

IFEED in Afghanistan

Solar energy – progress for Afghanistan!

Sievershausen, 6. October 2010. After becoming a member of our team, Mr Hanns Georg Preuss, has worked in Afghanistan since 2006 as a freelance employee of the Research Centre for Renewable Energy (IFEED) in the technology field of solar and wind energy.



Installation of the solar system by Hanns Georg Preuss and his Afghan colleagues on the roof of the Teacher Training Colleges in Taloqan, Afghanistan

Mr. Preuss works as a construction manager in the north of the country and has already completed work on four large schools. Two schools and the Teacher Training College in Taloqan have each received a solar system that supplies the buildings with electricity. In a

day with the operation of 8 to 10 hours, the panels on the roof of the College ensure a total storage capacity of 1500 ampere hours. Thus, the energy consumption for six computers, water pump, three fans and for various energy-saving lamps is secured.

Advantages of the solar panels over the use of a small diesel generator is the elimination of diesel costs at least \$20 per day, the frequent repair costs, and environmental impact as they have neither exhaust nor noise.

In Afghanistan, where the sun shines almost continuously from May to November, the utilization of solar energy and the installation of solar thermal and photovoltaic systems will be promoted. The free solar energy would be useful in the promotion of drinking water, irrigation of the fields with river water, as well as in the supply of energy for the inhabitants. So far, this has existed only in large cities such as Kabul and Herhat.



The completed solar energy system with 16 modules, 80 watts of power each, installed on the roof of the Teacher Training Colleges in Taloqan, Afghanistan

The major advantages of using solar energy for the population should be promoted effectively through the use of pilot projects is the opinion of our employee, Mr. Preuss.

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