



Fact Sheet

# STEAG Power Plant Learning Center

The Training Services division of STEAG Energy Services India is equipped with state of the art Power Plant Simulators and other facilities to effectively provide fresh engineers and experienced professionals with skills & know how that are crucial to improve operation and enhance efficiency.

The center, located at Noida, India is recognized by Central Electricity Authority (CEA), Government of India for providing mandatory training in Operation and Maintenance of Thermal Power Plants under the Indian Electricity Rules.

## State of the art training facilities include

- Variety of Simulators
  - 800 MW PF Generic Supercritical
  - 720 MW GE Frame 9FA Simulator
  - 430 MW Generic Combined Cycle
  - 600 MW PF Generic Coal based (Chinese Machine)
  - 195 MW PF Generic Coal based
  - 660 MW PF-ABB-Bailey
  - 660 MW PF Generic Supercritical
  - 250 MW Generic Hydro Simulator
  - 50 MW Generic Solar Thermal
- Model room
- Classrooms with Audio-Visual aids for Theoretical Training
- Lab with Calibrated Testing Equipments and Testing Facilities
- Library with latest books and journals

## Practical Training

Comprehensive practical training is arranged for coal-fired, gas-fired & co-generation power plants.

## Faculty

The center has 20 core & part-time faculties with an average experience of more than 20 years in power sector, many of them are post-graduates in Mechanical, Electrical or Control & Instrumentation. In addition to nominated faculty, STEAG's experts from power plants and the engineering division also provide training inputs in specialized areas to bring practical knowledge to the trainees.



## Customization is our strength for any module

### Competency Development Program

Organization-wide integrated learning and development initiatives aimed at achieving corporate objective through people & process development.

### Training Programs conducted

- One year (52 weeks) Graduate/Diploma Engineers Induction Program
- Specialized Training Programs
  - Operation of Thermal Power Plants
  - Maintenance of Thermal Power Plants
  - Emergencies & Troubleshooting in Power Plants
  - Fuel Analysis & Management
  - Power Plant Chemistry
  - Performance Guarantee (PG) tests
  - Safety in Power Plants
  - Environmental aspects in Power Plants
  - Efficiency Calculations & Monitoring
  - Energy Auditing (PAT)
  - Condition Based Monitoring (CBM)
  - Project Management in Power Sector

- Engineering aspects in Power Plants
- Renewable Energy
- Flexibilization in Thermal Power Plants
- Power Quality Management (PQM)
- Indian Grid Code and Interface with Power Plants
- Commercial aspects of Power Plants
- Tariff Norms for Thermal Power Plants
- Study visits
- Workshop & Seminar

These courses are offered at the Power Plant Learning Center, Noida, India or at pre-selected sites upon request.

### Other Services

The Training division also undertakes customer-specific training for analysis and assessment, assessment of effectiveness of training & development initiatives, interventions & design of customer specific HR initiatives including performance assessment, appraisal and organizational development.

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