



# KOSMO ONE's COMMITMENT TO CLEAN ENERGY

A Case Study on **6.3 MWp** green power procured from  
Fourth Partner Energy's **Solar Park in Kovilpatti, Tamil Nadu**



A Blackstone Group Company

# THIRD PARTY OFFSITE SOLAR SOLUTIONS TO KOSMO ONE VIA OPEN ACCESS

Kosmo One is a commercial technology park located in the Ambattur Industrial Area in Chennai. Managed by Nucleus Office Parks, (a Blackstone Group company) this tech park houses the offices of Vodafone, Aditya Birla, Yes Bank, NatWest and Britannia in the city. This 6.3 MWp PPA to procure clean energy for their technology park in Tamil Nadu is one of the many ways in which the Blackstone Group is embracing sustainability and fast-tracking its Net Zero goals.

## Key highlights of the PPA between Kosmo One & Fourth Partner Energy

PPA Capacity 6.3 MWp	Project Location Kovilpatti, Tamil Nadu	Date of Commissioning 07-04-2022	Total Capacity of solar Park 21 MWp
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## NUCLEUS OFFICE PARKS' COMMITMENT TO NET ZERO

Nucleus Office Parks, which manages Kosmo One has a stringent commitment to increasing procurement of Renewables in its energy mix. Three of the company's assets in Bengaluru and Chennai rely significantly on renewable energy, while those across Mumbai and Gurgaon are in the process of finalizing agreements with renewable energy suppliers. Although the industry faces challenges in implementing solar projects on urban high-rise buildings, Nucleus One as a company has adopted innovative RE solutions, aiming to reduce emissions and contribute to a greener future.



## ANNUAL ENVIRONMENTAL IMPACT OF THE 6.3 MWp PPA BETWEEN KOSMO ONE & 4PEL



**8,762 tons**  
of Carbon Offset



**2 Cr litres**  
of Water Conserved



**4,150 tons**  
of reduction in Coal



Equivalent to planting  
**3.9 Lk Trees**







## OTHER MARQUEE CLIENTS PROCURING POWER FROM 4PEL'S 21 MWp SOLAR PARK IN KOVILPATTI





## FOURTH PARTNER ENERGY PROJECTS SHOWCASE

### SOLAR PARK IN KOVILPATTI, TAMIL NADU

	<b>Park Capacity</b> 21 MWp		<b>Park Location</b> Kovilpatti, Tamil Nadu		<b>Substation Type</b> 110/33/11KV-TANGEDCO
	<b>Transmission Line</b> 33 kV single circuit <small>RSJ pole, coyate conductor</small>		<b>Annual Generation<sup>(Units)</sup></b> 3,89,286,456 kWh		<b>Connectivity Voltage</b> 33 kV

## OVERCOMING CHALLENGES

### EPC-related Delays

During the Covid-19 lockdown, the project faced challenges due to delays in mobilizing manpower and arranging plant structure and materials. Additionally, intermittent rainfall and disruptions caused by local farmers further hindered the project's progress. To overcome these obstacles, the 4PEL team responded by increasing the workforce and extending working hours to ensure timely completion of the project. They also provided sub-contracts and employed local farmers to ensure a smoother execution of the project.

### Enhancing Safety Awareness and Addressing Labour Issues

The recruited local labour failed to adhere to the required safety standards, resulting in a delay in project execution. Recognizing the importance of maintaining these standards, the 4PEL team organized multiple safety awareness programs. These initiatives are not unique to this project execution. It is always given top priority within the company to ensure that we fulfil the commitments made to our stakeholders.

### Streamlining Execution and Approvals

Due to the authorities' requirement of complete execution and commissioning of the plant before granting approvals, the 4PEL team opted to increase the number of subcontractors. This decision helped expedite the execution process and ensure timely completion within the desired timeline.

# WHY SHOULD BUSINESSES IN TAMIL NADU SWITCH TO RENEWABLE ENERGY?

## Key Policy Highlights for Green Energy Open Access in the State

Tamil Nadu has emerged as a frontrunner in open access solar installations in India, currently ranking 3<sup>rd</sup> in the country in terms of cumulative installed solar open access capacity. As of March 2023, Tamil Nadu boasts an impressive capacity of 805.5 MWp in this sector.

- ▶ The state provides long-term visibility of open access charges and electricity tariffs, making it more attractive for stakeholders.
- ▶ Waiver of cross-subsidy surcharge and additional surcharge for captive consumption of Renewable Energy by commercial and industrial consumers.
- ▶ The multi-year tariff framework in Tamil Nadu provides stakeholders with certainty regarding open access charges, facilitating better planning for medium and long-term investments. This stability encourages developers to pursue projects with greater confidence.

## FOURTH PARTNER ENERGY'S OFFSITE SOLAR & WIND FOOTPRINT IN THE STATE

Capacity	Location
21 MWp	Kovilpatti
13 MWp	Nandikundu
37.5 MWp	Kalakudi
50 MWp	Ottapidaram (Wind)



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