

13th

Nov 2025



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transforming for good



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BT BALCO TODAY

SIGHTS, INSIGHTS & HEIGHTS

BALCO Underwent IMEA 2025 Assessment



CHAIRMAN CORNER



Anil Agarwal
@AnilAgarwal_Ved

X.com

India has made amazing progress on renewable energy. 50% of our installed electricity capacity is renewable but, unfortunately, we are not getting the full results.

Because growth of transmission hasn't kept pace. Imagine if you have a 6-lane highway which has a section which is only two lanes. There will inevitably be a traffic jam and the benefit of speed on highway will be lost. That is what is happening in renewables.

There are lots of power projects generating solar and wind, lots of consumers for renewables but not enough lines to take the electricity from the source to homes or factories. There is a jam.

Policymakers can consider a composite scheme for generation and transmission. Those who build power projects can also build transmission networks. Incentivize this. Let there be no involvement of government. All approvals via self certification. Government has right to post-audit.

Time is of essence. Green energy requires a smooth highway and green signal.

#DeshKiZarooratonKeLiye

India's grid deadlock threatens green rollout

Energy transition Power network has not kept pace with surge in renewable projects. By Chris Kay

Surrounding the golden fortress city of Jaisalmer in India's Thar desert, a sea of wind turbines stretches out across the arid landscape as far as the eye can see – visibly marking the world's third-largest carbon emitter's green power expansion.

Engineers at a 30MW wind farm here operated by ReNew, one of India's biggest clean energy developers, speak with pride about contributing to a national renewable capacity goal of 500GW by 2030. Yet not all of the country's green power can be dispatched, with the energy grid emerging as a choking constraint.

Sumant Sinha, chair and chief executive of ReNew, is confident India will "definitely" achieve its renewable capacity target. "I can see that we'll get to 500GW, but we won't be able to exceed it because there's not enough transmission."

While India boasts one of the world's largest transmission networks, spanning more than 494,000 circuit kilometres, the grid has not kept pace with the surge in renewable projects. More than 50GW of capacity is stranded, according to the Institute for Energy Economics and Financial Analysis, a US-based think tank, and JMK Research & Analytics, an Indian cleantech research and consulting firm.

"Transmission has become a critical bottleneck... causing rising curtail-

ment and commissioning delays in resource-rich states," says Jyoti Gulia, founder and chief executive of JMK. Earlier this year, Prashad Joshi, India's minister for new and renewable energy, hailed a "Historic Green Leap" after the country reached 50 per cent of its power capacity from renewables, now totalling 243GW.

Even so, Gulia says, grid expansion delays would "lock in higher coal generation". Nearly three-quarters of India's power currently comes from coal, which remains central to meeting its growing electricity demand.

This is partly due to fragmented planning between state and central authorities, which largely run India's grid, as well as mismatched build cycles. Renewable projects can be completed in 12 to 18 months, while transmission lines typically take three to five years.

Clean power is also predominantly produced in three states: Rajasthan, Gujarat and Tamil Nadu, while high-demand regions such as Delhi, Haryana and Uttar Pradesh have little capacity, making cross-state delivery critical.

"To perfect the timing is impossible," Ashish Khanna, chief executive of Adani Green Energy – the country's largest renewable power company – said in September at the Financial Times' Energy Transition Summit in New Delhi. "You can't first wait for a grid to come and then build a renewable project."



ReNew's solar site near Jaisalmer is part of India's push to scale up renewable energy

These constraints have become the most visible in the northwestern wind and sun-rich state of Rajasthan and development heavy areas there such as Jaisalmer. IEFA and JMK estimate that 86GW of clean power capacity in the state currently cannot be transmitted.

One renewable industry executive in Rajasthan says the "spurt" of green projects, paired with slow grid growth, will probably slow further capacity build-out for at least a couple of years.

Developers also face obstacles from environmental blockages and grinding difficulties acquiring contiguous land in a country with hundreds of millions of smallholder farmers. In parts of Rajasthan and neighbouring Gujarat, a years-long legal ban has prevented new overhead transmission lines from being laid across more than 100,000 sq km to protect the Great Indian Bustard, a highly endangered and poorly sighted bird known to fly into power cables.

In key areas, smaller players have also exploited those time lags, pre-booking chunks of transmission capacity with no intention of building power plants – driving up premiums to secure connectivity, which they then sell to developers. This delays projects

and further burdens genuine operators. Gulia says the bureaucratic need for multi-agency clearances and right-of-way permits that are frequently initiated post-award cause "months to years of delay". Ideally there should be a single-window regulatory clearance system with strict timelines, she says, as well as performance-based incentives and disincentives.

Last year India announced a plan to bolster the power grid and deploy the vast amounts of renewable energy coming online. The expansion is expected to cost \$6.15tr (\$104bn) to allow the transmission of 600GW of green power capacity by 2032.

However, India's Central Electricity Authority agency has acknowledged that public funding will not be sufficient to cover the build-out, which means the private sector is likely to have to step in. Private investment from the likes of Adani and Tata Power is already starting to reshape the sector, Khanna at Adani Green says. About 9 per cent of the grid is operated by corporates.

"They are going to bring their own efficiencies to the system," adds Khanna, "so I am hopeful that in times to come we will have less [of a] gap."



MR. ANIL AGARWAL
Chairman, Vedanta Group

BALCO participated in the India Manufacturing Excellence Awards (IMEA) assessment, organized by Frost and Sullivan, the country's most credible assessment-based manufacturing recognition. The assessment evaluated excellence in manufacturing capability, supply chain reliability, and technology adoption across departments including Potline, Casthouse, Rolled Product, Power, Finance, Digital, Marketing, Procurement, Logistics, HSE, Quality, Security, HR, and Asset Care. In the previous cycle, BALCO achieved 917 out of 1200 marks, earning the Platinum Award for its operational excellence and process maturity. The 2025 assessment focuses on Industry 4.0 adoption, manufacturing optimization, and global competitiveness, further strengthening BALCO's pursuit of innovation, digital transformation, and sustainable industrial growth.











Safety Advisory

Rules For Confined Space Entry

Enter only in the presence of standby person, after 3 level gas testing and work permit.

Only Authorized Person Can Enter.



स्टैंडबाय व्यक्ति की उपस्थिति में, 3 स्तरों पर गैस परीक्षण और परमिट के बाद, ही प्रवेश करें।

Safety Advisory

परिसीमित स्थान में प्रवेश के नियम

STOP - Entry is Prohibited.



रुकिये – प्रवेश वर्जित है।
केवल अधिकृत व्यक्ति।



Team BALCO Today

Conveys Heartiest Greetings To

Thursday, 13th Nov 2025

Popendra Kumar Sharma
Kamlesh Chandra
Sudhanshu Das
Abesh Kumar Bundela
Mohd Shahid Mohd Bashir
Kashish Fatima

Pot Room
Downstream
Downstream
Security
Pot Room
CSR

Friday, 14th Nov 2025

Kamlesh Kumar Chandrakar
Ravishankar Adiley
Abhishek Singh
Vinayak Vijaykumar Gawali

Pot Room
Pot Room
Power-2
Downstream

HAPPY
Birthday
TO YOU!



Idea Theme for Nov'25

People Involvement & Development

Impact of Employee Rewards and Recognition on Retention



Helps Motivate the Employees



Enhances Employee Happiness



Promotes a Positive Work Culture



Better Relations with Superiors



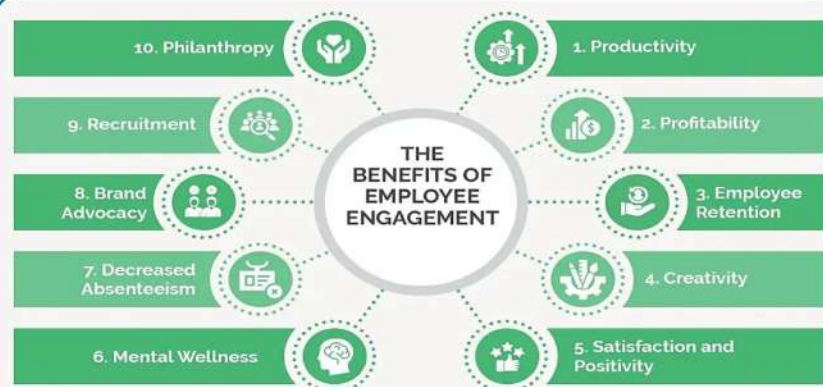
Increased Customer Satisfaction

R & R CATEGORY

1. Best Idea of the month
2. Max. Idea Generator
3. Quick 5 Ideas



HOW TO..... **BOOST**
PEOPLE
ENGAGEMENT



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Use tag word #PID# before mentioning ideas

To Login in
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BALCO CENTRALIZED

Security Operation Center



INCIDENT

Theft, Threat, Vandalism, Fraud
Malpractice, Wild Animal Attack



VIOLATIONS

Unsafe Act, Unsafe Conditions
Traffic



YOUR ABSENCE AT HOME

Away on Holidays for Few
Days



ISSUES

Traffic Jam, Card Not Working
Lack of Support at Entry Gates



SUSPICIOUS MOVEMENT

Person Behaving/Acting in
Suspicious Manner

We Are Manned 24x7 & Available At:

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Sec_rity is incomplete Without "U"

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- ◆ Photograph with good captions
- ◆ Success / Inspirational stories
- ◆ Travel Story
- ◆ Balco Plant Events
- ◆ Achievements etc.

We will try to capture them in

BALCO TODAY

YOU CAN REACH OUT TO US -

Shivani Pachori

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Jhalak Shastri

747 701 3030