

# **TROUBLE SHOOTING AND MAINTENANCE**

## **TROUBLE SHOOTING:**

Troubleshooting is a form of problem solving, often applied to repair failed products or processes on a machine or a system. It is a logical, systematic search for the source of a problem in order to solve it, and make the product or process operational again. Troubleshooting is needed to identify the symptoms. Determining the most likely cause is a process of elimination—eliminating potential causes of a problem. Finally, troubleshooting requires confirmation that the solution restores the product or process to its working state. In general, troubleshooting is the identification or diagnosis of "trouble" in the management flow of a system caused by a failure of some kind. The problem is initially described as symptoms of malfunction, and troubleshooting is the process of determining and remedying the causes of these symptoms.

## **SCOPE OF TROUBLE SHOOTING AND MAINTENANCE IN TICI**

- Industrial Control Circuit and power System
- Process Control Loop Tuning and Re-ranging of Process Instruments
- Machine alignment and Leveling
- Non Destructive Testing for metals
- Heavy Rotating Machine Fault Finding and Remedy
- Motor Fault Finding and Remedy
- Motor and switch gear related fault diagnosis, repair and maintenance
- Cable Earth Fault Location finding.
- Process Operation Solutions by Field Analysis
- ETP Fault analysis and Solution

## **STRATEGY FOR TROUBLE SHOOTING AND MAINTENANCE OF TICI**

- A Team of Experienced Recourse Person ( Process Operation Technology Department, Instrumentation & Control Engineering Department, Electrical & Electronic Engineering Department, Mechanical Engineering Department, Analytical Chemistry and Environmental Science Department, Industrial Safety and Health Department and Computer and Information Technology Department) are working for Trouble Shooting.

- Latest Measuring and Testing Instruments used for Trouble shooting and Maintenance Job.
- TICI Recourse Person are Continuously Fault analyzing with different fields of Industries and find out solutions for particulars.
- Foreign and Local Training for Recourse Person to Buildup Knowledge.
- Teamwork's and Group discussion about Fault.