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PRODUTOS / MÁQUINAS

MBPV aims to distinguish itself as a significant player in the global photovoltaic market by leveraging its high-volume manufacturing expertise and planned investments of nearly US\$ 3.2 billion in research, development and manufacturing of products dedicated to generating solar power.

MBPV realizes that PV markets have different needs and emerging technologies have to be developed today to realize the world's future energy needs. It has already announced investments in a mix of currently available and emerging technologies as follows:

- A first of its kind 80 MW, state-of-the-art, fully automated in-line crystalline silicon cell manufacturing facility - 40 MW already in production - this will be scaled up to 240 MW.

- A 40 MW module manufacturing facility with expansion plans to scale it up to 200 MW.

- A 200 MW thin film module plant, capable of producing the world's largest non-flexible thin film modules, is under construction. Module shipments are anticipated around mid 2008.

- A high concentrator photovoltaic (CPV) module manufacturing facility and multi-million dollar investments in a US-based company - Solfocus, the developer of the CPV technology in partnership with the world renowned Palo Alto Research Center (PARC), California. The technology is based on gallium arsenide cells, originally developed for harsh extra-terrestrial solar applications and environments.

- A significant equity stake in Solaria, a US-based technology company that has developed a unique form of low-concentration solar PV technology. It is capable of producing power equivalent to two to three times the power produced by conventional PV modules, using the same amount of silicon material.

- A significant minority stake in Stion Corporation, a nanostructures development company based in the Silicon Valley, California, for producing extremely low-cost solar power generating surfaces.

- Acquisition of 40% equity stake in Solarvaive, Proizvodnja d.d, a solar grade silicon production facility in Slovenia, to provide access and assurance of supply to low-cost solar grade silicon.

- An R&D centre dedicated for the improvement and rapid commercialization of solar technology products.

In addition to the above, MBPV has invested in strategic partnerships involving the entire value chain, particularly for strategic sources such as silicon ingots and wafers, glass, etc. through short-term and long-term supply agreements.

Company Profile of **Moser Baer India Limited (Chennai)**

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