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| **Abstract:** |  |
| Converting from conventional energy production methods to renewable and other green energy worldwide is  now holding a strong position in power generation. Escalation of burning fossil fuels has already augmented the greenhouse  gasses, mutilated the ozone layer, and deteriorated our descendants’ existence in our very own planet. The use of renewable  natural resources such as solar energy, wind energy, hydro energy on full scale instead of fossil fuels, coal, and atomic  energy will be commendable. Many of the riverine countries are blessed with spontaneous water flow along with strong  streams from rivers throughout the year. The continuous flow of water generates a stream, which can be used for rotating  turbines, and will help to produce green energy. Two types of hydro turbines can be implemented together for achieving  maximum energy production. One of the turbines is a floating axial hydro turbine, which will be implemented on the  shallow water surface and, another turbine is a kinetic river turbine, which will be situated on the river bed. The use of two  separate energy, kinetic and potential energy, from the stream as well as the turbine blade, will make this operation viable.  Depth of water will play a prominent role in finally fulfilling the gaining of maximum electric power production from the  system. A brief discussion on water speed variation reliance on water depth will be helpful. | |