Abstract

The electricity market has been restructuring throughout the world for maximum utilisation of resources and the system is expended to maximise social welfare. Economic gains based on regional cooperation in the energy sector have become a firmly established practice across the world. In this paper we have proposed a JAVA based power trading simulator that will estimate market clearing price. A careful study of the existing models is to be carried out to evolve a model in JAVA, which is easy to adopt, sustain and to take care of existing participants. The demand is fixed and supply side bidding scenarios with case studies are presented in the paper. This simulator having 5 generators will bid for 24 hrs in single sided auction market.

References

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**Index Terms**

Computer Science  
Algorithms

**Keywords**

Single Side Bidding  
Electricity Market  
Market Clearing Price