

## **Diesel Plant Operating Engineer Second Class**

### **Qualifications**

Minimum age - 20

Education - High School Diploma, GED or Equivalent

Experience - Three years

Minimum time in previous grade – One Year

Examination - Written (Oral or Practical when necessary)

Maximum Refrigeration or Air Conditioning (Unsupervised) – 1000 tons

### **Curriculum at the Minimum:**

- Fuel Storage and Preparation
- Fuel Injection System
- Starting System
- Lube Oil System
- Governor System
- Primary and Secondary Cooling Systems
- Exhaust System
- Heat Recovery Systems
- Turbo Chargers
- Generator Construction
- Power Generation
- Principles of A.C. Generation Speed and Frequency
- HVAC Systems
- Compressed Air Systems
- Spill Prevention and Countermeasures
- Diesel Engine Operational Safety