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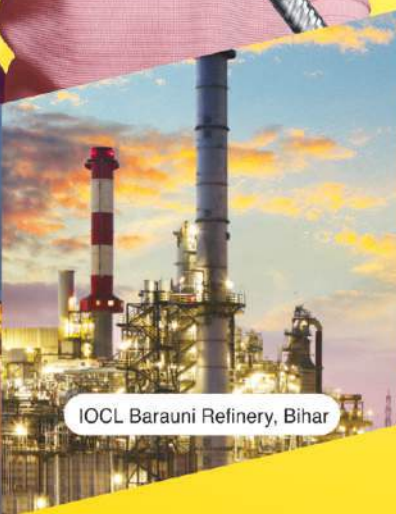


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# Table of Contents

## SECTION FOREWARD

India's Manufacturing and Energy Transition Paving the Path to Economic Growth	02
--	----

## SECTION A (India's Economy)

<b>ARTICLE</b> India's Economy to Remain Strong Despite Subdued Global Growth	05
--	----

<b>REPORT</b> Index of Eight Core Industries - October, 2024 By GOVERNMENT OF INDIA	08
---	----

## SECTION B (Metal & Technology)

<b>ARTICLE</b> Pioneering Circular Economy Practices in the Metals Industry By SMS	13
--	----

Addressing Steel Decarbonisation Challenges for Industry and Policy By OECD	19
--	----

<b>REPORT</b> Crude Steel Production - November 2024 By worldsteel	17
--	----

## SECTION C (Coal)

<b>ARTICLE</b> The Future of Global Coal Demand A 2030 Outlook	29
---	----

Coal Monthly Statistical Report - October 2024 By MINISTRY OF COAL	33
---	----

## SECTION D (Country Focus) ECUADOR

<b>ARTICLE</b> "Ecuador: Balancing Economic Stability and Inclusive Growth Amidst Emerging Challenges" By SERC	38
--	----

## SECTION REPORT

India Strengthens Position as a Global GCC Hub with New Policy and Incentives	43
---	----

"Forging a Sustainable Future: John Cockerill's Vision for Revolutionizing India's Steel Industry and Economy"	47
--	----

Indo-European Symposium Strengthens Indo-German Ties in Engineering and Manufacturing	51
---	----

## SECTION DATA BANK

Steel Market Price	52
--------------------	----

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## India's Manufacturing and Energy Transition Paving the Path to Economic Growth

India is poised to emerge as a global manufacturing and energy powerhouse, driven by supportive government policies, increasing production capacities, and a firm commitment to sustainability. The manufacturing sector, which currently contributes 17% to the GDP and employs over 27.3 million workers, is a cornerstone of India's economic strategy. The government aims to boost this contribution to 25% by 2025, laying the groundwork for achieving \$1 trillion in goods exports by 2030.

### Manufacturing Sector: Towards Global Leadership

India's growth trajectory in manufacturing is bolstered by initiatives such as the National Manufacturing Policy and Production Linked Incentives (PLI). These measures are designed to enhance competitiveness and attract foreign direct investment. Simultaneously, Ease of Doing Business reforms have streamlined processes, fostering an environment conducive to growth. India is also embracing Industry 4.0, integrating digital technologies like automation, IoT, and AI into manufacturing to stay ahead in the global race.

However, despite these advancements, challenges remain. Historically, India's focus on indigenisation to strengthen its civilian and defence industrial base has yielded mixed results. To position itself as a viable alternative to China, India must rethink its manufacturing strategies, emphasizing efficiency, scalability, and international collaboration. Partnerships with countries like the US can be pivotal in transforming India into a global manufacturing hub.

### Energy Transition and Sustainability

India's commitment to renewable energy is a key pillar of its economic and environmental strategy. The nation aims to derive 50% of its energy from renewable sources by 2030, a significant leap from 20% in 2024. Notably, India achieved its COP21 renewable energy targets nine years ahead of schedule in 2021, setting an example for other nations.

Currently, 40% of India's installed energy capacity comes from renewables, and initiatives like household electrification and clean cooking gas access have further solidified India's energy landscape. The country's ability to balance rapid economic growth with environmental sustainability underscores its potential to lead



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