REFERENCE SYLLABUS

For

Steam Turbine Operator (1st Class)
Introduction

This Syllabus is intended to assist candidates studying for the Steam Turbine Operator Examination.

Recommended Study Program:
It is recommended that, before undertaking this examination, the candidate completes Power Engineering Course of study, offered through a recognized and approved technical institute or training provider which addresses the Syllabus Outline.
Reference Syllabus for Steam Turbine Operator (1st Class) Examination Candidates

**Topic 1 Steam Turbine Theory and Construction**
**Topic 2 Steam Turbine Auxiliaries and Control**
**Topic 3 Steam Turbine Operation and Maintenance**
**Topic 4 Steam Condensers**
**Topic 5 Lubrication**
**Topic 6 Piping**
**Topic 7 Rotating Equipment Maintenance**
**Topic 8 Rotating Equipment Monitoring**
REFERENCE SYLLABUS

For

Steam Turbine Operator (2nd Class)
Introduction

This Curriculum is intended to assist candidates studying for the Steam Turbine Operator (2nd Class) Examination.

Recommended Study Program:
It is recommended that, before undertaking this examination, the candidate completes Power Engineering Course of study, offered through a recognized and approved technical institute or training provider which addresses the Syllabus - Curriculum Outline.
Reference Curriculum for Steam Turbine Operator (2nd Class) Examination Candidates

**Topic 1** Introduction to Piping and Pipe Fittings  
**Topic 2** Introduction to Valves  
**Topic 3** Introduction to Steam Turbines  
**Topic 4** Steam Turbine Principles and Design  
**Topic 5** Steam Turbine Auxiliaries and Operation  
**Topic 6** Turbine Condenser Systems  
**Topic 7** Cooling Towers  
**Topic 8** Introduction to Instrumentation  
**Topic 9** Introduction to Process Measurement  
**Topic 10** Basic Control Loop Components  
**Topic 11** Lubrication Principles  
**Topic 12** Types of Bearing Lubrication