

Md Moniruzaman, J Nucl Ene Sci Power Generat Technol 2019, Volume: 8 DOI: 10.4172/2325-9809-C1-015

5th World Bioenergy Congress

April 15-16, 2019 | Tokyo, Japan

Tidal wave energy large scale conversion technology

Md Moniruzaman Power Grid Company of Bangladesh Ltd., Bangladesh

Tidal force on a floating object has two elements: 1) Horizontal force (Hf) and 2) Vertical force (Vf). Tidal horizontal force (Hf) (along with others external amy kinds of wind forces) on a floating object can be oppose by anchore it properly (by using minimum four long distance anchors) so that the vertical force (Vf) remain almost same. This vertical force (Vf) is useful. This vertical force (Vf) of tidal wave can be very much useful as easily increase this vertical force (Vf) by increasing the size of the object. This bidirectional vertical force (Vf) is very much suitable for pumping purpose. By installing pump protected by RCC structure using vertical upward force of the wave continuously sufficient water pumping possible for hydro power station as shown below in my hand sketch. This is a very easy technique to harness huge energy from ocean tide as already running some small projects. Compare to the other hydro power stations dam, big reservoir, big catchment area not required so cost effective. Reject ships can be used as a floating object so that form a ship city. Some anchored big ships can provide Electricity and Water demand of a big City.

Biography

Md Moniruzzaman has completed his BSc Engineering (EEE) at the age of 24 years from Dhaka University of Engineering and Technology (DUET) and Diploma Engineering (Electrical Technology) studies from Bangladesh Sweden Polytechnic Institute (BSPI). He is the Executive Engineer of a Grid Maintenance Division of PGCB Ltd. a premier organization of Government Power Sector. Officially he visited several times in India, China and Germany.

mmzbabu@gmail.com

Notes: