

Press Release

## **World's first-of-its-kind solar cooling system wins 'The Best Solar Project in India' Award at Intersolar 2012**

06 November 2012, Mumbai: Clique Solar's NTPC solar cooling project at Greater Noida has been adjudged as 'The Best Solar Project' Award at Intersolar India 2012. The Awards were open to all 3100 Intersolar exhibitors.

Clique Solar, pioneers in Industrial Solar Thermal Heating and Cooling, installed India's first and probably world's largest 'Solar Heating Ventilation and Cooling (HVAC) system **with Storage**' at the NTPC Energy Technology Research Alliance in May this year. The interesting feature is the storage tank that can store up to 2 days of chilled water.

The Solar HVAC System consists of two large paraboloid solar concentrator dishes (ARUN® concentrator) providing dry saturated steam at about 200kg per hour to a 50 TR (i.e. about 175 kW of cooling) Vapour Absorption Machine (VAM). In turn, the VAM supplies chilled water at 7°C to the local cooling units installed in various rooms. The storage of chilled water for two days (weekends) avoids wastage and can be utilized to deliver cooling in late evenings or to cool a larger area. ARUN 160 requires ground area of less than 10 sq.m..

Elated after winning the award, Dr. Shireesh Kedare, Director, Clique Solar, said – "It is not only a recognition to our decade of research and our technology but also a great boost to the Concentrated Solar Thermal (CST) industry. Despite having technology, economics and answers to the challenges faced in adoption of solar technology, the industry and people are largely unaware of the applicability of CST. I am sure ARUN 160 technology being adjudged as The Best Solar Project in India at Intersolar India 2012, will go a long way in enhancing awareness and lending the required credibility to the industry. We are thankful to Intersolar."

### **About Clique Solar:**

Clique Solar is a pioneer in the Solar Thermal energy industry with its indigenous and commercially proven solar concentrating technologies providing economical process heat for heating and cooling requirements in industries, hotels and residential & commercial complexes. Its flagship product ARUN® – Fresnel paraboloid solar concentrator dish - has been installed at various locations across India like NTPC, Mahindra & Mahindra, Mahanand Dairy, Chitale dairy, ITC Hotels, TVS Group, BARC, etc. It is being used for various applications like effluent evaporation, sterilization, milk pasteurization for dairy, steam generation for laundry & food processing, comfort cooling, industrial canteen cooking, etc.

Contact

Ambuj Dixit  
98191 50036