



UPCOMING REPORT: ENERGY STORAGE INTEGRATION WITH TELECOM TOWERS

As part of its continuing market analysis and research on opportunities related to Energy Storage System (ESS) applications in India, IESA will be releasing the “ESS integration with Telecom Towers” report in the coming months. This report will cover detailed analysis and research on potential applications of ESS to support the electricity requirements of telecom towers in India. India is presently one of the largest telecom markets in the world, second only to China.

Traditionally, telecom tower companies use grid power as the primary source and diesel generator (DG) as the secondary source, or as back up to the grid power. The expenses on energy account form a significant share of the operational cost for these networks. This is particularly true in rural areas in India where availability of power is uncertain.

Key highlights of the report for applications of ESS for telecom towers are:

- Growth of telecom towers in India
 - ✓ Details on number of telecom towers in India.
 - ✓ Forecasted increase in the number of telecom towers by 2020.
 - ✓ Diesel consumption statistics due to insufficient or lack of grid power based on average kW requirements per telecom tower site.
 - ✓ Operational expenses for the telecom towers by using DG.
 - ✓ Subsidy and pollution caused due to DG usage for telecom towers.
- Analysis based on Department of Telecom (DoT) directive
 - ✓ Mandating at least 50 per cent of all rural towers and 20 per cent of the urban ones to run on hybrid power by 2015.
 - ✓ 75 per cent of rural towers and 33 per cent of urban towers to be run on hybrid power by 2020.
 - ✓ Apart from the DoT directive, financial benefits for telecom tower operators to use ESS.
 - ✓ Examples of existing and upcoming projects using renewable energy for telecom towers.
- Key stakeholders and major telecom tower companies in India.
- Economics of using ESS for telecom towers.
 - ✓ Case study illustrating ESS integration with telecom tower.
- IESA estimated market potential for ESS for telecom towers in India.
- Concluding with the potential growth of telecom towers and applications of ESS.

About India energy Storage Alliance

The **India Energy Storage Alliance (IESA)** was launched in 2012 by Customized Energy Solutions to promote Energy Storage and Micro-grid technologies and their applications in India by creating awareness among various stakeholders to make the Indian industry and power sector more competitive and efficient, and by promoting information exchange with the end users to assist with more informed decision making. IESA also provides insights to technology developers and system integrators on the policy landscape and business opportunities in India through frequent interaction with key stakeholders.

IESA – Knowledge Partner Network: IESA has also launched the Knowledge Partner Network (IESA KPN) for an open and transparent information exchange that will assist with decision making. Proactive Indian state owned utilities and regulatory commissions, statutory central government bodies like power research institutes, leading power transmission utilities, Special Economic Zone (SEZ)/ townships, telecom towers and infrastructure industry, industries (metals, petroleum etc.), storage supply chain vendors / manufacturers, universities / research groups, hotel groups and other key market participants in the storage arena are actively taking part in this alliance to broaden the vision and help realize the key goal of the IESA.

For more information on IESA,
Scan this QR code with your smart phone.



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