set to play an important role.

With the aim to bring together all the stakeholders and to discuss the issues & challenges related to the development of Renewable Energy including Energy Storage, Grid Connectivity and Challenges in Net Metering etc., Central Board of Irrigation & Power and CIGRE-India in association with Society of Power Engineers is organizing a Conference on 'Renewable Energy Technologies and its Integration with Grid' on 5-6 December 2018 at Vadodara.

## **TOPICS TO BE COVERED**

Papers are invited on any topic pertaining to the aim and scope of the conference that includes, but not limited to the following :

- Various green energy sources like solar energy, Wind Power, Hydro Power, Biomass, Geothermal Energy, Wave Energy, Tidal Energy, Hydrogen and Fuel cells.
- Government initiatives – Policy, Regulation and Financing scheme
- Challenges in Manufacturing Sectors of Renewable like PV Modules, Battery, Invertors, Turbines etc.
- Grid Connectivity Challenges – Net metering, Uprating and upgrading of Existing Transmission line for optimum penetration of Renewables
- Solutions for RE integration by Developers and Utilities
- Latest development in Storage System including EV'S, Pump Storage System and Batteries
- Operational issues like Forecasting, Scheduling and Balancing
- Role of Renewables in development of Smart cities
- Hybrid Renewable system and their integration with grid
- Effects and mitigation measures on quality of power due to Renewable injection in large scale

- Green Energy Corridor for renewables
- Issues and Challenges to meet the targets for Roof top Solar by 2022
- New trends and innovations in Renewable Energy System, i.e., Switchgear, Power Electronics, Turbines, P.V. Modules etc.
- Application of Renewable Energy in Industries
- Maintenance, Protection, Safety and Security of Renewable Energy System
- Performance analysis, Data analytics for Renewables and Decision making
- Experiences & case studies

## CALL FOR PAPERS / CASE STUDIES

Experts who desire to participate for making presentations/case studies on the above subjects are requested to furnish the write-ups to reach CBIP office latest by 20<sup>th</sup> November 2018.

## WHO SHOULD ATTEND?

The Conference will be of special interest to Central Govt. / State Govt. SEBs, Power Utilities/Corporations, Transmission Utilities, Regulators, Researchers/Academicians, Manufacturers, Planners, Operators, Consultants, Experts, EPC Contractors, etc.

## DATE AND VENUE

The Conference will be held on 5-6 December 2018 at Grand Mercure Vadodara Surya Palace, Parsi Agyri, 8, Jetalpur Bridge, Sarod, Sayajiganj, Vadodara, Gujarat 390020.

## 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
<b>Platinum Sponsor</b>	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>
<b>Gold Sponsor</b>	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>
<b>Silver Sponsor</b>	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> <li>• Table space for display of services at the venue</li> </ul>

## EXHIBITION

An exhibition concurrent to the Technical Session is also being organized. This will provide a Scope to present the new technologies, materials and mechanism including software. Participants will enjoy the opportunity to inspect the exhibition and exhibitors will have an excellent opportunity of accessing a large number of potential buyers / decision makers each day. The space will be allotted on first-cum-first served basis.

Exhibition Charges are Rs. 25,000/- per stall (size 2 m × 2 m). **GST @ 18% shall be charged extra.**

For further details, please contact the Conference Secretariat.

## REGISTRATION FEE

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 : \_\_\_\_\_

Organisation : \_\_\_\_\_

Mailing address : \_\_\_\_\_

Phone/Fax/E-mail : \_\_\_\_\_

The registration fee for attending the Conference is given below:

1. Rs. 12,000/- per participant
2. Discounted fee for members of CBIP, CIGRE and SPE is Rs. 10,000/- per participant

**GST @ 18% shall be charged extra**

**GST No. 07AAAJC0237F1ZU**

The conference is non-residential and 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 at the venue of the conference.

Registration fee shall cover the registration kit, and tea/ coffee and lunch during the Conference. Participants will have to make their own arrangement for travel, boarding and lodging, etc.

## PAYMENTS

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

For further details, please contact the Conference Secretariat.

## CONTACT ADDRESS

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