

Turbine Governing System for operation engineer

Objective:

This program aims to provide basic understanding of the functioning of steam turbine governing system, the need for speed, load and pressure governing, along with various protections available in high-capacity turbines. After the program, participants will be able to do rolling to synchronization confidently.

Participant Benefits	Duration
After this programme the participant will be able to : <ul style="list-style-type: none">• Understand the basics of governing and types of governing methods.• Appreciate the working of trip gear, starting device, speeder gear, hydraulic / electro-hydraulic converter etc. of KWU turbines.• Gain understanding about various oil signals associated with turbine governing system.• Understand the turbine rolling methods in hydraulic and electro-hydraulic governors.• Understand the working of various turbine protection systems such as over-speed, low vacuum etc.• After attending the program, participants will be able to do rolling and take corrective actions during operation	Duration: 3 Days At Durgapur
Course Coverage	Target Audience
Major topics that will be covered during the course: <ul style="list-style-type: none">• Basics of Turbine Governing System- Types of Governor,• Functions of Governor, Basic hydraulic Circuit of Governing System.• Various Devices used in Governing and their Practical applications.• Hydraulic and Electro hydraulic Governing – Speed, Load, Pressure Controller and their practical applications in rolling, synchronization and Loading of Turbine.• Special Aspects like DN/DT, Droop, Isolated Grid, Trim device, LSR• Turbine Mechanical / hydraulic and electrical Protections• Automatic Turbine Test• Turbine Rolling through Electro Hydraulic and Hydraulic Governing system• Automatic Turbine Run up system (ATRS)• TSE,TSI and other aspects of Turbine rolling	Executives from technical area
	Course coordinator
	HOHR Durgapur in coordination with O&M