Abstract

In the present scenario, where there is steep rise in load demand and also where the electrical utility providers are unable to negotiate the demand rise by increasing the generation facilities, has resulted in transmission line congestion. Even though there are some solutions from FACTS controllers for tackling congestion in lines but it is not enough to tackle the problem. So as a last resort load shedding is the option available and followed. In this paper fuzzy expert system based approach is used to minimise the amount of load to be shed during the crisis. This has shown some improvement compared to conventional load shedding procedure.

References

Negotiating Transmission Line Congestion Problems by Optimized Load Shedding Strategy

- Charles Mozin, Under-voltage load shedding, Consultant, Beckwith Electric Co. Inc.

Index Terms

Computer Science

Power Systems

Keywords

Expert system approaches  fuzzy expert system  load shedding procedure  transmission line congestion