

LIST OF FIGURE

NAME	PAGE
Chapter 1. Steam power plant	01-03
Fig 1-1: Diagram of a steam power plant	01
Fig 1-2: Block diagram of a steam power plant	02
Fig 1-3: Block diagram of a steam power plant	03
Chapter 3. Operation of Boilers	15-24
Fig 3-1: Boiler Plant Flow Diagram.	09
Fig 3-2: A superheated boiler on a steam locomotive.	13
Fig 3-3: Tray-Type Deaerating Heater (Cochrane Corp.).	17
Fig 3-4: Tray-Type Deaerating Heater (Graver).	18
Fig 3-5: Cooling Tower.	19
Chapter 4. Steam Turbine	25-42
Fig4-1: A Siemens steam turbine with the case opened.	25
Fig 4-2: A rotor of a modern steam turbine, used in a power plant.	28
Fig 4-3: Steam turbine	29
Fig 4-4: runner and bucket of impulse turbine.	31
Fig4-5: reaction turbine.	32
Fig 4-6: Typical velocity triangles for a single turbine stage.	34
Fig 4-7: Graphic Coupled steam turbine. source: Helmut Hütten, "Motoren", Motorbuchverlag Stuttgart,	35
Fig 4-8: Asymmetric airfoil.	37
Fig 4-9: Features.	39

Fig 4-10: balance and performance parameters.	40
Chapter 5. Generator	43-47
Fig 5-1: General Electric Steam Turbo generator.	43
Fig 5-2: Steam generators.	45
Fig 5-3: An industrial boiler, originally used for supplying steam to a stationary steam engine	46
Chapter 6. Instrumentation and Controls	48-53
Fig6-1: Power Plant Control Panels.	52