

*International Conference*  
**Global Power Sector Challenges  
and Mitigation**

27-30 July, 2022

at Rahat Palace Hotel, Satpaev St 29  
ALMATY 050040, Kazakhstan



**Organisers**



New Delhi  
Central Board of Irrigation  
& Power



International Association on Electricity  
Generation Transmission & Distribution  
(Afro Asian Region)

**Sponsors**

Gold Sponsor



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## ANNOUNCEMENT

The Central Board of Irrigation & Power jointly with International Association on Electricity Generation Transmission & Distribution (Afro Asian Region) is organising International Conference on 'Global Power Sector Challenges and Mitigation' on 27-30 July 2022 at Rahat Palace Hotel, Almaty, Kazakhstan.

## CONFERENCE OBJECTIVE

The conference will focus on various aspects of Global Power Sector Challenges and Mitigation and provide an international forum on the subject where Policy maker, engineers, managers stakeholders, independent power producers, manufacturers, contractors, researchers, etc., will exchange views and experiences among themselves and will take stock of emerging need of speedy developments of the power sector that can be of interest and importance to the industry.

## CALL FOR PAPERS

The Technical papers from the experts from Power utilities, individuals, IPPs, funding agencies, project developers, manufacturers, researchers from the Afro-Asian and other countries on the following indicative topics, but not limited to, are cordially invited for the conference :

## TOPICS TO BE COVERED BUT NOT LIMITED TO :

| There will be presentations by the experts covering the following Topics:   | The emerging technologies on these topics will cover the following aspects:  |
|---|--|
| <ul style="list-style-type: none"><li>Overhead Transmission Lines</li><li>Substations</li><li>Transformers</li><li>EHV Cables</li><li>Distribution System</li><li>Smart Grid Technologies</li><li>Power Generation including from Renewable Sources</li><li>Power Trading Across National Boundaries</li><li>Information System and Telecommunication</li><li>Electricity Markets and Regulation</li><li>Power Reforms – International Experience</li></ul> | <ul style="list-style-type: none"><li>Planning &amp; Design</li><li>Equipment Development/manufacturing including New Materials</li><li>Erection &amp; Testing Techniques</li><li>Operation &amp; Maintenance</li><li>Hydrogen as Fuel for Power Plants</li><li>Protection Automation and Control</li><li>Cyber security.</li><li>Advances in Power Generation from RE Resources</li><li>New Efficient RE Technologies.</li><li>Integration Technologies.</li><li>Development of Universal Connector at Electric Vehicle End.</li><li>Pumped-storage Hydropower Works</li><li>Battery Storage, Use of Lithium ion Batteries.</li><li>Optimal Sizing and Location of Energy Storage Systems (ESS)</li></ul> |

## Time Lines

- Last date of receipt of full-length paper : 30 - 06- 2022
- Intimation of acceptance of paper : 05-07-2022

## PROGRAMME

| S.No. | Date   | Activity  |
|-------|--|---|
| 1     | <b>Day-1</b> : 27-07-2022 (Wednesday)<br>0900 – 1730 hours | International Conference : Session on 'Global Power Sector Challenges and Mitigation' |
| 2     | <b>Day-2</b> : 28-07-2022 (Thursday)<br>0900 – 1730 hours  | International Conference : Session on 'Global Power Sector Challenges and Mitigation' |
| 3     | <b>Day-3</b> : 29-07-2022 (Friday)<br>0900 – 1730 hours    | Knowledge sharing session including Field Visit                                       |
| 4     | <b>Day-4</b> : 30-07-2022 (Saturday)<br>0900 – 1730 hours  | Knowledge sharing session including Field Visit                                       |

## WHO SHOULD ATTEND

Officers of power utilities/corporations, state governments/state electricity boards, nodal agencies, planners, private entrepreneurs, manufacturers, development consultants, research/academic institutions, construction companies, financial institutions, and all related organisations will benefit from the conference.

## REGISTRATION FEE

The registration fee payable by the delegates, including authors of papers, for participation in the conference is as follows:

|                               | Fee Upto 12.7.22 (Date Extended) |                     | Fee after 12.7.22 |                     |
|-------------------------------|----------------------------------|---------------------|-------------------|---------------------|
|                               | Participants                     | Accompanying spouse | Participants      | Accompanying spouse |
| SAARC Countries in INR        | 45,000                           | 15,000              | 55,000            | 18,000              |
| Other countries in US dollars | 600                              | 175                 | 650               | 200                 |

#### Note:

- 18% GST will be extra for the payment in INR
- The delegates' registration fee covers participation in technical session, field visit and Tea/Coffee/Lunches during the conference, the cost of registration kit, conference proceedings in soft copy.
- **Accompanying person** : Fee includes Local sightseeing and Tea/Coffee/Lunches during the event
- Participants/Accompanying spouse to arrange/bear the expenditure towards Air tickets; Stay; Visa fee, Fees for letter for Invitation as applicable.
- Fee once paid will not be refunded
- Payment of registration fee is required to be made to the organisers along with the registration form. For mode of payment, refer the section "payments".

#### SPONSORSHIP OPPORTUNITY

The Conference provides an effective opportunity for sponsoring companies to promote their products/services to a focused audience, besides networking with participants during tea/coffee & lunch intervals. Sponsors are assured of full visibility with printing of their names on proceedings volume, banners and other publicity material related to Conference and will also have the following privilege :

| Platinum Sponsor: Rs. 5,00,000/-   | Gold Sponsor: Rs. 3,00,000/-  | Silver sponsor – Rs. 2,00,000/-   |
|--|---|---|
| <ul style="list-style-type: none"><li>• 04 delegate passes for participation</li><li>• Company logo on main backdrop</li><li>• Company logo on Cover page of Proceedings Volume-soft copy</li><li>• Advertisement (Prominent Position) in the Proceedings Volume</li><li>• Circulation of Company Literature during the event</li><li>• Announcement -Thanking sponsor</li><li>• Speaking Opportunity</li><li>• Complimentary Advertisement in the Key Journal Published immediately after the event covering report of the event.</li></ul> | <ul style="list-style-type: none"><li>• 02 delegate passes for participation</li><li>• Company logo on main backdrop</li><li>• Company logo on Cover page of Proceedings Volume-soft copy</li><li>• Advertisement in the Proceedings Volume</li><li>• Circulation of Company Literature during the event</li><li>• Announcement -Thanking sponsor</li><li>• Speaking Opportunity</li><li>• Complimentary Advertisement in the Key Journal Published immediately after the event covering report of the event.</li></ul> | <ul style="list-style-type: none"><li>• 01 delegate pass for participation</li><li>• Company logo on main Backdrop</li><li>• Company logo on Cover page of Proceedings Volume-soft copy</li><li>• Announcement – Thanking sponsor</li></ul> |

#### PAYMENTS

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 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 – 110001 **GST @ 18% shall be charged extra for the payment in INR** GST No. 07AAAJC0237F1ZU

Bank charges if any, must be borne by the organisation/participants and should not be deducted from the amount remitted to the Conference Secretariat.

#### KAZAKHSTAN – THE HOST COUNTRY

Kazakhstan is a huge country with diverse landscapes, dazzling capital cities, numerous lovingly cherished traditions and a truly exotic Asian culture. The 20 years of hard work and multilateral cooperation with the world brought Kazakhstan to the list of the world's 30 most developed countries.

The territory of Kazakhstan would be highly appealing to any geographer: it comprises infinite wild steppes with fresh- and saltwater lakes making them particularly charming, a unique pine forest, the powerful Tien Shan Mountains, the world's second largest and most important canyons and the Aral Sea that all but disappeared from the face of the Earth.

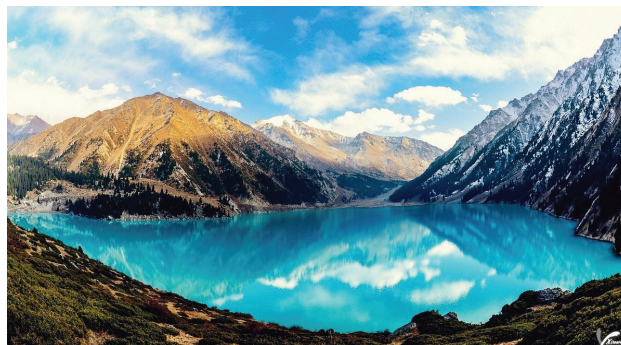
The ancient Kazakh land witnessed a great number of significant historical events, such as the successful struggle of the brave Saka tribes for their freedom against kings Cyrus II and Darius I of the Achaemenid dynasty from the adjacent Persian Empire, as well as against the strongest army of Alexander the Great, who failed to conquer the proud nomadic people. This is also the place where Tomyris, the queen of the Massagetae, nomadic tribes that populated the Aral Sea area, executed Cyrus the Great himself in 530 BC.



There are many mysteries and secrets about the Kazakh soil, and it is impossible to understand its soul unless you come to visit the native land of ancient nomads and see with your own eyes the infinite steppes and traditional yurts - the symbols of the ancestors of the contemporary Kazakh people.

### ALMATY – THE HOST CITY

Almaty, or Alma-ata is the largest city in Kazakhstan with a population of 1.98 million, it is certainly a hustling and bustling place to be. It also used to be the former capital of the country, until 1997 when it moved to Astana. The city is still the centre of commerce for Kazakhstan, with the stock exchange and largest banks located there including Halyk bank, which is the largest bank in Kazakhstan, and one of the largest players in Central Asia. The Stock exchange is the largest in Central Asia and is responsible for a large proportion of the Country's economy.



The city certainly has a spectacular beauty, whether or not it was the Garden of Eden, and is located in the foothills of the Trans-Ili Alatau in the extreme southeast of Kazakhstan. The backdrop of mountains against the taller buildings makes a dramatic and impressive sight and was the center for the Asian Winter games in January 2011.

### ABOUT CBIP

The Central Board of Irrigation and Power (CBIP), a premier institution, was constituted in 1927 by the Government of India. It is serving the Nation in the disciplines of Water Resources, Power, Renewable Energy and allied sectors subject 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, Seminars and Workshops, Training Programme etc.
- Publication of technical documents e.g., manuals, technical reports, guidelines and journals etc.
- To provide information about technological developments to the engineers/professionals and other stake holders.
- Collection, compilation & analysis of technical data at national as well as global level

### ABOUT AARO

International Association on Electricity Generation, Transmission and Distribution – Afro Asian Region (AARO) is a forum of experts & organizations engaged in the various technical activities related to the field of Power Development in the Afro Asian Region. The association was formed in the year 1990 for the benefit of all the developing countries in the Afro – Asian region, with their mutual help and cooperation. The Association has so far organised seven international conferences at New Delhi (India), Kuala Lumpur (Malaysia), Cairo (Egypt), Kathmandu (Nepal), Thimpu (Bhutan).

### GENERAL INFORMATION

#### Official Language

- The official language for correspondence, paper submission, presentation, advertisement, etc., is English.

#### Travel Documents

- A valid passport with visa is required for entry into KAZAKHSTAN.

#### Accommodation

Participants of the conference are advised to make reservation, well in advance. The following Hotels are situated near by venue:

- Hotel Rixos
- Hotel Golden Palace
- Holiday Inn Express
- Double Tree by Hilton



### OFFICIAL TRAVEL PARTNER

For travel and accommodation related assistance please contact the official travel partner.

**Neeraj Kumar**, Regional Sales Manager: MICE, International Travel House Limited

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