

“India One” Solar Thermal Power Plant

October 2014

by World Renewal Spiritual Trust

Issue 2



Aerial view of “India One” Solar Thermal Power Plant taken by a quadcopter, a flying camera, September 2014.



Erection of the first lattice tower; in total 24 towers were installed for 11 kV transmission lines from solar plant to Shantivan campus.

Hearty Welcome

to the 2nd Issue of “India One” Newsletter. We would like to share with you the highlights of activities that happened in the period of June – September 2014 and let you know about the further plans. Thank you for your interest and please enjoy the update.

Project Progress

- 640 reflector foundations completed
- 600 stands and rotating supports erected
- 700 frames fabricated, in that 640 assembled and 500 erected
- Power evacuation lines from power plant to Shantivan campus completed with 24 lattice towers fabricated and erected on 1.4 km distance
- Construction of the new meditation room.

Center for Awareness, Training and Information Dissemination on CST

The World Renewal Spiritual Trust (WRST) is a pioneer in India in R&D and demonstration of Concentrated Solar Technologies (CST) in various industrial applications, having being active in this field for more than 18 years.

In May this year, the WRST was awarded with an assignment to develop the Awareness Cum Training Center on Concentrating Solar Technologies under the project of UNDP-GEF assisted and Ministry of New & Renewable Energy, Gov. of India on Concentrated Solar Heat. The project goal is to reduce GHG emissions from low and medium temperature process heat applications in India through the use of CST systems.

The objective of the Center is to create awareness among various groups of stakeholders from industries, institutions and commercial establishments through seminars, workshops, demonstrations. The Center aims also at developing the capacity building of CST manufacturers and entrepreneurs.



Center for
Awareness, Training and Information Dissemination
on Concentrating Solar Technologies (CST)

by

World Renewal Spiritual Trust
under

UNDP-GEF Project on Concentrated Solar Heat
Ministry of New and Renewable Energy,
Government of India

“India One” Solar Thermal Power Plant

October 2014

by World Renewal Spiritual Trust

Issue 2

On the 17th and 18th of September, 2014 WRST and BK solar team was honored to host in Abu a delegation of Member of German Parliament, Board Member GIZ and GIZ officials.

GIZ, the Deutsche Gesellschaft für International Zusammenarbeit (GIZ) GmbH is a federal enterprise that supports the German Government in achieving its objectives in the field of international co-operation for sustainable development.

For WRST “India One” Project, GIZ is an execution and development agency of the German government, the Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB), that provides big part of the project funds within the “ComSolar” Indo-German Energy Programme (IGEN).



Visit of GIZ delegation

On Thursday, the 18th of September, the program started with visiting the solar cooker installed by WRST in Gyan Sarovar. This solar steam cooker was the first solar cooker ever installed in India and it was sponsored by German Government via GTZ (today GIZ).

After that, the whole delegation moved downhill to “India One” in Abu Road. Guests heard the explanation on the overall system with the unique R&D features. Further on, in the workshop, the GIZ representatives saw in detail, how the fabrication process is executed in an accurate and effective manner.

In front of the TG house, the tree plantation ceremony took place, as a small memorial of the visit. The turbine & generator from Siemens that were financed by the BMUB and the solar tracking system software, all were demonstrated to the guests.

The visit was concluded with meetings the seniors of Brahma Kumaris, Ramesh Shah, the Managing Trustee of WRST and Dadi Ratan Mohini, Joint Chief of Brahma Kumaris.

Members of the delegation summarized that the organization serves as a very good example of solar applications in India. While in Abu, they experienced high dedication & co-operation, as well as practical expression of combination of science and spirituality.



“India One” Solar Thermal Power Plant

October 2014

by World Renewal Spiritual Trust

Issue 2

Information Dissemination

Over last few months, many activities, both in India and abroad took place to let the wider public know about the innovative nature of “India One”. Hereby we present the list of the main events:

- BK Jayasimha, CEO of “India One” - interview for the German radio station Deutschlandfunk
- Golo Pilz, Head of the Project “India One” at World in Transition - New Thoughts Create New Realities, Hamburg in Germany during EU Energy Week
- Golo Pilz at Healthy Mind, Healthy Planet, Kortrijk in Belgium, EU Energy Week
- Golo Pilz at UNFCCC Bonn Climate Change Conference, in Germany
- Golo Pilz at New Thoughts Create New Realities, Brussels in Belgium, EU Energy Week
- BK Jayasimha at Conclave on R&D in New and Renewable Energy by MNRE Vigyan Bhavan, New Delhi in India
- Special Feature article by BK Jayasimha in “Sun Focus” magazine, Volume 2, Issue 1
- Jayanti Kirpalani, Director of the BK in Europe and Middle East at UN Climate Change Summit in New York, USA, September 2014.

Invitation for the program in Hamburg with Jayanti Kirpalani and Golo Pilz.

EINLADUNG Welt im Umbruch – Mutige Menschen im Gespräch
Neue Gedanken schaffen neue Wirklichkeiten



Dieter Linse



Jayanti Kirpalani

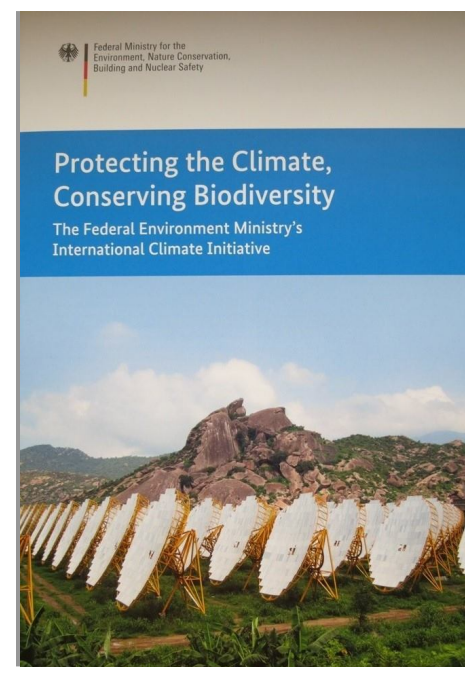


Anna Leidreiter



Joachim Golo Pilz

BK Jayasimha being interviewed for Deutschlandfunk.



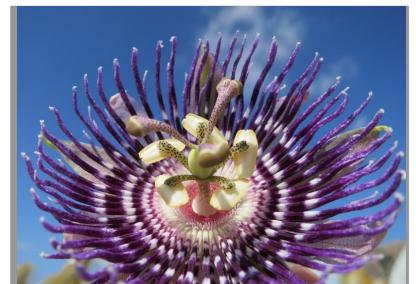
“India One” @ UNFCCC Bonn Climate Change Conference - June 2014.

Photo of “India One” project was used on the cover of the brochure made by the German Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB).



Up to date 1000 fruit trees have been planted throughout the solar field. Due to installation of further solar systems, some trees had to be transplanted to new locations within the premises.

Vegetables and fruits started to grow in the solar garden after monsoon rains, incl. passion fruits.



"India One" Solar Thermal Power Plant

October 2014

by World Renewal Spiritual Trust

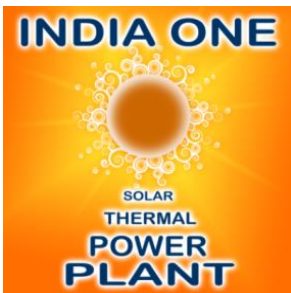
Issue 2

Future Milestones

- Fabrication, erection of the rest of reflectors
- Receiver fabrication and installation along with piping
- Balance of Plant, piping & instrumentation
- Electricals and controls
- Power evacuation
- Commissioning of the plant.



"India One" team in Himalayas enjoying the monsoon break.



"India One" Solar Thermal Power Plant
World Renewal Spiritual Trust
Brahma Kumaris Shantivan Campus
Abu Road – 307510, Rajasthan
India
e-mail id: info@india-one.net

www.india-one.net
India One Solar Thermal Power Plant @ www.facebook.com