

Water Cleaning Machine Project

Khushboo Ladhe¹, Riddhi Gubhele², Shivani Choudhary³, Prachi Meshram⁴, Prof. Manish Botkewar⁵

Students, Department of Electrical Engineering^{1,2,3,4}

Professor, Department of Electrical Engineering⁵

Nagpur Institute of Technology, Nagpur, Maharashtra, India

Abstract: *This project emphasis on design and fabrication of the river waste cleaning machine. Solar Water Cleaner is used to purify water. This equipment is based on the renewable energy source. Solar is a clean energy system which can cut down the pollution problems and gives the opportunity to generate reliable source of potable water. In the absence of solar energy, we are using electricity supply from electric company. This system is specially designed to meet the need of peoples in various regions. Also this system is designed mainly for those regions where electricity rate is high and electricity is rarely available. The system is mounted on the 4 wheel trolley so it is portable from one place to another and because of this we give name for project is as “Solar Water Cleaner”.*

Keywords: Solar Energy, Solar Still Distillation System, Drinking Water.

REFERENCES

- [1]. Saleh H. Alawaji evaluation of solar energy rsearch and its application in Saudi Arabia- 20 years of experience Renewable and sustainable Energy reviews 5 (2001) 59-77.
- [2]. Saleh H. Alawaji evaluation of solar energy rsearch and its application in Saudi Arabia- 20 years of experience Renewable and sustainable Energy reviews 5 (2001) 59-77.
- [3]. Ju` rgen R. Oliviera, Thomas M. Harmsa, Danie` l J. Esterhuyseb Technical and economic evaluation of the utilization of solar energy at south Africa’s SANAE IV base in Antarctica Renewable Energy 33 (2008) 1073–1084.
- [4]. S. Malato a, P. Ferna´ ndez-Iba´ n˜ez a, M.I. Maldonado a, J. Blanco a, W. Gernjak b Decontamination and disinfection of water by solar photocatalysis: Recent overview and trends Catalysis Today 147 (2009) 1–59.
- [5]. L.M. Flendrig a,* B. Shah b, N. Subrahmaniam b, V. Ramakrishnan b Low cost thermoformed solar still water purifier for D&E countries Physics and Chemistry of the Earth 34 (2009) 50–54.