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Abstract Details

Title: Smart Grid System

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Abstract: In this modern energy scenario it has become urgency to rely more on renewable energy sources due to various issues such as poor efficiency of thermal and nuclear power station, inflation of losses due to increase in demand, international policies of global warming, environment degradation due to nuclear wastes and even many more. So we can say that it has become a compulsion to shift towards non-conventional energy sources. There is no limit of innovative research in renewable energy field due to its huge availability, pertain-ability and habitat friendly with respect to all living organism. So our intention must be of accessing 100% non-conventional sources with maximum efficiency because major problem is of harnessing it. However discordant, seasonal and irregularity in its distribution upset to integrate all these to have an intelligent power station. Even these sources have less capacity as compared to fossils fuel generating station and overall installation technology and costing is more advanced. This paper is a layout of adding all non-conventional sources to form classy grid stem. We are also discussing the current projects going under this.

Keywords: Grid System, Hydrogen Cell Energy, Smart Grids.