Abstract

The main purpose of this study is to give support irrigation in dry season and reduce the gap between electric power demand and generation by using renewable energy source solar pump. Every year water level is going down 2m/year. As a result scarcity of ground water is increasing, which has a harmful effect on economy. On the other side, electric power demand is growing up for commercial, industrial, domestic, agriculture purpose. To cope up with the demand, dependency on fuel is increasing. If this scenario going on, very soon fuel resource will be finished. And green house gas emission is in dangerous level. Small hybrid system which uses renewable sources as a plant material might be an effective solution of this power crisis and polluted environment. It is high time to give emphasis on using solar energy (pump) in a large scale.

References

- "Agriculture in Bangladesh: Present position, Problems, Prospects and Policy"; presented by C. Q. K Mustaq Ahmed, Secretary, Ministry of Agriculture [Date: 01-03-2010]

Policy brief is based on SANDEE working paper No. 49-10, "The Relative Efficiency of Water Use in Bangladesh Agriculture by Nasima Tanveer Chowdhury from the Department of Economics, Gothenburg University, Gothenburg, Sweden. The full report is available at www.sandeeonline.org

Shamsuddin Shahid, Institute of Geography, Friedrich-Schill Universität Jena, Germany; "Estimation of Irrigation Water Demand in Paddy Fields of Northwestern Bangladesh Using Remote Sensing and GIS"


- Official website of Bangladesh power development board; Annual report _2010-2011; http://www.bpdb.gov.bd
- Present Scenario of Renewable Energy in Bangladesh and a Proposed Hybrid System to Minimize Power Crisis in Remote Areas; Nahid-ur-Rahman Chowdhury*, Syed Enam Reza*, Tofaeeel Ahamed Nitol*, Abd-Al-Fattah Ibne Mahabub*; *Department of EEE, Ahsanullah University of Science & Technology, Dhaka-Bangladesh
- Bangladesh Power Executives Learn About Turkey’s Power Plant Operation & Maintenance Best Practices, Published on United States Energy Association (http://usea.org)
- Fundamental of Solar Water Heaters, Shahidul I. Khan* and M. Obaidullah**,*Director, Centre for Energy Studies **Experimental Engineer, Centre for Energy Studies Bangladesh University of Engineering and Technology. Dhaka
- from the official website of world renewable energy network; introduction to Renewable energy http://www.wrenuk.co.uk
- Reduced emissions and fuel consumption in automobile engines; Fred Schafer, Richard
Van basshuysen

Index Terms

Computer Science
Applied Sciences

Keywords
Irrigation  Electric Power Demand  Fuel Resource  Green House Gas  Solar Energy Source (Pump)