



NEWS RELEASE
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Moser Baer achieves 7.3 % module efficiency through its proprietary process, increasing the module wattage from 340 watt /panel to 400 watt/ panel

Total capacity of the MBPV's Thin Film plant now in the range of 50 MW

- Approx 20% cost advantage on large size modules
- Scales up the single-junction amorphous-Silicon process and technology from a stable efficiency of 6% to above 7%
- Set to introduce the 400 W product on 5.7 m² module in the market by Q2, 2010

New Delhi, March 09, 2010: PV Technologies India Limited (PVTIL), a subsidiary of Moser Baer India Limited (MBIL) announces successful completion of testing and validation of breakthrough process that will enhance the stable efficiency of its single junction thin film modules from **6% to 7.3%**. The process has been designed at PVTIL's Greater Noida plant by its in-house research team. **This improves the module wattage from 340 watts / panel to 400 watts /panel on full size modules (5.7 m²).** This breakthrough has been achieved by judicious optimization of multiple layers in the device structure. This is **one of the highest efficiency (and wattage) achieved of any a-silicon single junction thin film module of this size globally.**

Lauding the achievement, **Ratul Puri, Executive Director, MBIL,** said: "The breakthrough proprietary process will improve the viability of a-silicon technology for the solar farm projects. This proprietary process is a game changer and will help us in addressing certain sections of the market by Q2 2010." He further added, "What makes this proprietary process special is that it is for the first time that any Indian player has achieved this level of efficiency **leading to approx 20% cost advantage in this module size.**"



According to Dr. Rajiv Arya, CEO of PV solar business, "This achievement is very timely as it has already enhanced our Thin Film's capacity from 40 MW to the range of 50 MW and will help us address and reach the goals set in the **National Solar Mission effectively** by deploying these modules in large size solar installations. I appreciate the efforts of our process team, which has once again demonstrated Moser Baer's innate capabilities in improving efficiency and introducing new products to cater to the demands of the market. These thin film modules can be used for rooftop installations and for solar farms."

Editorial Notes:

Amorphous silicon (a-Si or α -Si) is the non-crystalline allotropic form of silicon. It can be deposited in thin films at low temperatures onto a variety of substrates.

About the Company

Moser Baer India Limited, headquartered in New Delhi, is a leading global technology company. Established in 1983, the company successfully developed cutting edge technologies to become the world's second largest manufacturer of Optical Storage media like CDs and DVDs. The company also emerged as the first to market the next-generation of storage formats like Blu-ray discs. Recently, the company has transformed itself from a single business into a multi-technology organisation, diversifying into exciting areas of Solar Energy, Home Entertainment and IT Peripherals and Consumer Electronics.

Moser Baer has multiple manufacturing facilities in the suburbs of New Delhi.

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