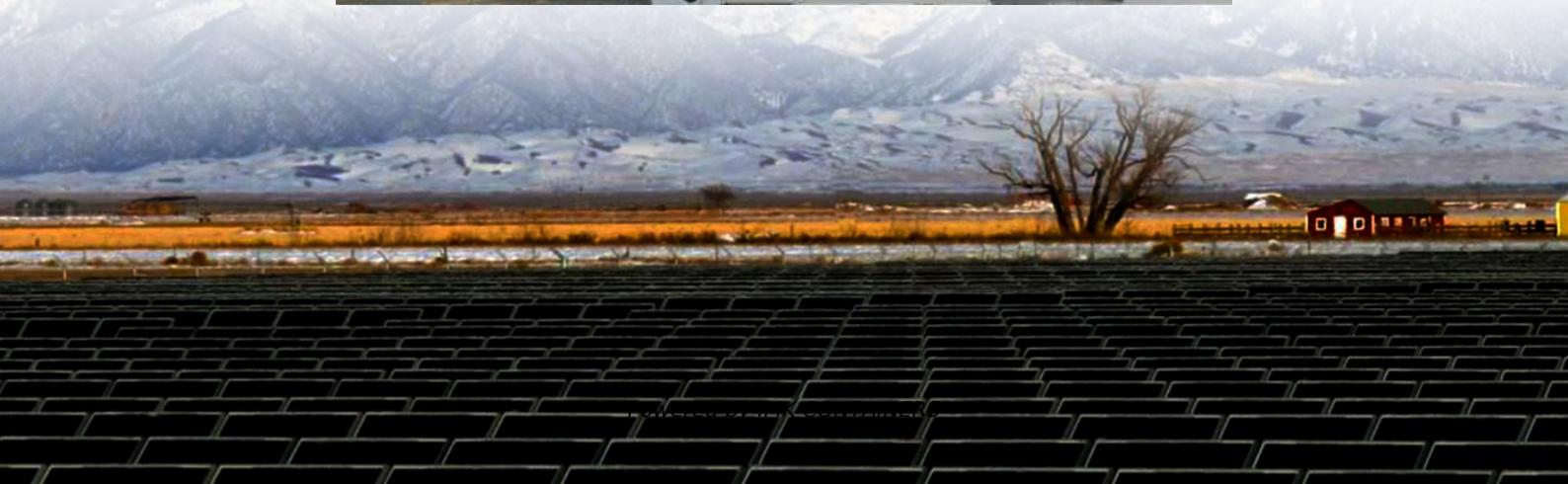




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# India Mumbai Gravity Energy Storage Project Connected to the Grid





## Overview

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Will Tata Power install a 100 MW battery energy storage system in Mumbai?

Mumbai, 7th April, 2025 – Tata Power, India's largest integrated power company and a trusted electricity provider to approx. 8 lakh residential and commercial consumers, has received approval from the Maharashtra Electricity Regulatory Commission (MERC) to install a 100 MW Battery Energy Storage System (BESS) in Mumbai over the next two years.

Are battery energy storage systems the future of energy in India?

Harsh Shah, Managing Director, IndiGrid, said, “Battery Energy Storage Systems are central to the future of energy in India. They bridge the intermittency of renewables, reduce fossil fuel dependency, and unlock flexible, reliable power delivery.

What is strategic paths for energy storage in India through 2032?

The report, Strategic Pathways for Energy Storage in India Through 2032, tackles these questions. With its sharp analysis and data-driven approach, it maps out practical, affordable ways to roll out storage, highlights priority areas, and explores how different technologies can work for us.

What is the investment landscape for battery energy storage projects in India?

The investment landscape for battery energy storage projects in India has gained momentum in recent years. Incorporating renewable energy sources, maintaining grid stability, and addressing peak demand challenges are all made possible by BESS. Some key aspects of the investment landscape for energy storage projects in India are mentioned below.



## India Mumbai Gravity Energy Storage Project Connected to the Grid



### [Development of stationary battery storage systems in India](#)

This article aims to assess the development of India's stationary battery storage sector as of 2025, identifying key policy drivers, market trends, and technological shifts. It ...

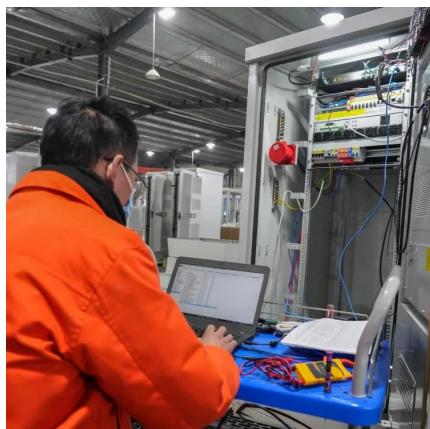
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### [Gap Analysis for Deployment of Grid-Scale Storage ...](#)

The Government of India 2018 announced the creation of the National Energy Storage Mission to facilitate large-scale integrated electric storage and to set up a national ...

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### **[IFC and IndiGrid Partner to Build India's Largest Utility-Scale Energy](#)**

New Delhi/Mumbai, 02 July 2025 - To further strengthen India's renewable energy infrastructure, IFC and IndiGrid [BSE: 540565, NSE: INDIGRID] have partnered to develop a ...

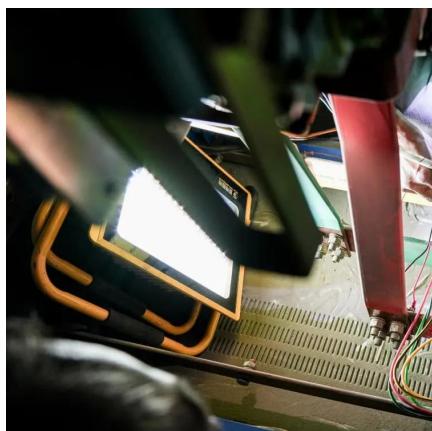
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### [IFC and IndiGrid Partner to Build India's ...](#)

New Delhi/Mumbai, 02 July 2025 - To further strengthen India's renewable energy infrastructure, IFC and IndiGrid [BSE: 540565, NSE: INDIGRID] have partnered to develop a 180 MW/360 MWh standalone ...



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### [India Energy Storage Deployment](#)

The Government of India (GoI) has charted a course towards integration of grid-scale energy storage systems (ESS) in the T& D infrastructure across India to ensure backup, ...

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### [Tata Power to Install 100MW Battery Energy ...](#)

The system will have high round-trip efficiency with reduced auxiliary consumption, thereby enhancing operational performance and extending the storage system's lifespan to support Mumbai's energy ...

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### **The Future of Grid-Scale Energy Storage: Driving Clean and ...**

The coming decade will witness significant expansion in grid-scale energy storage, with global deployments expected to surpass one terawatt-hour by 2030. With the right ...

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## STRATEGIC PATHWAYS FOR ENERGY STORAGE IN INDIA ...

But the path forward requires clarity: Where should we deploy storage? What's the right duration for these systems? How do we ensure they're cost-effective while strengthening ...

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## India Gravity Energy Storage Market Size and Forecasts 2031

India Gravity Energy Storage Market is projected to grow around USD 1.12 billion by 2031, at a CAGR of 33.1% during the forecast period.

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## **Tata Power to Install 100MW Battery Energy Storage System (BESS) in Mumbai**

The system will have high round-trip efficiency with reduced auxiliary consumption, thereby enhancing operational performance and extending the storage system's lifespan to ...

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## THE WEIGHT OF THE FUTURE: HOW GRAVITY COULD POWER INDIA

Gravity energy storage systems ("GESS") are a type of ESS that harnesses the Earth's gravity to store and release electricity. [6] These systems offer a sustainable alternative ...

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### **Tata Power BESS to support critical infrastructure in Mumbai**

Battery racks at a Tata Power BESS project.

Image: Tata Power. Electric utility and generation company Tata Power has received regulatory approval to deploy a centrally ...

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