

ABSTRACT

Offshore Wind Energy Systems

In this paper, offshore wind energy has been discussed in brief with their importance as compared to other renewable energy sources. Harnessing of the wind offshore becomes an important opportunity for sustainable renewable energy sources. Therefore, industries and researchers are working in this area. Offshore wind energy is more potent and constant in offshore locations due to the absence of impediments. To effectively use conventional energy sources, it's crucial to understand the physics behind the movement of offshore wind turbines, along with various design strategies and analytical methods. This paper reviews the latest progress in floating offshore wind turbine technology, highlighting new designs, challenges, and future opportunities. It summarizes current research and innovations while discussing ongoing issues and next steps for the industry.

NAME: D. RUDRA PRASAD DORA

REGISTRATION NO: 2201110085

SEMESTER: 7TH