

## India's largest rooftop solar PV project on a single roof



Location: Pata,  
Uttar Pradesh, India



The project was undertaken for one of the largest petrochemical complex of a Government of India 'Navaratna' company

5.76 MW rooftop solar system spread on 58,000 square metre roof area

Reduces CO<sub>2</sub> emissions by 65,000 tonnes per annum

### Project Highlights

Thermax installed 5.76 MW rooftop solar system for one of the 'Navaratna' PSUs, at Pata, Dist. Aurelia in Uttar Pradesh. Spreading across the inclined sheet metal roof of two 35,000 m<sup>2</sup>, east-west oriented industrial sheds, making it the largest solar power plant on a single roof in India.

Thermax has installed 18,300 solar modules of 315 watt capacity each on specially designed 12 microns anodised aluminium channel with easy, plug and fit arrangement of

module clamping. To minimise the impact on the roof, specially designed structures were fixed with an existing purlins, transferring the entire load to the mainframe.

Commissioned in 2017 and operating at a high-performance ratio of 84%, the plant generates 7.92 million units of electricity through solar power annually. Thermax, through its operations and maintenance services will ensure peak performance for this plant for five years.

For more information about this marquee project of Thermax rooftop solar PV installations, please click the video link:

<https://youtu.be/KBBAPKFhXQs>

For more information about Thermax's solar installations, visit: <https://www.thermaxglobal.com/solar-offering/>