1. Course Details:

Course Code : EPET-004
Course Title : Motor Protection, Control and Maintenance
Course Duration : 5 Days

2. Course Overview:

- Electrical drives and other rotating equipment consume about 50% of the total electrical energy consumed in the world today. The cost of maintaining electrical motors can be a significant amount in the budget item of manufacturing and mining industries.
- Course gives you a thorough understanding of electrical motor's working, maintenance and failure modes and gives you the tools to maintain and troubleshoot electrical motors.

3. Learning Outcomes:

- Understand motors operation and construction
- Specify protection requirements for motors and control requirements
- Fix faults on motors
- Reduce downtime on electrical motors
- Improve plant safety

4. Course Contents:

- Motors Types, Dc Motors, Single Phase Ac Motors, Three Phase Induction Motors, Synchronous Motors
- Single Phase Induction Motors, Construction, Torque Speed Characteristics, Capacitor Start Motors, Efficiency & Power Factor
- Three Phase Induction Motors, Principle of Operation, Rotor Slip
- Synchronous Motors, Starting, Motor Loading, Power & Torque
- Selection & Application of Motors
- Standardization & Classification of Motors
- Choice of Motor Speed-Rewinding Electric
- Motors Industrial Motor Control Motor
- Testing & Maintenance Trouble Shooting of Motors
- Emergency Repairs of Motors Applications

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?

- Anyone working in electrical motors departments
- Course will also benefit those working in system design as well as site commissioning, maintenance and troubleshooting.
- Technicians