

Outstanding Solar & Wind Power Resources in Egypt

A renewable energy market briefing released by **Apricum**, The Cleantech Advisory, outlines Egypt's ambitious push to install solar and wind power against a backdrop of dire economic and energy related challenges. The cornerstone of Egypt's renewable energy program is a feed-in tariff (FIT) structure, announced in September 2014, under which 4.3 GW of solar and wind power will be procured by 2017. The paper's author, *Martin Mitscher*, project manager at Apricum, explains the ambitions behind the FIT and the crucial next steps for the government in order to harness the enthusiasm of the market as well as the country's impressive solar and wind resources. "After the FIT announcement, we saw a rush from local and international solar developers to get their foot in the door. A stunning 178 project proposals were submitted for more than double the announced capacity of 2 GW" said Mitscher. With 69 projects achieving qualification, the key step now for the government is to provide a bankable framework to potential debt providers so that developers can reach financial close. Wind project developers also responded positively, however the 2.0 GW target was not completely met. A second procurement round to fill



APRICUM
THE CLEANTECH ADVISORY.

the remaining capacity is likely to be held sometime before July this year. In addition, a combined capacity of 720 MW of projects is currently under construction from the private sector thanks to the established merchant IPP scheme. The FIT program has succeeded in attracting many well-known international industry heavyweights as well as local players keen to take a share in this growing market. Mitscher believes Egypt can become a sizable renewable energy market in the short term, exhibiting the necessary key drivers of rapidly growing power demand, exceptional availability of solar and wind resources, and the need to reduce domestic fossil fuel consumption. "Egypt is definitely on the hot list of

global renewable power developers at the moment. With well-managed implementation, Egypt could become one of the leading renewable energy markets in the MENA region in a short space of time" said Mitscher. Mitscher estimates Egypt's solar PV market and wind market to each grow to around 2-3 GW cumulatively by 2020. Apricum is a strategy consultancy and transaction advisory firm. It advises clients around the world on creating sustainable value and growth in renewable energy and clean technologies. Services include strategy consulting and market entry support as well as transaction advisory. The firm brings together a unique team of experts in the cleantech industry, consulting, and corporate finance. ■

Dual Powered Solar Pumps

Shakti Pumps has always been a specialist in state of art technology which has newly designed its Solar Pumps sets based on its signature fabricated technology for the best discharge and

value for money. It has already been proven that the pump set has best discharge with high energy efficiency which gives 40 percent more discharge than its competitors and other ordinary



pumps sets. This technology neither dependent on electricity nor on diesel, thus people at remote locations can also avail the benefit of the company's pumps and enhance their cropping area with regular water supply through Solar Pump. It is sacrosanct from electricity which hampers productivity of an individual due to load sharing and interrupted electric supply. Solar Pumps are free from problems like feeder damage, supply cut, rate hikes etc. The pumps are capable to perform from dawn to dusk. It can perform 24x7 without sunlight. ■