Abstract

The energy is an important factor for the development of social and economic of any country. In recent years, utilizing renewable energy and reducing pollution have become important in the whole world. Wind power is one of the strongest growing forms of renewable energy. Now a days, wind power generation increases rapidly. A detailed study of the models helps energy planning, research and policy making. The available wind energy mainly depends on the wind speed. For the wind-farm operator, this poses difficulty in the system scheduling and energy dispatching, as the schedule of the wind-power availability is not
known in advance. In this paper, we describe different technique for forecasting wind speed. The model based on the neural network, demonstrated a good agreement and produced the wind forecast with high accuracy.

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Index Terms

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