

7th Best Practices Study Tour cum Training Program & International Workshop on

Battery Storage for Grid Stability & Renewable Integration

Date: 12th – 14th November 2025

Venue: Hyatt Hotel, Raipur, Magneto the Mall, N.H 6, Labhandi, Raipur, (C.G)-492001, India



Organized by



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INTRODUCTION

The Government of India is focusing on meeting the increasing energy demand through massive scaling up of its electricity generation from renewable energy sources. The Government of India has achieved 235.7 GW of installed power capacity from non-fossil fuel sources as on June 2025 and aims to achieve 500 GW by 2030.

As the world transitions towards a more sustainable energy future, energy storage has emerged as a key enabler in ensuring grid stability, energy security, and the seamless integration of renewable energy sources. Among various storage technologies, battery energy storage systems (BESS) have gained prominence due to their scalability, rapid deployment, and ability to address intermittency challenges associated with renewables.

To foster knowledge exchange and explore the latest advancements in battery storage solutions, CBIP is organizing a three-day Knowledge Sharing Session at Raipur and Rajnandgaon, bringing together industry leaders, policymakers, researchers, and technology providers. This will be followed by a Training program and Study Tour and Technical Visit, offering participants an opportunity to witness innovative energy solutions in action and engage in practical discussions on implementation strategies.

Topics & Subtopics

1. Global & National Perspective on Battery Energy Storage:-

- Trends and developments in battery storage technology
- Policy and regulatory landscape for energy storage in India
- Lessons from international projects and case studies

2. Storage for Grid Stability & Renewable Integration:-

- The role of BESS in enabling 24x7 renewable energy
- Grid-scale vs. distributed battery storage applications
- Case studies on battery storage in islanded and remote grids
- International trends and developments in battery storage technology

The study tour includes a technical visit to a BESS project at Rajnandgaon, which features “100 MW Solar PV Power Plant with 40 MW / 120 MWh Battery Energy Storage System (BESS)”.

The Solar Energy Corporation of India Limited (SECI), under the aegis of the Ministry of New and Renewable Energy, has successfully commissioned India's largest Battery Energy Storage System (BESS), which stores energy using solar energy. The 40 Megawatts (MW) / 120MWh BESS with a solar photovoltaic (PV) plant which has an installed capacity of 152.325 Megawatt hour (MWh) and dispatchable capacity of 100MW AC (155.02 MW peak DC) is located in Rajnandgaon, Chhattisgarh. The energy being supplied at Chhattisgarh state, thus contributing to meeting the peak energy demand of the state using green electrons and also towards its renewable purchase obligations. The project has been dedicated to the nation by Hon'ble Prime Minister Shri Narendra Modi on 24th February, 2024.

ANNOUNCEMENT

The Indo-German Energy Forum (IGEF), KFW and the Central Board of Irrigation and Power (CBIP) have taken a joint initiative of organizing the 7th Best Practices Study Tour cum Training Program and International Workshop on Battery Storage for Grid Stability & Renewable Integration from 12th – 14th November 2025 (Wednesday, Thursday and Friday) at Rajnandgaon, Raipur, Chhattisgarh. The Best Practices Study Tour cum Training Program and International Workshop will be beneficial for the participants to enhance their knowledge on Battery Storage for Grid Stability & Renewable Integration.

The program is slated to be attended by participants drawn from Central Power Utilities, State GENCOS, DISCOMS, State Transmission Utilities, State and Regional Load Dispatch Centers, State RE Departments, State Electricity Regulators, State Agriculture & Water Resources Organizations and other relevant stakeholders as well as from neighbouring countries.

OBJECTIVES OF THE STUDY TOUR

The objectives of the 7th Best Practices Study Tour cum Training Program are to:

- Provide the DISCOMS/Developers/STUs and other stakeholders and opportunity to share their experiences, and success stories and learn from the experiences of others.
- Discuss the important issues faced by the EPC contractors of products and services, of Energy Storage Solutions including Battery Energy Storage Systems (BESS) as well as yields and productivity.
- Discuss the regulatory and financial mechanisms required to provide the impetus of Energy Storage Solutions including Battery Energy Storage Systems (BESS)
- Learn the latest BESS technologies and processes and help in the development of strategic plans at the state level or company level and contribute to the net Zero blueprints.
- Create a network of professionals working in the “Energy Storage Solutions including Battery Energy Storage Systems (BESS)” domain.

PROGRAMME SCHEDULE

| Date: Wednesday 12th November 2025 | |
|---|---|
| Venue: Hyatt Hotel, Raipur, Magneto the Mall, N.H 6, Labhandih, Raipur, Chhattisgarh | |
| Contact No- 077-142 41234 | |
| Time | Description |
| 12:00 – 14:00 hrs. | Reporting of participants at the hotel |
| 14:00 – 17:30 hrs. | Visit of Historical and other places at Raipur |
| 17:30 – 19:00 hrs. | Registration and introduction with participants and briefing about program |
| 19:30 – 22:00 hrs. | Networking Dinner at Hotel |
| Date: Thursday 13th November 2025 | |
| 07:00 - 08:00 hrs. | Breakfast at Hotel |
| 08:30 - 11:00 hrs. | Visit at Rajnandgaon by bus |
| 11:00 - 13:00 hrs. | Technical visit BESS projects and interaction India's first Large Scale Utility – “100 MW Solar PV Power Plant with 40 MW / 120 MWh Battery Energy Storage System” at Rajnandgaon, Raipur. |
| 13:30 – 14:00 hrs. | Lunch at Site |
| 14:30 – 17:00 hrs. | Return at Hotel Hyatt, Raipur by bus |
| 19:30 – 22:00 hrs. | Networking Dinner at Hotel |
| Date: Friday 14th November 2025 | |
| Venue: Hyatt Hotel, Raipur | |
| 08:00 – 10:00 hrs. | Breakfast at hotel |
| 10:00 – 11:00 hrs. | International Workshop on Battery Storage for Grid Stability & Renewable Integration |
| 11:00 – 11:30 hrs. | Tea Break |
| 11:30 – 13:00 hrs. | International Workshop Continued |
| 13:00 – 14:30 hrs. | Net Working Lunch at Hotel |
| 14:30 – 15:30 hrs. | International Workshop Continued |
| 15:30 – 16:00 hrs. | Tea Break |
| 16:00 – 17:00 hrs. | International Workshop Continued |
| 17:00 – 17:30 hrs. | Concluding Session |
| 19:30 – 22:00 hrs. | Networking Dinner |
| Date: Saturday 15th November 2025 | |
| 08:00 -10:00 hrs. | Breakfast at Hotel |
| 12:00 hrs. | Check out from Hotel |

Note:

- Check-in time at Hotel Hyatt, Raipur is at 12 Noon onwards on Wednesday (12th November 2025).
- Check –out time at Hotel Hyatt, Raipur is at 12 Noon on Saturday (15th November 2025).
- Seats are very limited and on a first come first served basis. All interested participants are requested to confirm well in advance inclusive payments.
- If any participants are interested to come with their spouse kindly intimate well in advance.
- If any candidate likes to stay more days (before 12th November or after 15th November 2025 kindly intimate and book the venue hotel well in advance at bulk and negotiated rates.
- Directs flights are available from Delhi, Hyderabad, Mumbai, Kolkata and Bengaluru and back and it is also well connected by train.
- All participants are requested to bring their Aadhar Card and Official Identity Card.

THE DELEGATION PACKAGE INCLUDES

- Hotel Accommodation on a single occupancy basis – 5 star.
- Briefing of delegation before travel.
- Boarding and lodging for only three nights (12th November afternoon till – 15th November 2025 forenoon).
- Official tour for all transfers mentioned in the agenda.
- Professional guided tour facilities.
- Technical field visits to “100 MW Solar PV Power Plant with 40 MW / 120 MWh Battery Energy Storage System at Rajnandgaon”.
- All course materials and background information.
- Accompanied by professional coordinators and technical experts.

THE DELEGATION PACKAGE DOES NOT INCLUDE

- Transfers to and from Raipur Airport / Railway Station to Raipur Hyatt hotel – on the first and last day 12th and 15th November 2025.
- Cost for additional nights of hotel stay before 12th November and after 15th November 2025.
- Other expenses (e.g. additional meals, private consumption at the hotel, phone calls, laundry service, personal shopping, others etc.)

SPONSORSHIP OPPORTUNITIES

The International Workshop on “Battery Storage for Grid Stability & Renewable Integration” 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, Lunch and Dinner intervals. Sponsors assured of full visibility with printing of their names on Main Workshop banner and other publicity material related to International Workshop 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:

| Category of Sponsorship | Fee in Rs. | Free Delegates in the workshop | Benefits for Sponsorship |
|-------------------------|------------|--------------------------------|--|
| Platinum | 3,00,000 | 05 | <ul style="list-style-type: none">➤ Complimentary Advertisement in the W & E International Journal two consecutive issues.➤ Announcement -Thanking sponsor➤ Advertisement in others publicity materials➤ Company logo on main Backdrop and other banners➤ Circulation of Company Literature during the event |
| Gold | 2,00,000 | 03 | <ul style="list-style-type: none">➤ Complimentary Advertisement in the W & E International Journal in one issue.➤ Announcement -Thanking sponsor➤ Advertisement in others publicity materials➤ Company logo on main Backdrop and other banners |

IMPORTANT TOURIST PLACES IN RAIPUR



NANDANVAN JUNGLE SAFARI

Nandanvan Jungle Safari, Naya Raipur will provide pleasing experience to the visitors not only about the local wildlife but also about national wildlife. The exhibits care and awareness will be of such a level to promote conservation of wildlife. Nandanvan Jungle Safari will endeavour to breed the endangered species in a planned manner for display, exchange and rehabilitation in the wild. This safari will be a showcase of nature for the visitors, nature lovers and wildlife enthusiasts.



VIVEKANANDA SAROVAR (BUDHA TALAB)

Monumental, Magnificent, & Historical - Budha Talab (also known as Swami Vivekananda Sarovar) is among the Prominent Tourist attractions of the Raipur city. Carved by the Great kings of the Kalchuri line 600 years ago, It's said that Swami Vivekananda used to bath & swim in lake at the age of 14. Explore the serene views of Lake from Luxury Pontoon Boats through the Lush Green Pathway running in between the lake with betel nut trees standing tall on both side all the way to Garden in Heart of lake with a big monumental statue of Swami Vivekananda and a Temple of Budha Dev.



MAHANT GHASIDAS MEMORIAL MUSEUM

The Mahant Ghasi Memorial Museum in Raipur is a significant cultural and historical institution, showcasing the rich heritage of Chhattisgarh. Established in 1875 by Raja Mahant Ghasi, it houses a diverse collection of artifacts, including those related to tribal culture, natural history, and the British era. The museum's exhibits offer insights into the region's past, making it a valuable resource for researchers, historians, and tourists.



MAA BAMLESHWARI TEMPLE

Maa Bamleshwari Temple, also known as Badi Bambleshwari, is a Hindu temple located a top a 1600-foot hill in Dongargarh, Rajnandgaon district, Chhattisgarh. A smaller temple, Chhotti Bambleshwari, is situated nearby on the ground level. The temple is dedicated to Maa Bamleshwari, a form of Goddess Durga, and is a significant pilgrimage site, especially during Navratri. Devotees can reach the hilltop temple by climbing stairs or taking a ropeway.

REGISTRATION FORM

7th Best Practices Study Tour cum Training Program and International Workshop on Battery Storage for Grid Stability & Renewable Integration

Date: 12-14 November 2025 (Wednesday, Thursday and Friday)

Venue: Hotel Hyatt , Raipur, Magneto the Mall, N.H 6, Labhandih, Raipur, Chhattisgarh

Contact No- 077142 – 41234

We are proud to offer a complete special delegation package for your participation in the Technical Tour Visit at Rajnandgaon and International Workshop at Raipur, Chhattisgarh. Please complete the following registration form for participation.

| | |
|---|---|
| Name | |
| Designation | |
| Organization | |
| Address | |
| Telephone | |
| Mobile | |
| E-mail | |
| Website | |
| Date of Birth | |
| Company | Public Ltd. Gol Other |
| Working area of organization | |
| What are your expectations and special interest in this study tour? | |
| Package option | |
| <ul style="list-style-type: none">• Delegation Package INR 40,000 /- Plus 18% GST for Indian Delegates and 590 USD for Foreign Delegates.• Accompanying Person Charges @ Rs. 12,000 /- Plus 18% GST in Double Occupancy Basis and should be Wife/Son/Daughter Normally residing with the participants.• For non-residential participants @ Rs. 20,000/- Plus 18% GST per participant. | |
| Payment Options | |
| Cheque / DD in favour of: “Central Board of Irrigation and Power” New Delhi | |
| Sent to : Central Board of Irrigation and Power, Plot No-4, Malcha Marg, Chanakyapuri, New Delhi 110 021 | |
| or Via Bank Transfer to: | |
| Account holder name | Central Board of Irrigation and Power |
| Bank Name | HDFC Bank |
| Branch & Address | 209-214, Kailash Building, K.G. Marg, New Delhi -110 001 |
| Saving Bank Account No | 00031110004411 |
| Branch/RTG/NEFT/IFSC | HDFC 0000003 |
| MICR Code | 110240001 |
| Swift Code | HDFCINBBDEL |
| GST No. | 07AAAJC0237F1ZU |
| Cancellation Policy: After, 15 th October 2025, the entire delegate fees will be non-refundable. | |

STUDY TOUR SECRETARIAT

For further details, please contact the Study Tour Secretariat.

Shri A.K. Dinkar, Secretary Shri K.K. Singh, Director Shri Sanjeev Singh, Director

Central Board of Irrigation and Power, Malcha Marg, Chanakyapuri, New Delhi -110021

Phone: 011- 2611 6567/ 2687 6229/ 2688 2652/ Ext.161

Contact Person: Shri B. Dasgupta, M: 9911699689, E-mail: dasgupta@cbip.org

Smt. Madhu Dhingra, M: 9953966032, 9958759292 E-mail: madhu@cbip.org

Smt. Kakali Guha, IGEF, M: 09811913430, E-mail: kakali.guha@giz.de

Disclaimer: By filling out this registration form, your consent to its storage and use by IGEF, KFW and CBIP for further communication related to the study tour and other important developments in the Indo-German Energy scenario.