



# Gujarat Industries Power Co. Ltd

## OPERATION & MAINTENANCE PHILOSOPHY OF CFBC THERMAL POWER PLANT

### **Program Overview and Objective:**

India have vast reserves of lignite and other low grade coal particularly in states like Tamilnadu, Gujarat & Rajasthan. One of the most productive utilization of this low calorific value fossil fuel is generation of power. Due to many inherent advantages including environmental aspects, Circulating fluidized Bed Combustion (CFBC) technology is considered as most suitable for generation of steam and being now extensively used by Power Utilities in India and abroad.

GIPCL being one of the pioneer in using CFBC technology in India have identified significance of prudent O&M practice for sustained and reliable operation of such plant in ABT regime. This course covers various aspects of operation and maintenance as mentioned hereunder of CFBC Boilers in general and BHEL- LLBGMBH design CFBC boilers in particular.

### **Contents:**

- Overview, Basics & Details of CFBC Technology
- Start-up & Shut-down Procedures
- CFBC Boiler & Turbine Protection & Interlocks
- Maintenance Practices in CFBC Boilers
- Over View of Electrical Systems & Protections
- Boiler Tube Failure Analysis-case studies
- Ash handling
- O&M-Challenges, issues in Lignite & Limestone Handling
- Energy Conservation approach in CFBC Thermal Power Plant

### **Training Methodology:**

- Classroom training
- Interaction
- Case Studies
- Plant Visit

**Recommended for:** Junior / Middle level O&M engineers working in CFBC Thermal Power Plants.

**Duration of Course** : 3 Day

**Date** : Please refer Training Calendar

**Type** : Residential

**Course Fee** : Rs.12000 + Applicable Taxes

**Venue** : Gujarat Industries Power Company Limited  
Surat Lignite Power Plant (SLPP),  
P.O Nani-Naroli, Dist: Surat.

For Nominations:

[Registration Form](#)

**OR**

Contact:

Mr. D M Chandarana (Dy. General Manager)

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