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(57) Abstract :
 Creating a hybrid energy system (Wind & Solar) to produce electrical power, with 50% of the power coming from this system. The hybrid energy system, which combines solar and wind (photovoltaic) systems, is described in depth in the proposed system. When compared to standalone solar and wind systems, it requires less storage. To retain the same level of DPSP, the hybrid system provides the lowest unit cost values (Deficiency of Power Supply Probability). It is necessary to model and simulate the system's Life Cycle Cost (LCC) and conduct a performance analysis. All sectors can economically and technologically benefit from this hybrid system.

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