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Title Feasibility Study of the Generation of Electricity at the Kutubdia Island of Bangladesh Using Tidal Upsurge

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Abstract

Tidal power provides a great commitment as a way to generate huge amount of electrical energy in many parts of the world without having any carbon emission or harming environment in any other way. This form of power has a great prospect on electrical energy generation along with the economic development of a country. Many developed countries of the world now-a-days moving towards the tidal power. As there are crisis of power in coastal areas of Bangladesh the tidal power can be used to mitigate the power crisis in those areas. Moreover, the establishment of small hydro power has the potential that can develop the local area. The idea of constructing a barrage at Kutubdia channel is expected to make the best use of tidal energy available in the isolated area to solve the power crisis scenario in the place. This paper presents the analysis of power generation at the Kutubdia channel. At last the financial viability analysis is also performed in this paper.