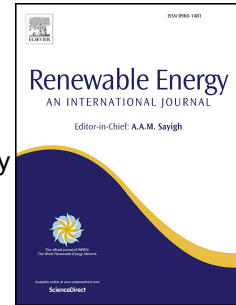


# Accepted Manuscript

Market Based Procurement of Energy and Ancillary Services from Renewable Energy Sources in Deregulated Environment

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### **Highlights**

The following strong observations have been made towards proposed technique:

- This paper proposes market based participation of Renewable Power Producers (RPPs) like wind and PV in day-ahead clearing of energy and ancillary services in deregulated environment.
- The paper deals with optimization problem considering various power system constraints.
- The proposed approach involves minimization of cost associated with procurement of required services with feasible solution while considering all transmission system constraints.
- The practical prices are considered for both conventional and RPPs participation in energy and reserve market.

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