



राष्ट्रीय सौर ऊर्जा संस्थान National Institute of Solar Energy

(एक स्वायत्त संस्थान, नवीन एवं नवीकरणीय ऊर्जा मंत्रालय, भारत सरकार के अधीन)
(An Autonomous Institute of Ministry of New and Renewable Energy, Government of India)

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TO WHOM IT MAY CONCERN

F Cubed Limited the manufacturer of Carocell Solar Distillation Panels provided and installed 10 Carocell Panels at The National Institute of Solar Energy, Government of India in 2014 for testing purposes.

The panels were installed as a solar water farm of complete with a solar driven pump making the system fully automated and reliant only on the solar energy (Global Radiation).

The National Institute of Solar Energy has undertaken continual testing of the system since then including analysing both the quality of the purified water and the volume of purified water produced.

We are pleased to provide the following comments and recommendations with respect to the Carocell panels:

- The distillation process inherent to the Carocell panels purifies water for drinking or other uses;
- The Carocell panels can produce 18-20 litres of potable water a day;
- The design of the Carocell panels makes them easy to use and requires limited ongoing maintenance;
- The use of solar energy means there are no ongoing power/energy costs; and
- The panels therefore quality as an environmentally friendly or "green product".

We have no hesitation in recommending the panels for the purposes of producing clean potable water, including drinking water.

We believe given the product is environmentally friendly and would serve a humanitarian need in providing clean drinking water to a significant part of the population of India (particularly in rural areas).


(S.K Singh)

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