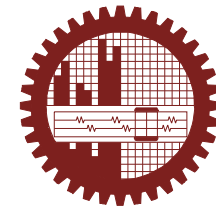


**Short Course**  
**On**  
**Power Generation**  
**6-8 February 2011**

**Short Course**  
**On**  
**Power Generation**  
**6-8 February 2011**

**Short Course**  
**On**  
**Power Generation**  
**6-8 February 2011**



**Contact Person**

Prof. Dr. Md. Ashraful Islam  
Director  
Centre for Energy Studies (CES)  
BUET, Dhaka 1000, Bangladesh  
Tel: 880 2 9665650-80/ ext.7304  
Fax: 880 2 8613046  
E-mail: [dirces@buet.ac.bd](mailto:dirces@buet.ac.bd)  
Web page: [www.buet.ac.bd/ces/](http://www.buet.ac.bd/ces/)

**Jointly Organized by**

Centre for Energy Studies  
and  
Department of Mechanical Engineering  
Bangladesh University of Engineering and  
Technology (BUET)  
Dhaka 1000, Bangladesh

## Background

The Centre for Energy Studies (CES), BUET works at promoting education and research, organizing seminars, symposia, training workshops and short courses, publishing journal and books on energy related interdisciplinary matters. Department of Mechanical Engineering, BUET provides expert services in advisory, consultancy, research and testing to individuals as well as industries in various power generation issues.

Power generation is the process of producing electricity from primary fuels. The demand for power is ever escalating in the world. In this aspect prevailing energy crisis and gas supply shortage are major impediments of Bangladesh. Continuation of present crisis will cause collapse in our export business and serious adverse impact would be created to our economy which has just started bleeding. To overcome from this vulnerable situation, government has pledged to increase the power generation from the present 4000 MW to 7000 MW during the government's five-years tenure. Therefore, a thorough knowledge on power generation and inspection is the key to sustainable development.

With the above view in mind, CES and Mechanical Engineering Department, BUET are going to organize a short course on Power Generation.

## Objectives

To provide clear understanding of both global and local power generation scenario and to gather knowledge of the participants about the development and maintenance of power plant.

## Contents

The contents of the course are as:

1. Power Generation Scenario of Bangladesh
2. Power Plant Procurement Policy and Practices in Bangladesh
3. Important Issues in Developing Bids for Power Projects
4. Introduction to Coal Power Plant
5. Power Plant Pumps, Heat Exchangers, Fans
6. Power Plant Generators and Transformers
7. Energy Efficiency in Power Plants
8. Coal Fired Power Plants: Bangladesh Experiences
9. Methods of Assessment and Inspection of Older Power Stations

## Target Groups

The target groups are: engineers, managers, management personnel from power plants and power generating equipments Suppliers, food and pharmaceutical industries, steel re-rolling mills, cement factory, big electrical and mechanical industries.

## Resource Persons

Key resource persons for the course comprise experts from Power plants (USA, BPDB) and academics from BUET.

## Course Duration

Duration: 3 days (3:00 pm to 7:30 pm)

Date: 6-8 February 2011

## Course Venue

The course will be held at Bangladesh University of Engineering and Technology (BUET), Dhaka-1000, Bangladesh.

## Certificate of Attendance

Certificate of participation will be issued to the participants at the end of the short course.

## Course Fee

Course registration fee for is Tk. 6,000/- for each participant payable in advance in the form of a bank draft/pay order in favor of "Director, BRTC, BUET". The course registration fee includes tea/coffee during breaks, and course materials.

## Dead Line of Application

Nominations and applications of participants in the short course should reach to the Director, Centre for Energy Studies (CES), BUET by **31 January 2011** (Monday).