

THE POWER OF BEING UNDERSTOOD



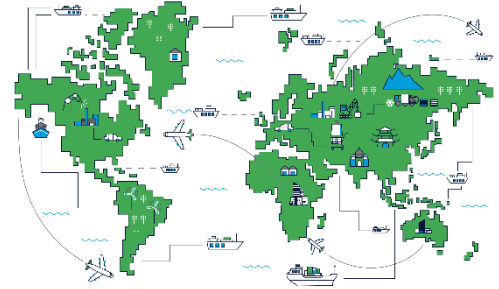
RSM India Newsflash – Navigating Energy Risks: India’s Path to Sustainable and Self-Reliant Growth

Newsflash - Navigating Energy Risks: India's Path to Sustainable and Self-Reliant Growth

For Circulation
23 March 2026

1. The Growing Energy Crisis and The Need for Energy Independence

Recent geopolitical tensions and conflicts in the Gulf region, which is one of the world's major oil producing areas, have further intensified concerns about energy supply. Countries in the Gulf supply a significant share of crude oil to India and many other nations. Any disruption in production, transportation routes or international trade due to war or geopolitical instability can lead to reduced supply and higher fuel prices. As a result, energy costs increase across sectors, affecting electricity generation, cooking fuel, transportation, manufacturing and overall economic stability and growth.



Importantly, the energy crisis is not solely the result of resource depletion. In many cases, it is caused by inefficient energy management, heavy reliance on non-sustainable energy sources, and delays in developing sustainable energy infrastructure. As economic growth and industrial activity expand, these challenges are becoming more significant across the world.

In India, the situation is becoming more critical due to rapid urbanization, increasing industrialization and population growth. The country continues to rely heavily on fossil fuels. These resources are limited and often subject to global price volatility and supply uncertainties. As a result, the risk of energy shortages and rising energy costs remains a major concern for industries and institutions.

The importance of energy independence was strongly emphasized by the former President of India, Shri A. P. J. Abdul Kalam, during his address to the nation on 14 August 2005 broadcast on Doordarshan. In his speech, he stated that *“Energy independence has to be our nation's first and highest priority.”* He envisioned that India should strive to achieve energy independence by 2030 through the development of renewable energy, nuclear power, biofuels and improved energy efficiency.

His vision remains highly relevant today. Energy independence does not only mean having sufficient electricity supply; it also means reducing dependence on imported fuels and building reliable domestic energy systems. Establishments that invest in sustainable energy solutions today will be better protected from future supply disruptions and rising energy costs.

One of the most practical solutions for achieving energy security is the adoption of renewable energy technologies. Solar power systems have become increasingly cost effective and can be installed on rooftops/ ground mounted of residential, commercial and industrial buildings. Solar installations enable establishments to generate their own electricity, reduce dependence on grid supply and lower long-term energy expenses.

Similarly, biogas systems offer an effective solution for industries, institutions and agricultural establishments that generate organic waste. Biogas plants convert organic waste into clean fuel for heating, electricity generation or cooking, while also producing organic fertilizer. This approach supports both energy generation and sustainable waste management.

As energy experts, we strongly advise all clients and stakeholders to begin planning for energy security and partial energy independence. Early investments in decentralized renewable energy infrastructure will strengthen operational resilience and reduce exposure to future energy market uncertainties.



The transition toward sustainable energy is no longer an optional environmental initiative—it has become a strategic requirement for long term economic stability and growth. Establishments that act today will be better positioned to operate efficiently in an increasingly energy constrained world.

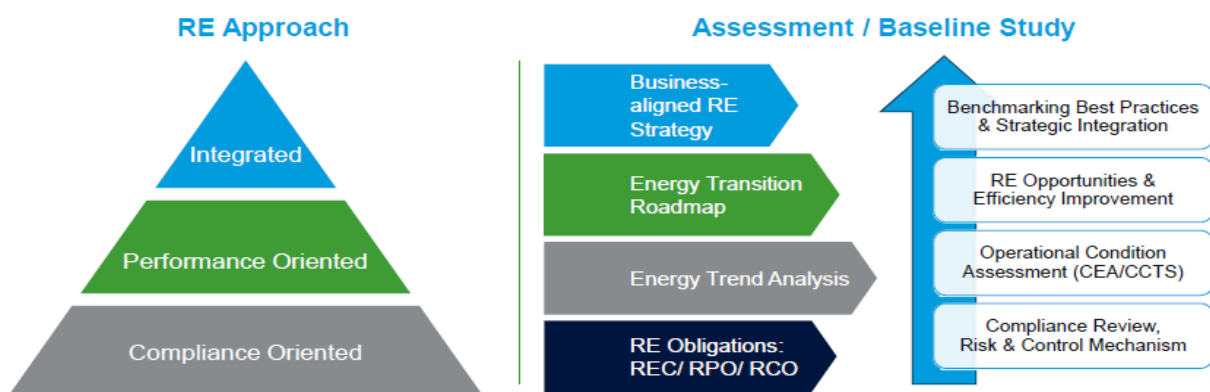
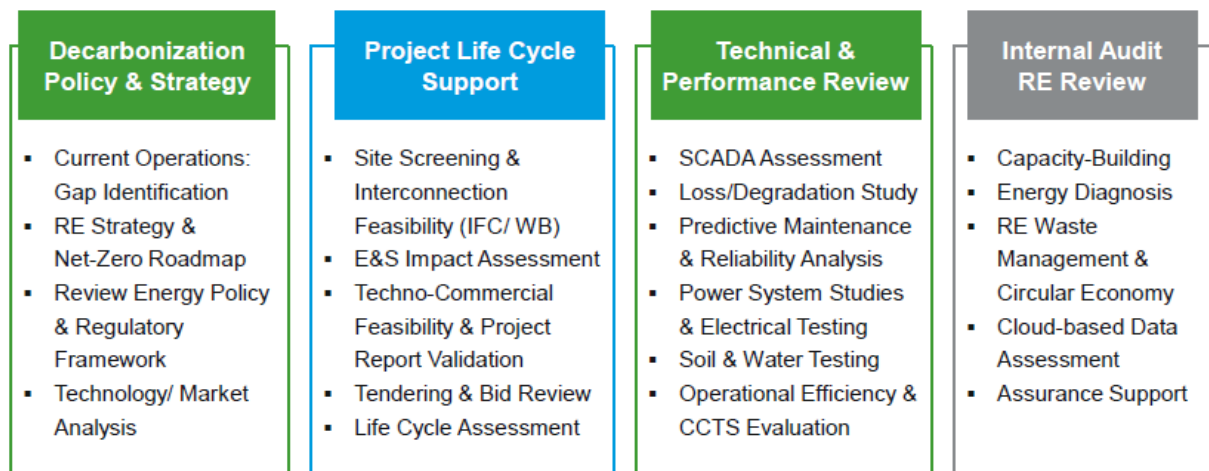
2. Role of RSM ESG & Renewable Energy Advisory Team

The Renewable Energy team of **RSM** works collaboratively with customers, project developers and investors to provide independent advisory, technical review and monitoring support during the engineering and procurement phases of EPC projects. Acting as a third-party advisor, RSM enhances transparency, technical reliability and adherence to industry best practices.

We look forward to partnering with stakeholders in the successful development and execution of **solar and biogas projects**, through focussed technical validation, procurement oversight and risk-based decision making.

Re-engineering Energy for a Sustainable Tomorrow

| Solar | Wind | Green Hydrogen | CBG | BESS | CCUS |



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This newsflash outlines a roadmap for navigating energy risks and advancing India's journey towards sustainable and self-reliant growth. It may be noted that nothing contained in this Newsflash should be regarded as our opinion and facts of each case will need to be analyzed to ascertain thereof and appropriate professional advice should be sought for applicability of legal provisions based on specific facts. We are not responsible for any liability arising from any statements or errors contained in this Newsflash.

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