

PCRA Services for Implementation PAT Scheme

Phase-II: Detailed **Mandatory** Energy Audit

- To conduct detailed **Mandatory** energy audit of the systems/ subsystems/ equipments/ processes of the plant to identify future energy saving in different area in order to achieve the targeted saving by the target year and to take up implementation activities.
- **Jointly fill-up Form-II & III as per requirement of PAT**
- To identify cost effective energy saving opportunities of short, medium & long term.
- Detailed study of all electrical system thermal system, mechanical system of Power plant , Study of waste heat recovery system, water quality study, maintenance and operation system, losses estimation in system, study the scope of automation will be undertaken etc.
- Efforts to be made to identify base load energy consumptions with objective to optimize the same. • Key Utilities such as compressed air, Water management (pumping system), Lightings, Air conditioning system would also be subjected for detail investigation to optimize energy consumption.
- To ascertain present specific power consumption in Kwh/ton / MCal/ton & TOE for all key sections as indicated above.
- Attempt would also be made to not only fulfil the target set by competent government authority but also exceed the target-setting enable the organization to get tradable Energy Certificates. • To develop an action plan for time bound implementation activities & review energy monitoring system at key consuming centres.
- Detailed energy audit report would be submitted to the management along with cost benefit economics & guide lines to accrue savings on recurring basis

Dropdown for:

- Energy Audit
- ISO-50001:2011 EnMS
- PAT Advisory Services
- M&V Services