



India's first large-sized monocrystalline silicon ingot is now available thanks to [Adani Solar](#), the

[Adani Group](#)'s subsidiary for photovoltaic manufacture and research.

The silicon-based photovoltaic (PV) modules' efficiency will range from 21 to 24 percent thanks to

the monocrystalline ingots, which will encourage indigenization in the production of renewable electricity.

An official statement from the company informs, "Adani Solar is the first company in India to complete the backward integration of ingot line infrastructure in a record time of about seven months, making significant progress towards the goal of energy swaraj". The new manufacturing

line will produce silicon ingots exclusively for its solar wafers, cells and modules production.

Puneet Gupta, CTO, Adani Solar comments, "We are delighted to become India's first manufacturer of large-sized monocrystalline silicon ingots capable of producing M10 and G12 wafers. We have made remarkable technological progress in every aspect of solar manufacturing in the past, from cells to modules, and we intend to replicate our past successes

in our future endeavours as we backwards integrate all the way to producing metallurgical grade silicon from quartz".

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