



# CENTRAL BOARD OF IRRIGATION & POWER An ISO 9001: 2020 Organization CBIP CENTRE OF EXCELLENCE

(More than 9 decades Service to the Nation in Power, Water and Renewable Energy Sectors)
www.cbip.org , training@cbip.org

# <u>Feedback received from the participants from similar course</u> conducted through Online.

#### Participants Feedback (From 1st Batch)

It was very Planned training that includes all the relevant topics in structured way. A very meaningful & cost - to money training program. Faculty was very knowledgeable in their subject. They explained from basics to the requirements of Industry. All sessions were very interactive & we had a great learning. We ensure to encourage others to join this skilled course

By Nitin Kumar Srivastava, (GE)

Appreciate the efforts of Team CBIP....Nice learning Experience.

By Shri P V Tayde, Govt. of Maharastra

Nicely covered all the aspects of Solar, Wind and Energy Storage, great learning

By Shri Neeraj Verma, CSPGCL

#### Participants Feedback (From 2nd Batch)

We have gained good knowledge in the renewable filed. Hope in future also you will also keep us updated in the sector.

By Sumit Anand, Damodar Valley Corporation

Training was excellent, very knowledgeable and made feel confident in undertaking the practical part of the Renewal Energy.

By Dhanunjaya Salla, International Energy Technik (U) Ltd

#### Participants Feedback (From 03rd Batch)

RE Development Course is module in such a way that everyone who seeks to get into Renewable Business and already in will get benefitted from this course. One more important and USP of this course is the Faculty. Amazing Faculty with Huge amount of Experience in this domain and very interactive and industry driven course. I missed 1 lecture out of 40 odd and I felt bad about it. Its that kind of course. Go and Grab the Knowledge about Renewable

- By Rohan Barge, Aker Solutions

Dear CBIP Team.

Training feedback......

First of all, it's a great honor to be part of this special course. I learned a lot, really. I am grateful to have the chance to participate in an online course like this.

I want to thank you & your team which was involved in the process of making this training session so productive. "I feel better equipped to manage after completing the course. This was my objective at the beginning."

I would to extend a warm thank you for organizing an amazing training session. Not only the session was very informative, very insightful & interactive and the discussion were truly inspiring. Presentations were interesting, good slides and vedios that kept us all engaged. The training was absolutely superb and I genuinely enjoyed each and every moment of it. The content was extremely informative and incredibly useful.

"Fantastic Trainer, very friendly and encouraging. All of the exercises were on a scale of good to excellent."

A wonderful experience and a handy course. The lecturers are great with a very nice way on interacting.

I'm so glad I enrolled in this course. I will surely recommend this training to all of my colleagues and friends.

Thank you so much once again. Despite my twenty two years of experience, I learned a lot from this course. I learned and benefited immensely from the course, as the course design is meticulously well planned.

With Warm Regards, Biswajeet Biswal

Dear CBIP Team,

The training was a high mixture of experienced faculty, real time solutions, existing and upcoming technologies which gave us a vast knowledge of Solar, Wind and Battery systems. I am happy to be a part of this session. Looking forward for these type of trainings. A big Thank you for the team who made this training successful. All the best team members.

By K.Bala Gopal, NTPC LTD

Dear CBIP Team,

Thank you for organizing this course. The course was highly informative and designed for professionals working in/ willing to switch to renewable energy field. The transfer of knowledge lead by CBIP by coordinating with such experienced faculties has lead to enrichment of all the participants. In the end very well concluded. Thank you once again.

By Neeraj Kakkar

Dear CBIP team,

First of all I would like to express my heart felt gratitude to CBIP team for arranging this course. It was a great experience with very experienced and learned faculties. Though I could not attend live sessions regularly due to my nature of job, and other obligations, but the classes I attended was really very interactive and interesting. The ppts and the recordings received are very useful. The course was very well planned and structured with excellent faculties. It will be a great help to all who are in this field..

Looking forward to more illuminating courses on the advancement of energy transition scenario.

Best wishes to my fellow participants.

Thank you so much CBIP team specially Jaideep Sir. □□□

By Arundhati Mukherjee, DVC

Dear CBIP Team.

As we all know that, we have to reduce the Carbon Emissions and be "the net zero Greenhouse Gas Emissions by 2070" ..

Such courses will help each and every individual to assess how we can help in reducing the emission in our place of work (whatever it may be) ..

The course was highly informative and was perfect for boty professional working in Conventional Energy switching it into RE field and also for the RE Engineering Personnel to excel in their respective Field ...

The faculties organized by CBIP were highly intellectual and all of the doubts concerned to the topic were cleared in the most sublime way ...

Thanks to CBIP and request them to conduct such Professional Courses/Capacity Building Programs in near Future

By Amit Kumar Saxena, Performance Optimization Group
MAHAGENCO

Dear CBIP Team

To interact with people having 30-40 years of experience in Renewable Technology field is a great opportunity.

I hope CBIP shall continue to organize such courses in future also

Overall a good learning experience.

Thanks Team CBIP.

## 06 Months Post Graduate Diploma Course in Renewable Energy including Grid Integration & Energy Storage System

#### About Central Board of Irrigation and Power (CBIP)

**Central Board of Irrigation & Power (CBIP)**: Central Board of Irrigation and Power, is a Premier Institution set up by the Government of India in the 1927. CBIP has been rendering dedicated services to the professional organization, engineers and individuals in the country related to Power, Water Resources and Renewable Energy Sectors for the last 93 years. CBIP has grown into an eminent organization of international importance while serving the nation equally with great distinction. CBIP is Indian chapter for 10 international organizations related to Power & Water resources sectors.

CBIP has been recognized as Grade A, Category-I training institute for providing training in the field of Hydro, Thermal, Transmission and Distribution and Power Management etc. by Ministry of Power, Govt. of India. CBIP is also an authorized Training Partner of Power Sector Skill Council (PSSC) and Skill Council for Green Jobs (SCGJ)

#### **About the Course**

The course is designed to align with the selected approved National Occupational Standards (NOS)/ Qualification Pack (QPs) of Skill Council for Green Jobs. The course is very practical oriented including site visits, hands on, class room lectures by highly experienced faculties having high placement opportunities etc.

This course aims is a better understanding and practical exposure in the various areas of RE sector viz. solar, wind, small hydro including grid integration, power distribution, energy storage system etc.

The participants will be groomed as per the requirements of the RE sector including power distribution, Energy Storage system and after completion of the course the candidate will have job opportunities & can also work as a consultant/entrepreneur.

#### Course Duration & its Methodology

The duration of the course would be 06 months which will include the class room sessions as well as on-the-job training/site visit of various power plants. Visit to some reputed manufacturing site shall also be arranged. To enhance the personal skills, some inputs of Management are also to be given to the students.

### **Course Contents (Indicative list)**

- Power Sector Familiarization including Renewable Energy
- Safety Management
- Basic of Electrical Engineering Fundamental
- Renewable Energy Technologies
- Solar Energy Technology: Fundamentals and Applications
- Solar PV Plant: Planning & Designing including Balance of Systems
- ➤ Introduction to Solar Thermal and its Applications
- Solar PV and Thermal Power Plant Grid Integration Related Issues
- Concept of Agri Solar
- Wind Energy Technology and Developments

- Wind Farms- Planning & Designing, Troubleshooting, O& M
- Offshore Wind Energy
- Hybrid systems
- Hydro Power Planning, Designing and Commissioning including Small Hydro
- Introduction of Bio Mass and Waste to Energy
- Introduction of Substation Equipments
- Smart Grid and Smart Meter
- SCADA and Automation
- Renewable Energy Grid Integration- Issues & Challenges
- Renewable Energy- Govt. Policies and legal framework (Solar/Wind/Biomass/Small Hydro)
- Power Trading
- Power Scheduling Load Dispatch
- Financing of Renewable Energy Projects
- Energy Storage System: Technologies and its Applications
- Pumper Storage System
- Concept of e-Mobility and Charging Infrastructure
- Concept of Hydrogen cell
- New Initiatives in Renewable Energy
- Project Management
- Contract & Procurement Management
- > Inventory Management
- > Tariff and Commercial Aspects
- Managerial and Interpersonal Skills
- Site visits
- Software Training on Solar PV Syst
- Project Work

#### **Class Timings**

10:00 AM -5:00 PM Daily (Monday to Friday), Lunch 1:00 PM -2:00 PM, Two-time Tea/ Coffee 15 Minutes break 11:15 AM and 3:15 PM.

### **Career Opportunities**

- Renewable Energy Sector
- Solar, Wind, ESS EPC Sector
- O&M of Power Distribution Sector
- Engineering Consultancy
- Infrastructure Sector
- Entrepreneurship

#### Training/CBIP Features:

- Training under Brand name of CBIP, which is 95 years old organization into dissemination of knowledge in Power, Irrigation & Renewable sectors and allied fields.
- CBIP has a great networking and close relations with all reputed utilities of these sectors
- ➤ CBIP has also signed a Memorandum of Understanding (MoU) with Indian Electrical and Electronics Manufacturers Association (IEEMA) which has a network of around 650 member organizations.
- > Job Oriented Training Program as per Demands of current Industry
- Faculty members have rich Industrial experience
- Site visits will be arranged of reputed Companies.
- Preparation for Interview and placement assistance

#### Why you should Join the Course?

In September 2019, Hon'ble Prime Minister Shri Narendra Modi, announced long-term ambitious RE targets of 450 GW by 2030 moving beyond the target of 175 GW by 2022. Aligning with the goals of Central Government, India's RE rich States are expanding the RE capacity and generation which definitely require these RE rich States to develop a holistic understanding of full range of flexibility options for RE integrations.

It is estimated that additional huge trained manpower would be required to meet the target.

Keeping this aspect in view, CBIP has taken this initiative to launch the 06 Months Post Graduate Diploma Course in **Renewable Energy Sector including Grid Integration and Energy Storage System** is modular course for engineers who would be groomed as per the requirement of industries.

OF IDD

#### Who can Apply

- > B.Tech/BE or its equivalent in any branch of Engineering
- > EPC contractors
- PSU/State Government Executives
- Solar/Wind Entrepreneurs

Those appearing in their final semester can also apply. However, they must submit their diploma/provisional degree at the time of counseling/start of the course.

#### Selection Criteria

The students will be shortlisted based on the marks of 10th /12th/Diploma/Degree, merit wise list of the selected candidates will be declare in CBIP web site. Admission shall be subject to strict verification of all the original testimonials/documents and deposing of the required fees.

#### **Course Fee**

For Sponsored Candidates:

**Rs. 1,25,000/-** including GST and excluding lodging & boarding (Payable in two installments Rs.85,000/- and Rs.40,000/-)

For Non Sponsored Candidates

**Rs. 1,00,000/-** including GST and excluding lodging & boarding (Payable in two installments Rs.60,000/- and Rs.40,000/-)

#### Note:

- Fee once deposited will not be refunded.
- Fee also includes arrangement of working lunch at the institute during working days.

#### **Lodging & Boarding**

- The hostel accommodation has been arranged by CBIP to facilitate the students to get properly set at new place. However, the students are welcome to make their own arrangements.
- The accommodation will be provided on triple sharing basis. The charges of hostel are Rs.6500-7000/month (Approx) which also includes the charges for breakfast and dinner daily and lunch for Saturday, Sunday and CBIP holidays.
- Separate accommodation of hostel for female candidates is available
- As the seats in the hostel are limited the same we filled on first- cum -first basis.

#### **Loan Facility**

The candidates who get confirmed admission and wish to avail loan from a Bank/Financial institute may also take a certificate from CBIP for availing the same.

#### **How to Apply**

Application may be submitted through online at CBIP website i.e. www.cbip.org

#### **Important Dates**

Sl. NO.	DESCRIPTION	10.	DATES
1	DATE OF ADVERTISEMENT IN EMPLOYMENT NEWS/LOCAL NEWS		18-06-2022
2	LAST DATE OF ONLINE APPLICATION	60	15-07-2022
3	STARTING OF COURSE		01-08-2022

#### Training Location - How to reach

CBIP Centre of Excellence, Plot No-21, Sector-32, Gurgaon-122001

Gurgaon, is the second largest city in the Indian state of Haryana and is a part of the National Capital Region (NCR). It is about 15 Kilometers from IGI Airport, New Delhi. Gurgaon is well connected to Delhi via an expressway (NH8 highway) and Delhi Metro.

### Address for Correspondence

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

#### **Nodal Officers:**

Mr. Jaideep Singh, Sr. Manager (T), Mob: 09871718218, E Mail: jaideep@cbip.org

CBIP, Centre of Excellence, Plot No-21, Sector-32, Gurgaon, Haryana-122001 Tel No: 0124-4380272, 4035267 E-mail:training@cbip.org

# New Delhi ISO 9001:2015