1. Course Details:

Course Code : ICPE-006
Course Title : Control Valve Maintenance & Troubleshooting
Course Duration : 5 Days

2. Course Overview:

- Control Valves course highlights the most important features and characteristics of control valves and actuators. Combinations of valves and actuators are used in just about every process around the world, and the proper understanding and utilization of them is crucial to efficient operations and control. Course designed in such a way as to empower delegates to think practically about valve and actuator installations, maintenance and troubleshooting in a manner that allows them to consider, select and install the best piece of equipment for the application at hand.

3. Learning Outcomes:

- Valves are an increasingly vital component of modern Power Generation Plants around the world. Well–selected and maintained control valves increase efficiency, safety, profitability, and ecology. The course offers an introduction to control valves including definitions for common control valve and instrumentation terminology
- Develops the vital topic of control valve performance. Covers valve and actuator types. Gives a comprehensive guide to selecting the best control valve for an application. Covers the selection and use of special control valves
- Offers typical control valve installation and maintenance procedures. Includes information on control valve standards and approval agencies throughout the world

4. Course Contents:

- Basics and nomenclature
- Introduction to Control Valves
- Sizing of Valves for liquids, steam and gases
- Actuator sizing and specification
- Problems in control Valves and remedies
- Noise and Cavitation's in Control Valves
- Maintenance and Troubleshooting
- Testing of Control Valves
- Control Valves for Power Plants
- Smart positioners / Valves
- Control Valve Performance

- Valve and Actuator Types
- Control Valve Accessories
- Control Valve Selection
- Special Control Valves
- Steam Conditioning Valves
- Installation
- Valves NDT tests
- Standards and Approvals
- Engineering Data
- Pipe Data

5. Our Methodology:

- Make coaching and monitoring innovative and using modern
- Media training also using on the go training by using interactive means and focusing on
- The exercises, practical applications and real situations study.
- Live delivery method, instructor-led training.
- Experienced consultant, trainers, and professional.
- Qualified trainer with high-level experience

6. Attendance Reports:

- Send daily attendance reports to trainingdep
- Send full attendance report to training dep. by the end of thecourse
- Attend 100 % from the course days also providedaily
- Issue attendance certificate for participant who attend minimum 80% from the course duration

7. Pre/Post Reports:

- Pre- assessment before starting training.
- Post assessment after finish training
- Full report for the deferent between Pre-& Post assessment

8. Who Should Attend?

- Professionals involved in engineering, inspection, Maintenance and Troubleshooting