



ANGVA2U Info 04/2022. 10th April 2022 (for ANGVA members only)

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1.0 Selected News / Articles

1.1 India

50 CNG buses to hit Patna roads soon

6th April 2022. By Faryal Rumi / TNN



PATNA: After banning the diesel-run autorickshaws and 15-year-old buses from plying on [Patna](#) roads from April 1, the transport department is now planning to convert all the diesel buses to compressed natural gas (CNG). The department has procured 50 CNG-run buses to phase out all the yellow diesel-

powered buses from Patna municipal area and neighboring Danapur, Khagaul and Phulwarisharif.

The 24-seater green buses will hit the city roads in the first phase by the end of this month. According to officials, there are around 370 diesel-run mini buses in Patna and they will be phased out in eight phases.

State transport department secretary [Sanjay Kumar Agarwal](#) said the focus was on introducing eco-friendly public vehicles like electric and CNG-run buses to fight the rising levels of pollution in the city. “The diesel buses will be replaced by CNG ones in phases. The department has already procured 50 mini CNG buses which will be seen on the roads by April-end. The new buses are environment-friendly and cost-efficient,” he added.

Agarwal added in a bid to replace 50 buses in the first phase, applications were invited from private bus operators and the government gave subsidy. “Under the scheme, the state government is giving 50% subsidy or Rs 7.5 lakh (whichever is higher) for purchase of each bus (BA VI). Besides, we are also procuring 100 standard-size CNG buses for city as well as intercity routes. These buses will run from June,” Agarwal said.

The [Bihar State Road Transport Corporation \(BSRTC\)](#) has fitted CNG kits in 20 diesel-run buses. Altogether 70 CNG and 25 electric buses are currently plying in Patna. A BSRTC official said the diesel-run buses have already been converted to CNG, except on intercity routes like Patna-Biharsharif via [Nalanda](#) and Patna-Hajipur. “Once new CNG buses arrive, the remaining diesel-run buses on intercity routes from Patna will be phased out. CNG and electric buses are cost effective and they go a long way in reducing automobile emission,” the official added.

Source: <https://timesofindia.indiatimes.com/city/patna/50-cng-buses-tohit-city-roads-soon/articleshow/90673605.cms>

1.2 India

21 bids for licence to retail CNG to automobiles and piped cooking gas to households in five areas

9th April 2022. PTI.

Synopsis

The Petroleum and Natural Gas Regulatory Board (PNGRB) had offered five Geographical Areas (GAs), spread over 27 districts in five states, in the 11A city gas distribution (CGD) bid round. Bids for the five GAs were received on April 6, PNGRB said in a statement. "21 bids have been received from 7 bidders with no single bid in any GA."



Seven companies have put in 21 bids for licence to retail **CNG** to automobiles and piped cooking gas to households in five areas in states like Uttar Pradesh and West Bengal, oil regulator **PNGRB** said. The **Petroleum and Natural Gas Regulatory Board** (PNGRB) had offered five Geographical Areas (GAs), spread over 27 districts in five states, in the 11A city gas distribution (**CGD**) bid round.

Bids for the five GAs were received on April 6, PNGRB said in a statement. "21 bids have been received from 7 bidders with no single bid in any GA." It, however, did not identify the bidders. A sixth GA of Yanam in Puducherry has been added to the bid round and bids for this area are due on May 10, it added.

The five GAs offered in the 11A bid round include Lakhimpur Kheri, Sitapur, Siddharth Nagar and Maharajganj districts of Uttar Pradesh rolled into one GA. Banka in Bihar, and Dumka, Godda and Sahibganj districts of Jharkhand have been clubbed into one GA.

In West Bengal, Birbhum, Murishdabad, Malda and Dakshin Dinajpur districts have been clubbed into one GA.

Chhattisgarh's Koriya, Surajpur, Balrampur and Surguja districts have been clubbed into one GA, while Kondagaon, Bastar, Sukma, Narayanpur, Bijapur and Dantewada into another.

"Upon finalization of bids under this bidding round, approximately 88 per cent of the country's area would be authorized for development of CGD Network to provide access to natural gas to approximately 98 per cent of the country's population," PNGRB added.

Source: <https://economictimes.indiatimes.com/industry/energy/oil-gas/21-bids-for-licence-to-retail-cng-to-automobiles-and-piped-cooking-gas-to-households-in-five-areas/articleshow/90742688.cms>

1.3 India

CNG prices in Delhi, Mumbai, Gujarat see steep hike

6th April 2022. By PTI.

Mahanagar Gas Limited (MGL) raised compressed natural gas (CNG) price by Rs 7 per kg to Rs 67 per kg in Mumbai while Gujarat Gas hiked rates by Rs 6.5 per kg to Rs 76.98



In the national capital, Indraprastha Gas Ltd (IGL) raised CNG price by another Rs 2.5 per kg, taking the total increase in rates in the last one month to about Rs 10 per kg. CNG prices in Delhi, Mumbai and Gujarat on Wednesday saw steep hikes after the government raised input natural gas prices to record levels.

[Mahanagar Gas](#) Limited (MGL) raised compressed natural gas (CNG) price by Rs 7 per kg to Rs 67 per kg in Mumbai while [Gujarat Gas](#) hiked rates by Rs 6.5 per kg to Rs 76.98. In the national capital, [Indraprastha Gas](#) Ltd (IGL) raised CNG price by another Rs 2.5 per kg, taking the total increase in rates in the last one month to about Rs 10 per kg.

CNG in the National Capital Territory (NCT) of Delhi now costs Rs 66.61 per kg, according to the information posted on the website of Indraprastha Gas Ltd (IGL) – the firm which retails CNG and piped cooking gas in the national capital and adjoining cities.

According to MGL, the price of cooking gas piped to household kitchens too has been increased to Rs 41 per cubic meter in Mumbai. There was no change in rates of piped cooking gas by Gujarat Gas or IGL. In Delhi, it costs Rs 41.61 per cubic meter.

Prices vary from city to city depending on the incidence of local taxes such as VAT.

The increases come on the back of the government more than doubling natural gas prices to USD 6.1 per million British thermal unit from April 1. Natural gas when compressed becomes CNG for use as fuel in automobiles. The same gas is also piped to household kitchens and industries for cooking and other purposes.

The increase in CNG prices follows Rs 10 per litre hike in [petrol](#) and diesel prices in 16 days and a Rs 50 per cylinder raise in the cooking gas LPG rates.

A record 137-day hiatus in petrol and [diesel price](#) revision ended on March 22. On the same day, the price of a 14.2-kg LPG cylinder was increased to Rs 949.50 in the national capital. In some places, the LPG price has touched Rs 1,000.

Last week, MGL had announced a reduction in the retail price of CNG by Rs 6 per kg and piped gas by Rs 3.50 per scm, effective April 1 after the Maharashtra government cut VAT on the fuel from 13.5 per cent to 3 per cent.

Accordingly, the retail price of CNG was cut by Rs 6 to Rs 60 per kg and domestic piped natural gas (PNG) by Rs 3.50 to Rs 36 per standard cubic meter (scm) in and around Mumbai. However, the rates have now been increased.

Source: <https://www.financialexpress.com/market/commodities/cng-prices-in-delhi-mumbai-gujarat-see-steep-hike/2483731/>

1.4 India

Delhi, cab, auto drivers threaten strike against CNG price hike, demand fare revision

7th April 2022. By Newsd

Associations of auto, cab and taxi drivers will hold protests against the Centre as well as the city government at Jantar Mantar on Friday and at the Delhi Secretariat on April 11 against rise in CNG prices.



With a sharp hike in CNG prices, auto, cab, and taxi drivers in the city have threatened to go on an "indefinite strike" from April 18 if the government doesn't provide subsidy on the fuel or increase the fare.

Associations of auto, cab and taxi drivers will hold protests against the Centre as well as the city government at Jantar Mantar on Friday and at the [Delhi](#) Secretariat on April 11 against rise in CNG prices.

Sarvodaya Drivers Welfare Association Ravi Rathor, who claims to have around 4 lakh drivers as members in Delhi-NCR, said that his association will go on an “indefinite strike” if their demands to reduce CNG prices or increase in fare are not fulfilled.

”We are demanding a reduction in CNG rates and if the prices cannot be slashed then the fare should be increased to cope with the price rise. ”There has been no revision in Ola and Uber fares for the last 7-8 years. In the protest tomorrow we will also take a call on an indefinite strike,” Rathor told PTI.

Rajendra Soni, Delhi Auto Rickshaw Sangh’s general secretary, said that the price hike in rates of CNG is “unprecedented” and it is becoming hard for taxi, cab, and auto drivers to survive.

Around 1 lakh auto rickshaws are currently plying in the national capital.

Soni said that his association has written to Chief Minister Arvind Kejriwal to provide a subsidy of Rs 35 per kg on CNG. ”We will go on an indefinite strike from April 18 if our demand is not met. We have also decided to stage a symbolic protest at the secretariat on April 11 to oppose the price hike,” Soni told PTI.

He said that the representatives of other auto and taxi unions such as the Delhi Pradesh Taxi Union and the All Delhi Auto Taxi Transporters [Congress](#) Union will also participate in protests and the strike.

Delhi’s public transport, including cabs, autos, taxis and buses, is majorly CNG driven. CNG prices in the national capital on Thursday were hiked for the second day in a row by Rs 2.50 per kilogram, taking the total increase since March to Rs 12.5 per kg.

CNG in the National Capital Territory (NCT) of Delhi now costs Rs 69.11 per kg, up from Rs 66.61 per kg a few days ago, according to the information posted on the website of Indraprastha Gas Ltd (IGL) – the firm which retails CNG and piped cooking gas in the national capital and adjoining cities.

Soni further said that when the city government can provide subsidy on electricity and water, it can afford to give a breather to auto and cab drivers as well.

”The government is giving discount on liquor then why cannot they give subsidy on CNG prices? This is a public welfare decision which the governments should not hesitate to take,” Soni said.

Delhi-NCR Transport Ekta Manch general secretary Shyam Sundar also said that his association opposes the hike in CNG and other fuel prices and demanded that the Centre and the city government reduce the fuel prices. ”We oppose the steep hike in CNG and other fuel prices. They should provide some breather to auto and cab drivers by reducing the rates. We will soon take a call about the future course of action,” Sundar said.

The increase in CNG prices follows an overall hike by Rs 10 per litre in petrol and diesel prices in the past 16 days, and a Rs 50 per cylinder jump in the LPG rates.

Source: <https://newsd.in/delhi-cab-auto-drivers-threaten-strike-against-cng-price-hike-demand-fare-revision/>

1.5 Austria

OMV unit launches green gas trading platform in Austria

5th April 2022. By The Nation.



April 5 (Renewables Now) - Central European Gas Hub AG (CEGH), part of oil and gas group OMV AG (VIE:OMV), has launched a platform for the marketing of green gases, such as biogas and hydrogen, in Austria which will be expanded to other countries in Central and Eastern Europe in the future.

Image by Central European Gas Hub AG (CEGH). All Rights Reserved.

Initially, the CEGH GreenGas Platform will be a marketplace for biogas and will enable the purchase and sale of biomethane with or without guarantees of origin, CEGH said on Monday. Once green hydrogen is available on the market, it will be traded on the platform.

"The CEGH GreenGas Platform is the right step towards a pioneering future for the gas industry. In addition to the diversification of natural gas sources, green gases are absolutely important for security of supply in Austria," said OMV's deputy chief executive Johann Pleininger.

The availability of green gases is expected to grow considerably in the next years and reach 5 TWh in 2030 compared with the 0.1 TWh of biomethane that is being fed into the Austrian network currently.

In the initiative, CEGH is cooperating with the European Energy Exchange (EEX) which last week unveiled a plan to establish a trading market for hydrogen.

CEGH, in which the Vienna Stock Exchange and Slovakian gas grid operator Eustream a.s hold minority stakes, claims to be operating the largest gas trading place in Central and Eastern Europe with a total trading volume of 749 TWh in 2021.

[Source: https://renewablesnow.com/news/omv-unit-launches-green-gas-trading-platform-in-austria-779799/](https://renewablesnow.com/news/omv-unit-launches-green-gas-trading-platform-in-austria-779799/)

1.6 United States of America

Las Vegas factory to convert gas from landfills into hydrogen to power vehicles

3rd April 2022. Bloomberg

The \$250m unit will have daily capacity to produce up to 30 tonnes of liquid hydrogen



A hydrogen filling station in Herten, Germany. France's Air Liquide is opening a factory near Las Vegas that will convert methane from landfills into hydrogen to power emission-free cars and lorries. AFP

The French industrial gas company Air Liquide is opening a factory near Las Vegas this month that will convert methane from landfills into hydrogen to power emission-free cars and lorries.

The \$250 million plant will have the capacity to produce up to 30 tonnes of liquid hydrogen a day, enough for about 40,000 fuel-cell vehicles, Mike Graff, an Air Liquide executive vice president, said in an interview.

Air Liquide plans to ship all of the plant's output to California, although there are only about 12,000 hydrogen vehicles registered in the state. Yet the company expects demand for hydrogen as a transport fuel to surge, particularly in long-haul vehicles, as California pushes to decarbonise its economy by 2045.

Battery packs big enough for electric lorries add enormous weight, and fuel cells running on hydrogen are far faster than batteries to refuel — a key consideration for long-haul drivers.

“Five minutes later, you’ve taken on a full load of hydrogen and you’re back on the road again,” Mr Graff said.

The plant will use landfill gas as its raw material, preventing the methane in the gas from escaping into the atmosphere and contributing to global warming.

The landfill gas will be purified into renewable natural gas, then hydrogen will be stripped from it using steam reformation. Although steam reformation releases carbon dioxide — another greenhouse gas — Mr Graff said those emissions will be offset by the benefits of keeping the original methane out of the air.

Air Liquide will supply the hydrogen to FirstElement Fuel, a California company that operates hydrogen fuelling stations. Air Liquide invested \$12m in FirstElement in 2019.

Source: <https://www.thenationalnews.com/business/energy/2022/04/03/las-vegas-factory-to-convert-gas-from-garbage-into-hydrogen-to-power-vehicles/>

1.7 Mongolia

Jade signs MoU with UB Metan LLC

5th April 2022. By Jessica Casey, Assistant Editor, World Coal.

Jade Gas Holdings has signed a non-binding gas offtake memorandum of understanding (MoU) for potential gas sales to Mongolia's largest LNG importer and gas distributor, UB Metan LLC (UBM).

Non-binding offtake MoU

Jade has signed a non-binding gas offtake MoU, dated 4 April 2022, with UB Metan LLC, Mongolia's largest LNG distributor and an existing major shareholder of Jade. The partnership is driven by an alignment to support Mongolia's desire for improving the country's energy independence, energy mix, and meeting climate change commitments that will ultimately improve the health and well-being of its people.

The terms of the MoU include:

- UBM to have a non-exclusive option for gas supply from initial production from Jade's TTCBM Project.

- The parties working toward negotiating a binding gas sales agreement that will contemplate commercial terms on a long form offtake agreement (expected following the outcome of the 2023 pilot production programme at TTCBM).

The MoU sets the foundation for UBM to become an integrated partner, which could include the potential provision of necessary infrastructure to support on-site compression of natural gas (CNG) and transportation to Ulaanbaatar, nearby towns and mining sites.

Jade CEO, Chris Jamieson, said: “This MOU sets a framework and visible pathway as we plan for commercial options for Jade’s TTCBM Project. As Mongolia’s largest gas distributor and major shareholder in Jade, a partnership with UB Metan LLC is logical and sensible in the context that we are both fully aligned on our ambition to deliver an independent cleaner energy supply.

“The TTCBM Project continues to progress well following the recent discovery of thick gas bearing coal seams. The team continues to move ahead with the final stages of our current six well and technical programs which sets us on track to book an initial contingent resource.”

UB Metan LLC CEO, Basjargal Bold, added: “We are very pleased to have signed the MoU with Jade, which formalises our desire to take future gas production from the TTCBM Project. We believe the Jade team has the capability needed to deliver Mongolia’s first commercial gas production from the highly sought after TTCBM Project. As Mongolia’s largest importer and distributor of gas, a key driver for the future prosperity of our business at UB Metan LLC is a secure and reliable domestic source of natural gas that is located close to future customers. The TTCBM Project ticks all the boxes in this regard and we look forward to supporting Jade to ensure this project reaches its full potential.”

Source: <https://www.worldcoal.com/cbm/05042022/jade-signs-mou-with-ub-metan-llc/>

1.8 Global

Emissions must peak by 2025 to prevent disastrous climate change effects, according to new UN climate report

4th April 2022. By Julia Jacobo and Stephanie Ebbs

The report called for rapidly phasing out fossil fuels amid the energy crisis.

As the world pushes to decrease its reliance on oil, especially amid the energy crisis exacerbated by Russia's invasion of Ukraine, the United Nations' climate panel is warning that existing fossil fuel infrastructure will need to be abandoned in order to reduce global warming.

Countries are not on track to limit global warming to 1.5 degrees Celsius, the conservative figure established by the Paris Agreement, according to the latest report by the U.N. Intergovernmental Panel on Climate Change that was released Monday.

Global emissions will need to peak by 2025 at the latest, and then steeply reduce thereafter, to prevent worsening impacts, according to the report.

The report warns that "considerable fossil fuel infrastructure" will need to be abandoned to sufficiently reduce emissions, including coal assets by 2030 and oil and gas by around 2050. Countries with plans to invest in new fossil fuel infrastructure are engaging in "moral and economic madness," U.N. Secretary General Antonio Guterres said.

"Such investments will soon be stranded assets – a blot on the landscape and a blight on investment portfolios," Guterres in a press conference Monday. "But it doesn't have to be this way. Today's report is focused on mitigation – cutting emissions. It sets out viable, financially sound options in every sector that can keep the possibility of limiting warming to 1.5 degrees alive."

The new report laid out a road map for a wide range of solutions that could reduce global emissions, including a "substantial reduction" in fossil fuel use; deploying renewable energy on a much larger scale; electrifying as many systems as possible, including transportation; improving energy efficiency; transitioning to alternative fuels, such as [hydrogen](#); and reducing methane emissions.

If the global community does not limit average warming to 1.5 Celsius, the world will see extreme heat, a rise in sea levels, extreme weather and threats to food and water supplies, the scientific community has warned.

It is likely the world will exceed that target in the 21st century, even if all countries meet their Paris Agreement pledges, but it is still scientifically possible to prevent the worst-case scenarios, according to the report.

"Reducing GHG emissions across the full energy sector requires major transitions, including a substantial reduction in overall fossil fuel use, the deployment of low-emission energy sources, switching to alternative energy carriers, and energy efficiency and conservation," the report states. "The continued installation of unabated fossil fuel infrastructure will 'lock in' GHG emissions."

Special Envoy for Climate John Kerry described the report as "a defining moment for our planet."

"We are currently falling short in our battle to avoid the worst consequences of the climate crisis and mobilize the urgent global action needed. But importantly, the report also tells us we have the tools we need to reach our goals, cut greenhouse gas emissions in half by 2030, reach net-zero by 2050, and secure a healthier, cleaner planet," Kerry said in a statement Monday.

IPCC reports are approved by all 195 countries that signed the Paris Agreement. The latest report was compiled by 278 authors from 65 countries.

The report "puts policymakers on notice, yet again, that the current global trajectory of heat-trapping emissions is alarmingly off-track," Dr. Rachel Cleetus, policy director and lead economist for the climate and energy program at the Union of Concerned Scientists and an official civil society observer to the IPCC Working Group III process, said in a statement. "Their continued inaction is directly responsible for the climate crisis already here, and it has also placed the goals of the Paris Agreement at grave risk," Cleetus said. "The solutions are obvious and have been for a long time—the world needs to rapidly phase out fossil fuels and accelerate the shift to clean energy. Richer nations, including the United States, bear significant responsibility for action because of their outsize contribution to global warming emissions."

ABC News' Tracy Wholf contributed to this report.

[Source: https://abcnews.go.com/International/emissions-2025-prevent-disastrous-climate-change-effects-climate/story?id=83787299](https://abcnews.go.com/International/emissions-2025-prevent-disastrous-climate-change-effects-climate/story?id=83787299)

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