



ONGC News as on 27 March 2024 (Print)



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Date :27 March 2024	Page: 8

22095	» Nif	fty 50 Fi	utures	
S1	S2	R1	R2	COMMENT
22000	21800	22150	22240	Short now and on a rally to 22000 Place stop-loss at 22150.
₹1426	» HD	FC Ban	k	
S1	S2	R1	R2	COMMENT
1400	1380	1430	1450	Short the stock as it fell below a suport; stop-loss at 1450.
₹1492	» Inf	osys		
S1	52	R1	R2	COMMENT
1490	1450	1500	1525	Sell the stock below 1490; place the stop-loss at 1515.
₹427	» ITC			
S1	52	R1	R2	COMMENT
420	412	430	435	Go short as the stock is near a resistance; stop-loss at 435.
₹265	» one	3C		
S1	S2	R1	R2	COMMENT
262	258	268	272	Initiate short as there is a resistance; stop-loss at 270.
₹2884	» Re	liance I	nd.	
S1	S2	R1	R2	COMMENT
2860	2835	2900	2920	Short-term trend appears weak; short with stop-loss at 2920.
₹740	» SBI			
S1	52	R1	R2	COMMENT
732	722	745	750	Go short as the stock is near a resistance; stop-loss at 750.
₹3877	» TC	s		
	NAME OF THE PERSON OF THE PERS	200.00	TONG.	1000000
S1	S2	R1	R2	COMMENT



Publication : The Times of India	Editions : New Delhi
Date :27 March 2024	Page : 20

Climate activist Wangchuk ends fast after 21 days, Ladakh statehood stir to continue

In the last three years since Ladakh and J&K became separate Union Territories, some Ladakhis have become restive about broken promises, reports Himanshi Dhawan. Educationist and climate activist Sonam Wangchuk completed his 2I-day hunger strike on Tuesday, sleeping in the open despite temperatures being at a biting -I0 degrees Celsius. Last week, Ladakhi students held protests in Delhi, Pune and Nagpur. Despite assurances of dialogue from Centre, there have been multiple protests in parts of Ladakh

Why are Ladakhis on the streets?

J&K and Ladakh were de-clared two separate UTs fol-lowing the abrogation of Article 370 in August 2019. Soon after the euphoria of having an identity separate from J&K had died, Ladakhi people realised that creation of a UT left them without a legisla ture, depriving them of autonomy in governance. There are also concerns of adequate representation in govt jobs and land rights. In addition, Kargil, which is predominantly Sunni Muslim, was un-happy to be lumped with Buddhist-dominated Leh

A deeper panic has set in at the blistering pace of 'development' projects that have been announced in the last two years. The Centre has cleared seven hydro-electric projects in the Indus basin and its tributaries while also commissioning ONGC to set up a geothermal energy pow-er plant at Puga Valley and a hydrogen unit by NTPC. This has raised concerns among locals of large-scale clearance of forest land.

What are they demanding?
■ Ladakhis believe their in terests will only be protected if they have full statehood. They have also demanded tribal area status under the Sixth Schedule of Article 244 of the Constitution that will provide for establishing autonomous district councils (ADC) in Ladakh and Kargil. ADCs will have the power to impose taxes and make laws in areas such as village administration and forest management, while staving off industrial and mining giants in this ecologically-sen-



sitive region

What is the govt's stand?

Ladakh's demands ceived a fillip in Sept 2019 when National Commission for Scheduled Tribes (NCST) recommended 'tribal area' status for Ladakh under the Sixth Schedule. It felt this would help in "democratic devolution of powers, preservation and promotion of the region's distinct culture, protect agrarian rights and en-hance transfer of funds for the speedy development of Ladakh". It reasoned that over 97% of the population is categorised as Scheduled Tribes and requires these protections. However, the ministry of home affairs did not accept this, and the administration continued to be run under the supervision of the lieutenant governor. Be-tween Jan and Feb 2023, the Leh Apex Body (LAB) and Kargil Democratic Alliance (KDA) that includes political representatives from both re-gions started a series of protests called 'Leh Chalo'.

Starring role by Wang-chuk of '3 Idiots' fame ■The protests might have re-

mained contained but for

Wangchuk who shot to inter national fame after the Bollywood film '3 Idiots' starring Aamir Khan credited his innovative teaching philosophy. The Ramon Magsaysay winner sat on his first climate fast on Jan 26 last year to amplify Ladakhi demands. He created videos and garnered support across the country and the world. He started his second climate fast on March 7, consuming only water and salt. He has been making been making emotive arguments, including protection of the region's sensitive glaciers from excessive cessive industrialisation and previous govts' sympathetic reactions to the peo-

Incidentally, Wangchuk's father sat on a fast for indigenous people's rights in 1984 and broke it on the 16th day when then PM Indira Gandhi flew down to Ladakh to assure him that the concerns would be addressed.

■ Wangchuk's 21-day fast is inspired by Mahatma Gandhi's fasts (in 1933, and again in 1943). Speaking on the last day of his fast he said, "India is the mother of democracy.

We citizens have a very special power. We are kingmak to bower. We are kingmak-ers. We can compel the govt to change their ways or change the govt if that doesn't work. So let us use our ballot power very carefully this time.'

What is the status now?

■ In Dec 2023, the Centre set up a high-powered committee to allay concerns and two meetings were held but not much headway has been made since. There has been reluctance on the part of govt to give in to demands for au-tonomy and statehood, keeping in view the strategic importance of the region. Re cent clashes with Chinese troops in Galwan Valley have made the situation even more sensitive. In the last meeting after March 4a statement made by MHA said that govt was committed to providing necessary Constitutional safeguards to Ladakh. Home minister Amit Shah assured representatives of KDA and LAB that the consultative mechanism will continue to engage on issues such as measures to protect such as measures to protect the region's unique culture and language, protection of land and employment, inclu-sive development and em-ployment generation, and examine constitutional safe-guards for positive out-comes. This however left the

two bodies dissatisfied. Though Wangchuk's fast has ended, the protests are likely to be continued by others. Both sides have dug in their heels. However, with national security at stake the Centre cannot afford to ignore or be dismissive of a restive Ladakh.



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Date :27 March 2024	Page: 3

GAIL plans first green hydrogen project in April

MOHI NARAYAN New Delhi, March 26

STATE-RUN NATURAL GAS COMPANY

GAIL (India) plans to commission its first green hydrogen project in central India in April, three company sources said. The 10-MW proton exchange membrane electrolyser for the green-hydrogen producing unit at the Vijaipur complex in Madhya Pradesh

The unit in Madhya Pradesh is expected to produce about 4.3 tonne of hydrogen per day and would use green power Madhya Pradesh has been imported from Canada, they added.

ada, they added.
"Once the initial hiccups are sorted at the commissioning stage, we expect to start producing in a month's time," one of the

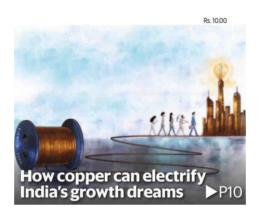
sources said. The unit is expected to produce about 4.3 tonne of hydrogen per day, with a purity of about 99.999% by volume, and would use renewable power. India aims to reach 5 MT of annual green hydrogen production capacity by 2030.

The company's communication

The company's communication office did not respond to a Reuters request for comment. — REUTERS



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Date :27 March 2024	Page : 1, 10

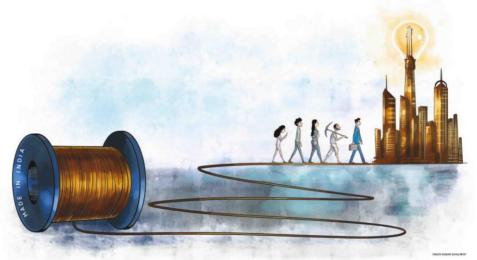




Publication : Mint	Editions : Mumbai
Date :27 March 2024	Page : 1, 10

HOW COPPER CAN ELECTRIFY INDIA'S GROWTH DREAMS

The industrial metal's economic importance has risen in recent years because of the shift to renewable energy and EVs







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Date :27 March 2024	Page : 18

Sterlite Power, GIC to Form \$1-b JV for Transmission Projects

Cos to deploy \$500 m each in SPV that will initially own under-construction projects of SPTL

@timesgroup.com

Mumbai: Vedanta Group's privately held power transmission arm Sterlite Power Transmission (SPTL) and Singapore's sovereign wealth fund GIC are coming together to set up a \$1 billion joint venture platform in the power

transmission sector, according to sources aware of the development. GIC will deploy \$500 million in the joint venture for a 49% stake while Sterlite Power will deploy a similar amount for a 51% stake. An announ-cement is likely shortly.

ET was the first to report in its Oc-tober 25, 2023 edition that the two sides were in talks.

"GIC is coming into a special pur-pose vehicle which will own all the under-construction projects of SPTL. Initially, it will have five projects. And then as we go along, we'll keep adding more and more pro-jects," said Pratik Agarwal, managing director, SPTL. He declined to comment on the financial details of the transactions.

Set for More Power

invest about \$1 b of additional equity to take the ₹30,000 cr

will transfer a cumulative project cost of about ₹**7,500 cr** into this JV

The four assets are opera-tional in Rajasthan(2), Assam and Kashmir

Sources said the platform will invest about \$1 billion of additional equity in the future to take the as-sets under management to over ₹30,000 crore.

Sterlite Power would be transfer-ring four assets with a cumulative project cost of about \$7,500 crore into this JV, pursuant to the closure of the deal. These four assets are ope-rational in Rajasthan(2), Assam and Kashmir. These transmission corridors will be designed to evacuate more than 1000 to 2000 MW of power. Agarwal added that the transmis

THE ECONOMIC TIMES Sterlite Power, GIC plan \$1-B Transmission JV

sion sector has the most robust pipeline compared to other sectors in the country, including renewables. India is targeting to reduce the car-

bon intensity of the economy by over 45% by the end of this decade and also achieve 50% of its cumulative electric power from renewables by 2030. To achieve these goals, India's national transmission grid ne eds to be significantly upgraded to support the widespread adoption of renewable energy. "The total investment in transmis-

sion expected in the next seven vears is about ₹2.5 lakh crores. And as of now, we are sitting on close to ₹1.6 lakh crores of approved projects. The sector has only around four to six players. This is a very large op-portunity that requires deep pockets and hence this transaction with GIC is very timely," Agarwal added. GIC did not respond to an email un-

til press time.

GIC will make the investments in multiple tranches. While around \$100 million has already been injected into the JV, around \$100-200 million will be injected in the next quar-ter and the rest will flow whenever the JV makes capital calls for transmission project tenders and plan-

ned capex.

SPTL, the privately held power transmission arm of Vedanta Gro-up, is demerging its business to cre-ate pure-play business verticals based on its end-customer base, inves-

tor class, and returns.

SPTL-formed through a demerger from Sterlite Technologies in 2016 is 75% owned by Vedanta's Anil Agarwal family with the remaining held by minority shareholders



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Date :27 March 2024	Page: 11

Coal supplied for gasification should be priced lower than that for power sector: NITI Aayog

Abhishek Law Rishi Ranjan Kala

The price of coal supplied for gasification should be kept at a notified price lower than that for coal supplied to the power sector. It can be charged on extraction basis so as to create certainty in the minds of developers of coal gasification projects in the public or private sector, NITI Aayog suggested at a recent meeting called to review the progress of coal gasification projects.

coal gasification projects.

According to those present in the meeting (a copy of the minutes was accessed by businessline), NITI Aayog will provide a comfort letter to the Ministry of Coal

The joint meeting of the steering committee and technical standing group on the Coal Gasification Mission was held under the chairmanship of VK Saraswat, Member, NITI Aayog.

TOPICS COVERED

The discussions covered technologies, ash content suitability for coal gasification, cost estimates on coal gasification projects, the technology readiness level of pilots, preparation of reports of gasification projects, minimum size of plants, and parameters for tariff-based competitive bidding projects, among others.

projects, among others.

The meeting also took up the need for a support letter from the NITI Aayog on the supply of coal for gasification projects at low prices.

According to Amrit Lal Meena, Secretary, Ministry of Coal, the Centre wants more coal to be gasified so that syngas-based chemicals can be manufactured



THE LARGER PLAN. The Centre wants more coal to be gasified so that syngas-based chemicals can be manufactured and import substitution takes place REUTERS

and import substitution takes place.

"The government has taken major policy decisions to promote coal gasification," he had previously told businessline.

According to the official, the requirements broadly include land, raw materials, finances, technology and market.

The government has approved a land leasing policy for setting up energy related infrastructure on land belonging to coal mining companies. Anyone setting up a coal gasification unit can look for land and lease it.

On raw materials, if the investor in a coal gasification project is a captive or commercial mine owner, then 50 per cent of the revenue share is incentivised, if it is used for gasification.

"For those who do not have

"For those who do not have captive or commercial mines, Coal India will offer coal on a long-term basis at subsidised prices (a little higher than the notified price)," Meena said, adding: "it will be through a separate window". Institutions such as banks, PFC and REC have shown interest in financing such projects.

"Based on our assessment, (and) keeping in view the global price of finished products, it was noted that there is a certain viability gap. To compensate for the viability gap, the government has approved a scheme to promote coal gasification and allocated \$8,500 crore for various plants," the official said.

In terms of technology, products such as ammonium nitrate are consumed by the coal miners. These products are consumed by fertiliser and petrochemical companies as well. Over the last one month, since the scheme was approved, inquiries have started to come, the Ministry official said, adding: "We are getting a good response from the private sector. We will be coming out with a draft RFP shortly and seek comments from stakeholders. Thereafter, we will come out with a final RFP." Post that, the Ministry will invite proposals and

give three months time to seek responses. "But responses so far are posit-

"But responses so far are positive, optimistic and forthcoming. RFP will come in FY25," Meena said

OTHER DECISIONS

It was also decided at the Steering Committee meeting that all gasification projects, including the fertiliser sector and existing gasification plants, should be treated under the Gasification Mission. They may be made eligible for the same relaxation under the scheme.

der the scheme.

"The Ministry of Coal needs to relook the matter for the issuance of a necessary policy directive to promote coal gasification in India," it said.

Also, the minimum size of demonstration projects need to be considered at 100 MT; while discussions also centred around the need "to relook the pricing of lignite in order to reduce the end product price after the coal gasification projects."

fication projects."

"NLCIL needs to review cost estimates in consultation with GAIL/ JSPL for their lignite to gasification project proposed at Neyveli, Cuddalore.

"Accordingly, the decision to re-tender may be taken in order to reduce the end-product price," the minutes of the meeting said.

A committee will also be constituted under the chairmanship of the Department of Science & Technology and representatives from NITI Aayog, Ministry of Coal, Ministry of Steel, IIT-Delhi, IIT-Bombay, CIL, ISC Bengaluru, CIMFR Dhanbad and other industry experts, for an assessment of the tech readiness and maturity of the technology developed through the R&D plants.



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Date :27 March 2024	Page: 3

IOC awaits sanctions relief extension to resume Venezuelan oil purchase

Reuters New Delhi

Indian Oil Corp will consider resumption of Venezuelan oil purchases if the US continues with a relaxation in sanctions against the OPEC-producer, the company's chairman said.

IOC is scheduled to get a cargo of Venezuelan oil next month, according to LSEG trade flow.

"We will consider buying Venezuelan oil if the relief provided now stays and if Venezuelan crude makes commercial sense for us," Shrikant Madhav Vaidya told Reuters. Reuters.



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Date :27 March 2024	Page: 8



EV giant BYD posts slowest quarterly profit in 2 years

Chinese electric vehicle giant BYD reported an 18.6 per cent rise in fourth-quarter profit on Tuesday, its slowest since the first quarter of 2022, as EV sales lost momentum in the world's biggest auto market amid a brutal price war.

Net profit totalled 8.67 billion yuan (\$1.20 billion) last quarter, with revenue up 15.1 per cent at 180.04 billion yuan, according to BYD's stock market filing.

REUTERS



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Date :27 March 2024	Page: 8

China set to challenge **USEV plans at WTO**

REUTERS 26 March

China has initiated dispute settle-China has initiated dispute settlement proceedings against the United States at the World Trade Organization to safeguard its interests in the electric vehicle industry, the Chinese mission said on Tuesday and the WTO confirmed.

China said it was contesting "discriminatory subsidies" under the US Inflation Reduction Act that it said resulted in the exclusion of goods from China and other WTO countries.

other WTO countries.

The wide-ranging law provides billions of dollars in tax credits to help consumers buy electric vehicles and companies produce renewable energy, as President Joe Biden aims to decarbonise the mighty US power sector.

"Under the disguise of responding to climate change, reducing carbon emission and protecting environment, (these subsidies) are in fact contingent upon the purchase and use of goods from the United use of goods from the United States, or imported from certain particular regions," the Chinese mission said.

It said it was launching the proceedings "to safeguard the legitimate interests of Chinese electric vehicle industry and to maintain a fair level playing field of competition for the global market". A WTO official confirmed that

a request from China for dispute consultations on the matter had been received, without providing details.

In Beijing, a spokesperson for China'Os Ministry of Commerce said it urged Washington to "promptly correct discriminatory industrial policies, and maintain the stability of the global indus-trial and supply chains for new energy vehicles".



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Date :27 March 2024	Page : 5

Adani eyes 45 GW green capacity by 2030

BILLIONAIRE GAUTAM
Adani's group is building the
world's largest renewable
energy park in Gujarat, as it
eyes a massive 45 GW capacity to generate electricity
largely from solar energy.

Speaking at the opening of 'Energy Revolution: The Adani Green Energy Gallery' at the Science Museum in London, Gautam Adani said his group's renewable energy arm, Adani Green Energy, is

leading an energy transition that honours the commitment of taking care of the planet not just for this generation and the next but also for generations to come.



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Date :27 March 2024	Page: 2

India to give timeline for oil demand peak, firms watch

The key modelling exercise is being undertaken by the Petroleum Planning & Analysis Cell

Rituraj Baruah

rituraj.baruah@livemint.com NEW DELHI

ndia is working on a plan for estimating the timeline for peak oil consumption, said two people aware of the development, in a move that could impact the global oil economy architecture.

The modelling exercise undertaken by the Petroleum Planning & Analysis Cell (PPAC), an agency under the union ministry of petroleum & natural gas will also help the world's third largest oil buyer plan for its future refining capacity, said one of the people cited above.

India is a key Asian refining hub, with an installed capacity of about 254 million tonnes per annum (mtpa).

With the fourth largest cumulative refining capacity in the world, the government plans to add around 56.6 mtpa for cude oil refining capacity till 2030, including both brownfield and greenfield expansion.

The exercise will give policymakers an idea of when India is likely hit the highest anticipated level of consumption, post which the yearly consumption is expected to plateau out and then decline.

"PPAC is working on it. The government's approval would be required for releasing the estimates," said the person mentioned above.

The person said peak oil in India is



The exercise comes at a time of rising concern over climate change and global efforts to curb the use of petroleum products.

BLOOMBERG

generally expected to be reached about five to six years after the global consumption peak is hit.

254 mtpa

installed refining

"It would depend on greater penetration of EVs. Oil consumption

will continue to grow till EV adoption does not gain pace," said the other person.

Queries mailed to the union ministry of petroleum and natural gas remained unanswered at press time.

The International Energy Agency last year said global oil consumption would reach its peak by 2030. The IEA had said the peak may be followed by "an undulating plateau lasting for many years".

ing net zero carbon emis-

The exercise comes at a time of rising concern over climate change and global efforts to curb the use of petroleum products. Phasing out and eventually ending oil consumption is key to the global target of restricting global warming to 1.5 degrees Celsius above the pre-industrial average by 2030 and achievadded by 2030 will touc A time ment we get the pre-industrial average by 2030 and achievalent constant of the pre-industrial average by 2030 and achievalent constan

sion by 2050.

India has set an ambitious net zero target of 2070. Even as India has its own initiatives to support the shift towards electric mobility and also bring in transition in industries, demand for

petroleum products in the country is projected to remain robust in the coming years. According to the IEA, India will surpass China as the largest driver of global oil consumption by 2027.

"Underpinned by strong economic and demographic growth, the country is on track to post an increase in oil demand of almost 1.2 mb/d (million barrels per day) the forecast period, accounting for more than one-third of the projected 3.2 mb/d global gains," said its 'India Oil Market Outlook 2023' report.

The petroleum product demand, that includes petrol, diesel, liquefied petroleum gas, aviation turbine fuel and naptha among others, touched a high of 222.3 million tonnes in FY23, and is expected to hit a new record of 232.56 mt this fiscal (FY24). According to estimates by the PPAC, in FY25, it will touch a new high of 238.95 mt.

A timeline from the Indian government would be a major indicator for global oil producers on the

likely market scenario that they need to cater to in the coming years as India is the third largest buyer of oil, after the US and China.

y 2030 Further, the timeline would also be significant as India has been pressing the Organization of the Petroleum Exporting Countries (Opec) to take into consideration the requirements of oil-consuming nations as it continues with its production cuts.

Page 13 of 14.



Publication : The Hindu Business Line	Editions : Mumbai
Date :27 March 2024	Page: 3

India's solar power projects expected to generate 600 kilotonnes of waste by 2030: CEEW study

Rishi Ranjan Kala New Delhi

India, which generated 99 kilotonnes of solar photovollaic (PV) waste till FY23, is expected to generate around 600 kilotonnes (KT) of additional waste from existing and upcoming solar power projects by 2030.

A recent study by the Council on Energy, Environment and Water (CEEW) reveals that most of this waste will come from Rajasthan, Gujarat, Karnataka, Andhra Pradesh and Tamil Nadu.

SOLID WASTE

As India expands its renewable capacity to go net-zero, the cumulative waste from its existing and new solar energy capacities, deployed between FY24 and FY30, would fill up 720 Olympic-size swimming pools by the



TOP STATES. Rajasthan alone will account for 24 per cent of this waste, followed by Gujarat (16 per cent) and Karnataka (12 per cent) REUTERS

end of this decade. "The waste from India's current installed solar capacity alone will increase to 340 KT by 2030, containing about 10 KT of silicon, 12-18 tonnes of silver and 16 tonnes of cadmium and tellurium — the majority of which are critical minerals for India," CEEW study revealed.

About 67 per cent of this waste is expected to be generated in five states, which are the top States for installed solar capacity. Rajasthan alone will account for 24 per cent of this waste, followed by Gujarat (16 per cent) and Karnataka (12 per cent). Between FY14 and FY30, Rajasthan and Gujarat

will have generated about 4.1 KT and 2.7 KT of waste per annum, respectively. The remaining three states could generate 2.0 to 1.2 KT of waste per annum.

The study found that the rest of the 260 KT of waste will come from new capacity that will be deployed in this decade. This is an opportunity for India to emerge as a leading hub of the circular economy for the solar industry and ensure resilient solar supply chains, it pointed out.

By 2040, the cumulative waste could increase more than eight times, to reach 4,981 KT. Around 74 per cent (3,689 KT) of this will come from existing capacity (until FY23), and the remaining 26 per cent (1,292 KT) from new installations (post-FY23).

This increase is because existing installations will

have reached end-of-life (EoL). As for 2050, all the capacity deployed until 2030 will have reached EoL, generating a cumulative waste of 18,980 KT (about 19000 KT). The annual waste quantum between 2047 and 2050 would decrease as the majority of the installed capacity has already reached EoL and no new capacity additions are assumed post 2030.

no new capacity additions are assumed post 2030.

The CEEW study emphasised that estimating PV waste is the first step in establishing a circular economy for the solar industry. Efforts from all stakeholders are required to create a comprehensive circular economy ecosystem.

The policy think tank suggested that the Ministry of New and Renewable Energy (MNRE) should create and update a comprehensive database of installed solar capacity.