



## Largest Solar Power Plant in India 2023, List of Top-10

*The Bhadla Solar Park in Rajasthan, India, holds the title of the largest solar power plant in India. Check the list of top-10 largest solar power plants in India 2023.*

**Akansha Arora** Published On December 11th, 2023



### ***Largest Solar Power Plant in India***

India has emerged as a global leader in solar power production, making significant strides in harnessing renewable energy. With ambitious targets set under the **National Solar Mission**, the country has surpassed expectations, **ranking third in Asia and fourth in the world for solar power generation**. The government's commitment to sustainable energy is evident in its goal to extend solar energy utilization **up to 100 GW by 2022**.

### **India's Largest Solar Power Plant 2023**

The **Bhadla Solar Park in Rajasthan, India**, sprawls over **56 square kilometers**, making it **India's largest solar power plant** as of **2023**. With a remarkable **2,055 megawatts capacity** developed in four phases since 2015, it reflects India's commitment to renewable energy. This solar giant, supported by substantial funding, significantly contributes to the nation's clean energy goals and curtails an estimated 4 million tons of greenhouse gas emissions annually.

The park was developed in the following four phases:

- Phase I: 420 MW, completed in October 2018
- Phase II: 250 MW, completed in December 2018
- Phase III: 1,000 MW, completed in December 2019
- Phase IV: 775 MW, completed in December 2020

## Top-10 Largest Solar Power Plant in India

The Bhadla Solar Park in Rajasthan, India, holds the title of the largest solar power plant in India with the power generating capacity of 2055 MW, followed by Pavagada Solar Park, Kurnool Ultra Mega Solar Park and NP Kunta Ultra Mega Solar Park.

Here is the list of top-10 largest solar power plants in India:

Largest Solar Power Plants in India				
S. No.	Solar Power Plant	Location	Power Generation (MW)	Area of Park
1.	Bhadla Solar Park	Rajasthan	2055	14000 acres
2.	Pavagada Solar Park	Karnataka	2000	13000 acres
3.	Ananthapuram Ultra Mega Solar Park	Andhra Pradesh	1500	32.07 sq. km
4.	Kurnool Ultra Mega Solar Park	Andhra Pradesh	1000	5932 acres
5.	NP Kunta Ultra Mega Solar Park	Andhra Pradesh	978	7924 acres
6.	Rewa Ultra Mega Solar Plant	Madhya Pradesh	750	1590 acres
7.	Kamuthi Solar Power Project	Tamil Nadu	648	10 sq. km
8.	Mandsaur Solar Park	Madhya Pradesh	600	2 sq. km
9.	Bhadla Phase-II	Rajasthan	500	4,400 acres
10.	Charanka Solar Park	Gujarat	500	20 sq. km

### Largest Solar Power Plant in India – Bhadla Solar Park

Location: Jodhpur, Rajasthan

Power Generation: 2055 MW

Area of Park: 14000 acres

**Bhadla Solar Park in Rajasthan, India**, covering **56 square kilometers**, holds the 2023 titles as the largest solar power plant in India as well as in the world with 2,055 MW capacity. Developed in four phases since 2015, it secures funding from various sources, contributing significantly to India's renewable goals and reducing **annual greenhouse gas emissions by 4 million tons**.

### India's Second Largest Solar Power Plant – Pavagada Solar Park

Location: Tumkur, Karnataka

Power Generation: 2000 MW

Area of Park: 13000 acres

Owner: Karnataka Solar Power Development Corporation Ltd.

Pavagada Solar Park, situated in **Karnataka's Tumkur district**, spans **53 square km**, making it the second **largest solar power plant in India and third largest in the world**, with a 2000 MW capacity. Completed in 2019

at a cost of **Rs.14,800 crores**, it stands as India's second largest solar park.

## Third Largest Solar Power Plant of India – Ananthapuramu Ultra Mega Solar Park

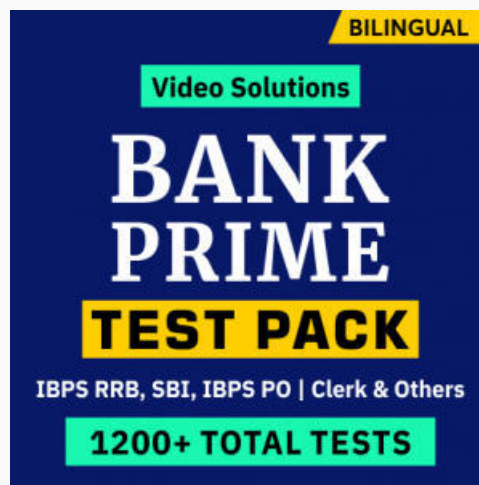
Location: Nambalapalakunta mandal, Ananthapur district, Andhra Pradesh

Power Generation: 1500 MW

Area of Park: 32.07 square km

The **Ananthapuramu Ultra Mega Solar Park**, the third largest solar power plant, is an expansive solar park in Ananthapur district of Andhra Pradesh. Spread across a total area of **32.07 square km**, it boasts the rank of the third-largest solar park in India. It ranks closely behind the Golmud Solar Park in China and the Bhadla Solar Park in Rajasthan and Pavagada Solar Park in Karnataka.

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## FAQs

Which is the largest Solar Power Plant in India? —

The Bhadla Solar Park in Rajasthan, India, holds the title of the largest solar power plant in India with the power generating capacity of 2055 MW.

Which is the second largest solar power plant in India? +

Name the top-5 largest solar power plant in India. +

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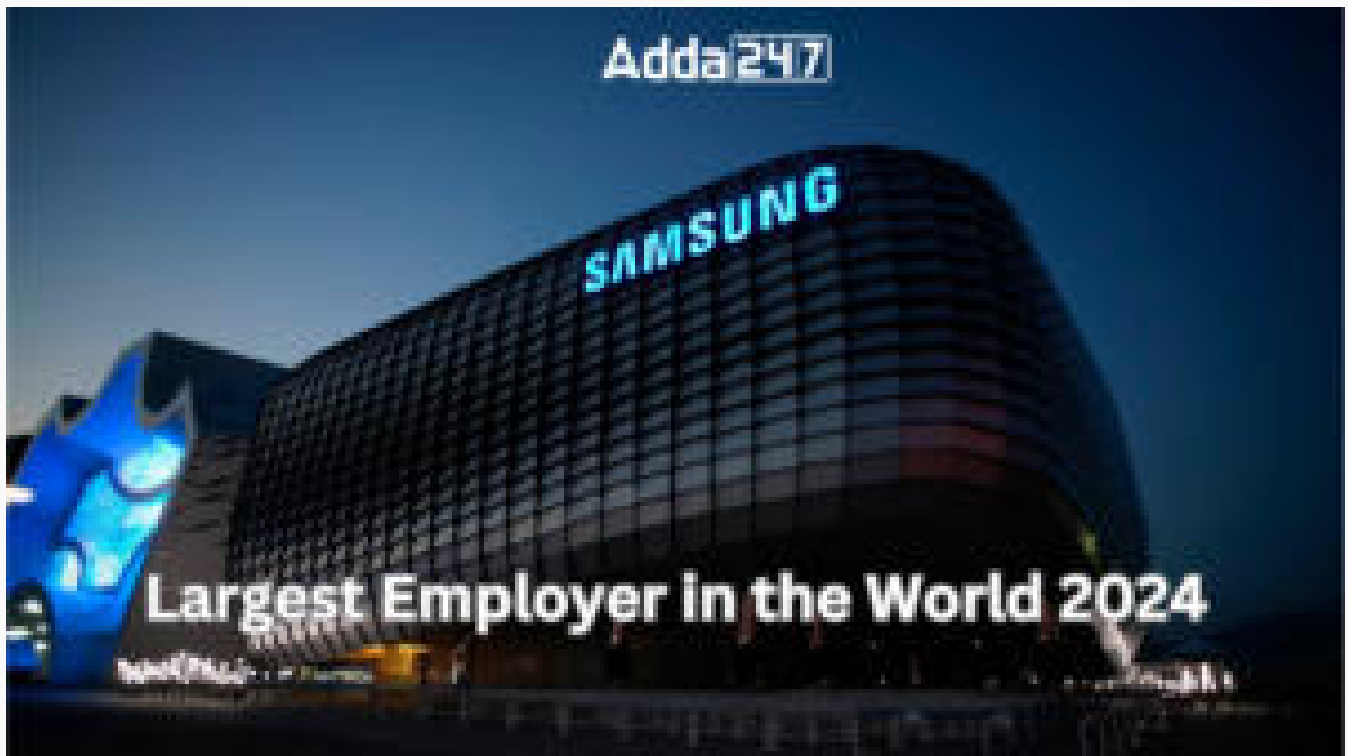
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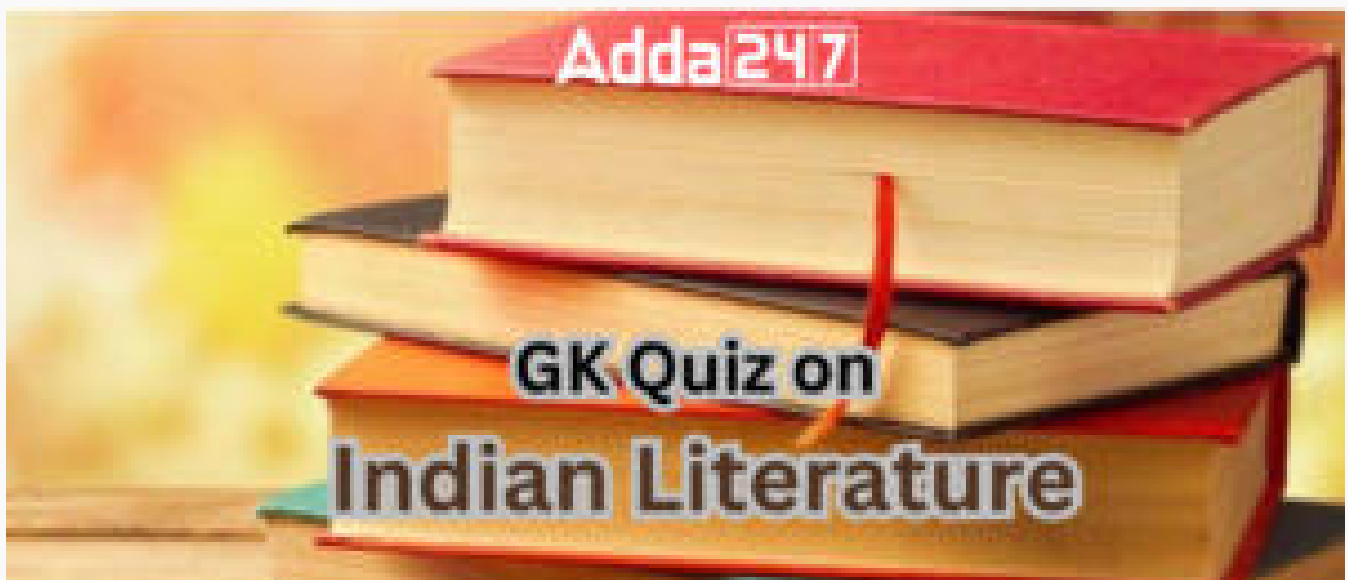
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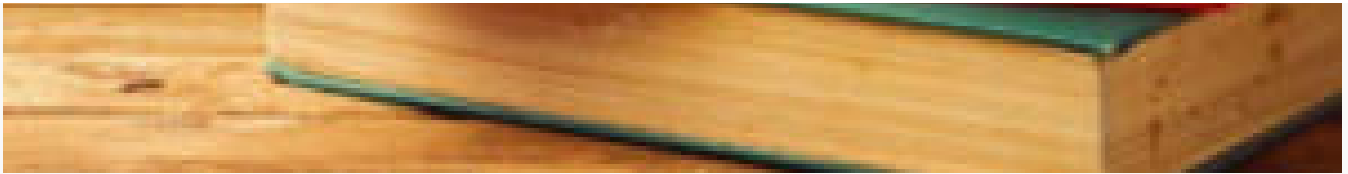


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