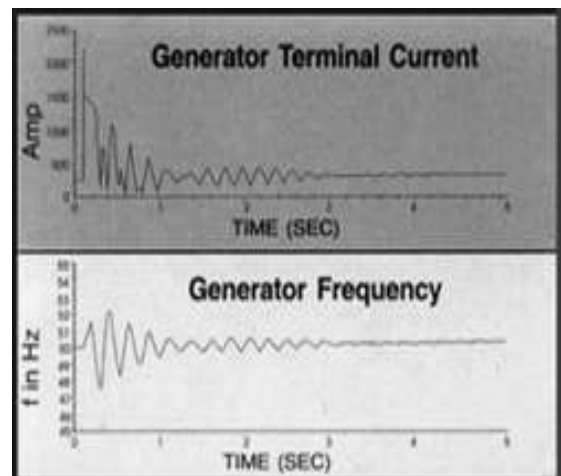


POWER SYSTEM STUDIES

The Power System study includes following studies that can be carried out on Power System Study Softwares like ETAP, CYME. These softwares have been found extremely versatile for solving majority of Power System Analysis problems.

- Load Flow
- Short Circuit Study and Protection Relay Co-ordination.
- Motor Starting and Voltage Dip study
- Transient / Dynamic Stability study
- Harmonic Analysis
- Ground Grid Design
- Cable ampacity Derating
- Cable Pulling
- Unit Transformer Sizing
- Parameter Estimation and Torque / Slip Curve.
- Transmission line Sag and Tension Calculations.



STUDIES USING ATP / EMTP

- **Switching Transients**
- **Harmonic Analysis and Filter Design**
- **Analysis of Unbalanced Operations**
- **Power Quality Studies**
- **Use of FACTS devices in distribution systems**

