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रिपोर्ट

सऊदी अरब की राष्ट्रीय तेल कंपनी अरामको उत्सर्जन में शीर्ष पर, भारत की कोल इंडिया शीर्ष 10 में

दुनिया में 80% कार्बन उत्सर्जन के लिए 57 कंपनियां जिम्मेदार

अमर उजाला नेटवर्क

नई दिल्ली। पेरिस समझौते के बाद से दुनिया में जीवाश्म ईंधन की वजह से हुए 80 फीसदी कार्बन डाइऑक्साइड (सीओ2) उत्सर्जन के लिए 57 कंपनियां और उत्पादक जिम्मेदार हैं। ये कंपनियां दुनियाभर में जीवाश्म ईंधन और सीमेंट उत्पादन से जुड़ी हैं।

लंदन स्थित थिंक टैंक इन्फ्लुएंस मैप की ओर से जारी विश्लेषण के अनुसार, शीर्ष उत्सर्जकों में पहले स्थान पर सऊदी अरब की राष्ट्रीय तेल कंपनी सऊदी अरामको रही, जो 2016 से 2022 के बीच वैश्विक स्तर पर हुए कुल सीओ2 उत्सर्जन के 4.8 फीसदी के लिए जिम्मेदार थी। दूसरे स्थान पर रूस की गैजप्रॉम रही। कार्बन मेजर्स दुनिया



ये कंपनियां जिम्मेदार

रिपोर्ट के अनुसार जिस 1,42,100 करोड़ मीट्रिक टन सीओ2 उत्सर्जन को ट्रैक किया गया है, उसके 31 फीसदी (44,000 करोड़ मीट्रिक टन) के लिए शेवरॉन, एक्सॉनमोबिल और बीपी प्रमुख हैं। वहीं, 33 फीसदी (46,500 करोड़ मीट्रिक टन) के लिए सऊदी अरामको, गैजप्रॉम, कोल इंडिया और नेशनल इरानी ऑयल कंपनी प्रमुख हैं। शेष 36 फीसदी (51,600 करोड़ टन) के लिए राष्ट्र और राज्य के अधीन कंपनियां जिम्मेदार हैं।

सूची में भारत की चार कंपनियां

1854 से 2022 के बीच सीओ2 उत्सर्जन में योगदान देने वाले दुनिया के 122 प्रमुख तेल, गैस, कोयला और सीमेंट उत्पादकों की सूची में भारत की चार कंपनियां को भी शामिल किया गया है। इसमें कोल इंडिया को 10वें स्थान है। कोल इंडिया इस दौरान हुए वैश्विक सीओ2 उत्सर्जन में 1.49 फीसदी (2,939.1 करोड़ मीट्रिक टन) के लिए उत्तरदायी है। इसके अलावा ऑयल एंड नेचुरल गैस कॉरपोरेशन (ओएनजीसी) 46वें स्थान पर है। इसी तरह सिंगरेनी कोलियरोज 61वें और अदाणी एंटरप्राइजेज 118वें स्थान पर हैं।

में तेल, गैस, कोयला और सीमेंट उत्पादन से जुड़ी सबसे बड़ी कंपनियों का डाटाबेस है। यह जीवाश्म ईंधन और सीमेंट उत्पादन और उत्पादों के उपयोग से होने वाले उत्सर्जन को मापने में मदद करता है। विश्लेषण के

अनुसार, अधिकतर मेगा उत्पादकों ने पेरिस जलवायु समझौते के बाद जीवाश्म ईंधन उत्पादन और संबंधित उत्सर्जन में पिछले सात वर्षों की तुलना में वृद्धि की है। इस अर्बिध के दौरान 100 में से 58 कंपनियों के

उत्सर्जन में वृद्धि देखी गई। सबसे ज्यादा वृद्धि एशिया में हुई। एशियाई देशों की 15 में से 13 कंपनियों ने 2009 से 2015 की तुलना में 2016 से 2022 के बीच करीब चार फीसदी ज्यादा उत्सर्जन किया।

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Brent at \$90: China's recovery may have triggered India's worry

Manish Joshi
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A significant pick up in China's industrial production has led to a surge in commodity prices. China's industrial production grew 7% in the first two months of 2024, a notable rise from the 4.6% growth seen in the whole of 2023.

It is highly likely that China's crude oil consumption has risen in line with the growth in its industrial production, which is reflected in the rise in Brent crude oil prices.

From the low of \$73 a barrel seen on 12 December, Brent crude oil prices have jumped to around \$90 currently. Prices have gained nearly 7% in the last fortnight alone, which is a big worry for an import-dependent country like India.

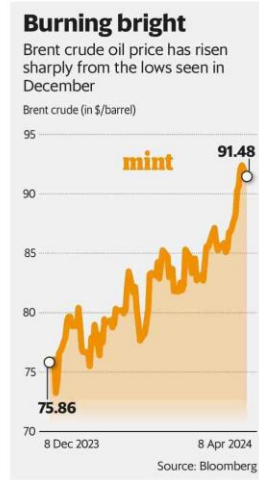
Even for oil-producing companies — Oil and Natural Gas Corp. Ltd and Oil India Ltd — the upside could be limited as there is a fear that the government might raise windfall tax in response to higher crude prices.

Though high crude oil prices augur well for the biofuel manufacturing industry, ethanol manufacturers may not get any immediate boost in the form of an upward revision in prices. Leaving aside higher prices for ethanol, even volume growth prospects are sometimes clouded by the availability of raw material owing to the food versus fuel debate.

The future belongs to the bio-fuel made from multi-feedstock plants, which can operate using multiple sources such as sugarcane, corn, and maize as raw material. Praj Industries Ltd, which is in the business of providing technology and engineering for the multi-feed based biofuel plant, for example, is a company that can benefit from this trend.

Still, the moot question remains: Are bio-fuels losing relevance with the advent of electric vehicles? While

China's industrial production grew 7% in the first two months of 2024, a notable rise from the 4.6% growth seen in 2023



electric vehicles are being promoted as an environment-friendly option to traditional vehicles with internal combustion engines, some analysts think otherwise.

"EVs are not an immediate solution for India, biofuel is. Ethanol is available here and now. EVs may not be as cheap and environment friendly, if we include the environmental cost of batteries and electricity (still mostly from coal) and the cost of charging infrastructure," says Vikram Suryavanshi, analyst at Phillip Capital.

Praj with its leadership in biofuel technology should benefit from upcoming opportunities in bio-energy with a global push for a sustainable environment. The company has a strong balance sheet with net cash of around ₹640 crore and a scalable business model. Based on FY26 estimated earnings by Phillip Capital, the stock trades at a price-to-earnings ratio of 25x.

Day trading guide

22752 » Nifty 50 Futures

S1	S2	R1	R2	COMMENT
22670	22600	22900	23100	Go long on dips at 22710 and 22690 with a stop-loss at 22640

₹1546 » HDFC Bank

S1	S2	R1	R2	COMMENT
1540	1510	1560	1590	Go long only above 1560. Keep the stop-loss at 1555

₹1477 » Infosys

S1	S2	R1	R2	COMMENT
1460	1430	1490	1510	Go short now and at 1485. Keep the stop-loss at 1495

₹429 » ITC

S1	S2	R1	R2	COMMENT
427	424	432	435	Go long only above 432. Stop-loss can be kept at 431

₹269 » ONGC

S1	S2	R1	R2	COMMENT
266	263	272	276	Go long only above 272. Stop-loss can be placed at 271

₹2971 » Reliance Ind.

S1	S2	R1	R2	COMMENT
2960	2940	2990	3010	Go long only above 2990. Keep the stop-loss at 2980

₹768 » SBI

S1	S2	R1	R2	COMMENT
764	760	771	775	Can go either way. Avoid trading this stock for now

₹3973 » TCS

S1	S2	R1	R2	COMMENT
3935	3885	3980	4030	Go short on a break below 3935. Keep the stop-loss at 3945

S1, S2: Support 1 & 2; R1, R2: Resistance 1 & 2.

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GAIL wins prestigious 15th CIDC Vishwakarma Award



GAIL (India) Limited won the prestigious 15th CIDC Vishwakarma Award in the 'Achievement Award for Best Construction Projects' category for its

Barauni – Guwahati Natural Gas Pipeline project (BGPL). GAIL Director (Projects) Deepak Gupta and Executive Director (Projects) AK Tripathi received the award.



Publication : Business Standard	Editions : New Delhi
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Delhi power demand may cross 8 Gw this summer

With warning of severe heatwave this summer which would also push up electricity, power distribution companies (discoms) in the national capital are preparing for record demand in the coming months. The three privately owned discoms in public statements said they are expecting demand to cross 8 gigawatt (Gw) – a new record for Delhi. Reliance Infra BSES Yamuna Ltd and BSES Rajdhani Ltd and Tata Power Delhi Distribution Ltd are the privately run discoms in the capital. PTI

Fuel consumption increased 4.6% to record high in FY24

Fell 0.6% in March

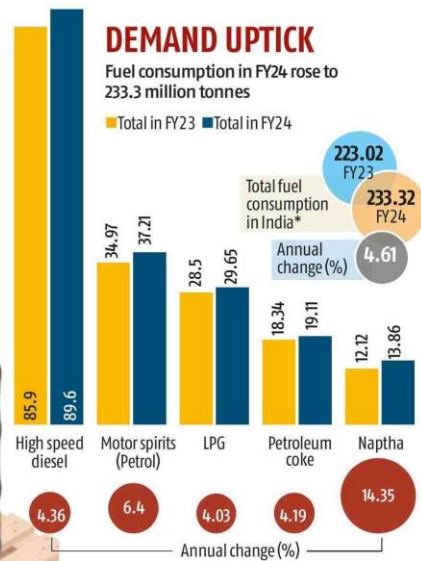
Fuel consumption in India, a proxy for oil demand, increased 4.6 per cent, to hit a record high of 233.32 million tonne (mt) in FY24. This was lower than the 10.57 per cent rise seen in FY23.

The demand fell by 0.6 per cent on an annual basis in March as a result of lesser petroleum coke use, data released by the Petroleum Planning and Analysis Cell (PPAC) has shown. Consumption of fuel was 21.09 mt in March, down from 21.22 mt in March 2023.

The monthly numbers were pulled down by the lower consumption of petcoke, a by-product created by the refining of bitumen into crude oil. Used in the manufacturing of steel, glass, paint, and fertilizers, petcoke usage fell 16.8 per cent in March to 1.63 mt.

Oil demand usually picks up late February, and rises in tandem with the temperature. Case in point, consumption rose

by 13.7 per cent in March, on a sequential basis. Sales of diesel, the most used fuel in the country, rose 3 per cent to 8.03 mt in March. In the past 12 months, sales had reached an all-time high of 8.21 mt in May, 2023. Petrol sales also reached a four-month high, rising 5.1 per cent to 3.14 mt in October. Sales stood at 2.99 mt in the same month of the previous year. **SUBHAYAN CHAKRABORTY**



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● FOCUS ON RENEWABLE ENERGY

NTPC plans to add 5 GW generation capacity in FY25

Company aiming at 130-GW capacity by 2032

ARUNIMA BHARADWAJ
New Delhi, April 8

STATE-RUN NTPC Ltd, the country's largest integrated power utility, aims to add 5 gigawatt (GW) of installed capacity in the financial year 2024-25, the company said on Monday. Of this, the company plans to install 3 GW of renewable energy capacity and the remaining 2 GW of thermal power capacity. The company plans to have a cumulative installed capacity of 130 GW by the year 2032.

The company's annual target for FY25 comes amid its commitment to add 60 GW of RE capacity by 2032 and the government's goal of adding 80 GW of new thermal capacity by 2030.

"NTPC aims to add 3 GW of RE capacity, exemplifying its steadfast dedication to envi-



ronmental stewardship," the company said. "Simultaneously, we aim to add 2 GW to our thermal energy capacity, strengthening India's energy infrastructure."

During the financial year 2023-24, NTPC added 3.9 GW of new installed capacity to its portfolio, taking the cumulative capacity to nearly 76 GW. Presently, the group has an operational RE capacity of 3.5 GW, with another 20 GW in the pipeline. The newly added capacity in FY24 includes the commissioning of a second Unit in Bangladesh and the maiden capacity addition by its

subsidiaries—NGEL and NREL. NGEL is a wholly-owned subsidiary of NTPC and has an operational capacity of over 3.4 GW renewable energy and 26 GW in the pipeline including 7 GW under implementation.

The company is setting up capacities for firm PPA (power purchase agreement), through merchant mode and Commercial and Industrial consumers. NTPC has won nearly 10 GW of RE capacity by participating in various tenders and is looking to expand its non-fossil-based capacity to 45-50% of the company's portfolio at 60 GW, its chairman and managing

director Gurdeep Singh has told FE in an interview earlier.

Currently, NTPC's energy portfolio comprises 81% coal, 9% gas, and 10% non-carbon sources, including renewables and hydro. In addition to renewables, the company has entered the field of nuclear energy through a joint venture with NPCIL and is in an advanced stage of discussions for the development of two nuclear projects with a combined capacity of 4,200 MW to be commissioned by 2032.

The state-run power generation company and its units will also issue orders for 16.8 GW of new coal plants over the next three years, Finance Director Jaikumar Srinivasan had earlier said.

These new plants coupled with 10 GW of coal capacity already under construction will expand NTPC's coal capacity by about 45% from current levels. Further, the company also aims for a 50 million tonne of annual production of coal from its mines in three years to support its new plants.

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NTPC Will Add 5 GW Capacity: 60% to be Green, 40% Thermal

Our Bureau

New Delhi: NTPC aims to add 5 GW of power generation capacity in this financial year, 27% higher than in 2023-24. While 60% of the target will come from renewable energy sources, the rest will be thermal power capacity, the company said in a statement on Monday. The state-owned company and its subsidiaries have an operational renewable capacity of 3.5 GW and a pipeline exceeding 20 GW.

NTPC added 3,924 MW in 2023-24, bringing its cumulative installed capacity to nearly 76 GW.

The company is looking to expand its non-fossil fuel-based capacity to 45-50% of its portfolio, including 60 GW of renewable ener-

gy, with a total portfolio of 130 GW by 2032.

It had won 3,445 MW of renewable energy projects tenders it participated in during the fiscal.

While the company is adding renewable energy capacities, it is ac-

tively considering awarding thermal capacity of 16.8 GW in the near future as part of overall energy security plans, NTPC had said in January this year. This was in addition to the 10 GW thermal capacity already under construction for the group, it had said. The thermal capacity addition is part of the larger aim of the power ministry of adding 85 GW of such capacities by 2032 in order to meet growing demand for electricity in the country.



Publication : The Economic Times	Editions : New Delhi
Date : 9 April 2024	Page : 9

Vehicle Registrations Rise 3% in March on Muted Demand

PV and CV retail sales fell 6% as buyers stayed away during inauspicious Holashtak period

Our Bureau

New Delhi: Vehicle registrations — a proxy for retail sales — went up by a modest 3% year-on-year last month to 2.13 million units amid subdued demand during the eight-day Holashtak period ahead of Holi, which is considered inauspicious. While retail sales of passenger vehicles and commercial vehicles declined by 6% in March, overall industry volumes rose on demand for two-wheelers and three-wheelers, as per registration data collated by industry body Federation of Automobile

Dealers Association (FADA). As many as 2,029,541 vehicles were sold in February. Improved vehicle availability, increased stock levels and new model launches did stimulate demand for passenger vehicles in certain areas, but “the impact of election activities and changes in festival dates also played a role in sales dynamics”, said Manish Raj Singhanía, president of FADA. Dealers retailed 322,345 cars last month, compared to 343,527 units in March 2023. Holi was celebrated on March 25 this year while it was on March 8 in

2023, somewhat limiting the impact of the preceding inauspicious period on retail sales. In the commercial vehicle segment, sales dipped by 5.87% to 91,289 units last month. The announcement of election dates resulted in a temporary reduction in purchases, Singhanía said. He expects demand to recover post-election with decreasing concerns about the forthcoming monsoon. Sales of commercial vehicles have been under pressure for the last few months due to poor agricultural outcomes and financing difficulties. “On the upside, there was strong demand in specific areas such as coal and cement transportation, bolstered by bulk orders and vehicle upgrades, which enhanced customer engagement,” Singhanía said. Retail sales of two-wheelers went up by 5.4% on year to 1,529,875 units last month. “The two-wheeler segment demonstrated resilience and adaptability, with electric vehicle

(EV) sales surging due to the expiration of the FAME 2 subsidy on March 31,” Singhanía said. “Positive market sentiment was supported by seasonal events, improved vehicle supply and financial incentives.” Penetration of electric two-wheelers increased to a record 9.12% last month. In the three-wheeler segment, too, introduction of electric auto-rickshaws and loaders buoyed retail sa-

les. Despite concerns over election-related uncertainties and concerns over policy changes, such as free bus travel for women, the overall outlook for the sector remains upbeat, supported by the quality of vehicles and strong market demand, Singhanía said. Three-wheeler sales rose 17% on year to 105,222 units last month.

24,530,334 units: Last FY, overall vehicle retail sales rose 10% y-o-y

SPEED CHECK



24,530,334 units: Last FY, overall vehicle retail sales rose 10% y-o-y

CV	Total
96,984	2,062,409
91,289	2,127,177
↓ -5.9	↑ 3.1

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ACME Group partners with Hydrogenious for large-scale hydrogen supply chain study

Our Bureau
New Delhi

ACME Group said that it has signed an MoU with Germany's Hydrogenious LOHC Technologies to collaborate on a feasibility study to explore joint development of large-scale hydrogen supply chains. The supply chains, from ACME's projects in Oman to supply hubs in Europe, will utilise the Liquid Organic Hydrogen Carriers (LOHC) technology. Both parties also intend to extend the partnership to evaluate the hydrogen value chain from the US to Europe.

The development assumes importance as storage and transportation of green hydrogen is critical for developing supply chains. Hydrogenious LOHC technology enables safe and cost-effective storage and

transportation of hydrogen using existing liquid fuel infrastructure.

"Oman benefits from abundant renewable energy resources such as solar and on-shore wind while the US Inflation Reduction Act offers production incentives leading to competitive hydrogen production cost. The green hydrogen produced by ACME in these projects can be stored in LOHC and transported by tanker to Europe to supply and decarbonise industrial off-takers, energy and mobility," ACME Group said. "We have taken conclusive decisions on our Oman project and partnering with Hydrogenious to develop efficient logistics using LOHC is the next step in delivering a cost-effective value proposition for our customers." ACME's Group President and Director Ashwani Dudeja said.



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Crude oil slides over 1% as Middle East tensions ease

Singapore: Crude oil prices slid more than \$1 a barrel on Monday, with Brent falling below \$90, as Middle East tensions eased after Israel withdrew more soldiers from southern Gaza and committed to fresh talks on a potential ceasefire in the six-month conflict. Brent crude futures dropped \$1.42 to \$89.75 a barrel by 0430 GMT. REUTERS