**ABSTRACT**

The constant depletion of the fossil fuels and high energy demand focuses us on to renewable energy sources which are not only the future unlimited source of energy but also eco-friendly and sustainable for the environment. Solar energy is proven to be more advantageous over other forms of energy. While trying to install the solar projects, the major difficulties were the availability of land and its cost, high solar radiations, etc. To overcome these problems, the new innovation that came up was “Floating Solar Power Plants”, which can be installed on water bodies. This new idea not only solved the problem of land cost but also provided cooling effect by water, increasing the amount of generation. This paper presents technical details of floating power plants involving solar panels and the other components that are fitted to the platform that enables it to float. Benefits and contingencies of floating power plants will also be presented.