



भारत सरकार  
Government of India  
विद्युत मंत्रालय  
Ministry of Power  
पूर्वी क्षेत्रीय विद्युत समिति

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Azadi Ka  
Amrit Mahotsav



## Eastern Regional Power Committee

14, गोल्फ क्लब रोड, टालीगंज, कोलकाता-700033

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No. ERPC/PSDF(2)/Training/2022/ 347

Date: 13.06.2022

To

As per Distribution List

**Sub: Training Programme for Power System Engineers of various constituents of Eastern region-Under the capacity building programme from PSDF-reg**

Sir/Madam,

You may be aware that ERPC Secretariat has entered into an agreement with Asia Institute of Power Management (AIPM) Kolkata, a training & consultancy wing of M/s CESC Ltd to provide training to engineers from various utilities of Eastern Region. There are total 8 nos. of training programme (with batch size of 35 nos.) which is funded under the scheme "Capacity Building Programme" from PSDF. The 4<sup>th</sup> batch of training programme was held from 02.03.2020 to 06.03.2020 at AIPM in which around 35 nos. of participant from various utilities attended the programme. Subsequently the training programme could not be continued due to outbreak of Covid-19.

In 45<sup>th</sup> ERPC Meeting held on 26.03.2022, ERPC secretariat was advised to coordinate with AIPM for conducting the remaining four nos. of training programme.

It is now decided to hold the 5<sup>th</sup> module(batch) of training programme from 04.07.2022 to 08.07.2022 (5 days) at AIPM, located at 2A, Lord Sinha Road (Opposite to Sakhawat Memorial Govt. Girls' High School), Kolkata-700071 for the benefit of power system engineers from the utilities of ER.

The training schedule is enclosed at Annexure-A.

It is therefore requested to kindly nominate one(1) or two(2) Engineers from each utility (preferably young engineers working in the relevant field) to attend the training programme commencing from 10:00 hrs of 04.07.2022 (for 5 days) at AIPM, Kolkata. The thermal power generating utilities may nominate one or two engineers from each of their individual plant location. The training programme is free of cost for the participants. However, they will have to make their own arrangements for boarding & lodging during the training period.

A line of confirmation regarding nomination of the participants (Name, Designation, E-mail, Mobile no etc) may please be sent to ERPC Secretariat positively by 24.06.2022 at [erpc-protection@gov.in/mserpc-power@nic.in](mailto:erpc-protection@gov.in/mserpc-power@nic.in). Further, participants who wish to avail accommodation at ERPC Guest house may intimate accordingly. The following coordinator may be contacted in case of any query:

1. Kumar Satyam, AD-II, ERPC, Mob: 7355225072, E-mail: [satyam.24365@gov.in](mailto:satyam.24365@gov.in)

Nominations received from the organizations and subsequently confirmed by ERPC Secretariat shall only attend the training program.

Yours faithfully,

(N.S. Mondal)

Member Secretary

**Distribution:**

1. Director (Project), Jharkhand Urja Sancharan Nigam Limited, Engineering Building, HEC, Dhurwa, Ranchi-834004
2. Chief Engineer (S&D-JBVNL), Jharkhand Urja Vikas Nigam Limited, Engineering Building, HEC, Dhurwa, Ranchi-834004.
3. General Manager, Tenughat TPS, Lalpania, Dist- Bokaro, Jharkhand-829149.
4. Director (Tech.), Bihar State Power Generation Company Limited, Vidyut Bhavan, Bailey Road, Patna-800001.
5. Chief Engineer (Commercial), Bihar State Power Holding Company Ltd., Vidyut Bhavan, Bailey Road, Patna-800001.
6. Director (Operations), West Bengal State Electricity Transmission Company Ltd., Vidyut Bhavan, 8<sup>th</sup> Floor, Block-DJ, Sector-II, Bidhannagar, Kolkata-700091.
7. Director (O&M), WBPDL, Bidyut Unnayan Bhavan, 3C, Block-LA, Sector-III, Bidhannagar, Kolkata-700098.
8. General Manager (Technical), Durgapur Projects Ltd., Administrative Building, Durgapur, West Bengal-713201.
9. Director (Operation), Odisha Power Transmission Corporation Ltd., Janpath, Bhubaneswar - 751022.
10. Director (Operation), Orissa Power Generation Corporation Ltd, Zone-A, 7<sup>th</sup> floor, Fortune Towers, Chandrasekharpur, Bhubaneswar-751023.
11. Executive Director (Commercial), Damodar Valley Corporation, DVC Tower, VIP Road, Kolkata-700054.
12. Regional Executive Director (ER-I), NTPC Ltd., 2<sup>nd</sup> floor, Lok Nayak Jai Prakash Bhawan, Dak Bunglow Chowk, Patna-800001.
13. Regional Executive Director (ER-II), NTPC Ltd., 3<sup>rd</sup> Floor, OLIC Building, Plot No.N-17/2, Nayapalli, Bhubaneswar-751012.
14. Executive Director (ER-I), Power Grid Corporation of India Ltd, Board Colony, Shastri Nagar, Patna-800023.
15. Executive Director (ER-II), Power Grid Corporation of India Ltd, CF-17, Action Area-I, Newtown, Rajarhat, Near Axis Mall, Kolkata-700091.
16. Executive Director (Odisha Project), Power Grid Corporation of India Ltd, Plot No-4, Unit 41, Niladri Vihar, Chandrasekharpur, Bhubaneswar, Odisha-751021.
17. Executive Director, ERLDC, POSOCO, 14 Golf Club Road, Kolkata –700 033.
18. Station Head & General Manager (O&M), Maithon Power Ltd., Village-Dambhui, P.O. Barbindia, Dist.-Dhanbad, Jharkhand-828205.
19. Director, Adhunik Power & Natural Resources Ltd., Lansdowne Towers, 5<sup>th</sup> Floor, 2/1A Sarat Bose Road, Kolkata-700020.
20. VP & Head (O&M), GMR Kamalanga Energy Ltd., AT/PO-Kamalanga, PS-Kantabania, Via-Meramundali, Dist.-Dhenkanal, Odisha-759121.
21. Chief Operating Officer, Jindal India Thermal Power Limited, Plot No-12, Sector-B1, Local Shopping Complex, Vasant Kunj, New Delhi-110070.



# Training Module on “Resource optimisation & Efficiency Improvement in Power System Operation”

**Date: 4<sup>th</sup> to 8<sup>th</sup> July 2022**

## **Day 1**

### **Session 1**

#### **A synopsis of Indian Power Sector**

- Sectoral preview of Generation, Transmission, Distribution & allied challenges

#### **Energy Resources in India**

- Fossil fuel and Renewables
- Transmission network and green corridor

### **Lunch**

### **Session 2**

#### **Optimisation of Input Resources in thermal sector**

- Management of fuel input
- Efficient Fuel Handling and Cost Optimization
- Coal Procurement and transportation process
- Import coal in Indian Scenario

## **Day 2**

### **Session 1**

#### **Efficiency improvement in thermal sector**

- Boiler Efficiency
- Turbine efficiency
- Resource optimisation

### **Lunch**

### **Session 2**

#### **Visit to Coal Testing Lab**

Details of Coal testing in Bomb Calorimeter & GCV assessment

## **Day 3**

### **Full Day**

#### **Visit to Budge Budge Generating Station**

Details of generation process along with coal and ash management

Visit to simulator system

## **Day 4**

### **Session 1**

#### **Application of O&M practices: Managing critical assets**

- Modern maintenance practices in power sector
- SOP for maintenance and maintenance planning
- Defect Identification and root cause analysis
- Condition monitoring & Condition based maintenance
- General safety aspects





**Lunch**

**Session 2**

**Visit to a solar plant**

Technical discussions on efficiency improvement practices

**Day 5**

**Session 1**

**Power Market and Cost Optimisation**

- Long term and short term power market
- Operation of Power Market
- DAM, TAM, GTAM and associated issues

**Lunch**

**Session 2**

**Environment Management Systems**

- Environment Management Plan and Monitoring
- ESP and techniques of performance enhancement
- Zero Effluent System
- Management of Air and Water of Vicinity
- FGD Applications

**Session 3**

**Feedback and Valedictory Session**

