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A Future Fueled by Innovation

The race to decarbonise isn't just about installing solar panels or wind farms anymore — it's about rethinking what flows through our pipelines. On October 18, 2025, in Surat, Desco Infratech Limited signed a landmark Memorandum of Understanding (MoU) with KPI Green Hydrogen and Naveriya Gas Pvt. Ltd. to roll out India's first large-scale **Hydrogen–Natural Gas Blending Projects** in the CGD sector.

Let's decode what that means. Hydrogen is the cleanest fuel on Earth, and natural gas is one of the most efficient. Blend them, and you get a transitional energy cocktail that lowers emissions without overhauling existing infrastructure. For a country like India — still heavily dependent on imported LNG — this is more than an engineering upgrade. It's a strategic pivot toward **Aatmanirbhar Bharat**.

The Power Trio: Who Does What

The partnership is built like a perfectly balanced ecosystem:

- **KPI Green Hydrogen** will take charge of producing **Green Hydrogen** — created through electrolysis using renewable power sources.
- **Desco Infratech**, the engineering brain of the operation, will provide **blending technology and infrastructure expertise** to merge hydrogen with natural gas seamlessly.
- **Naveriya Gas** will act as the delivery arm, integrating this blended fuel into the **City Gas Distribution network**, ensuring stable supply and safety compliance.

The result? A more **carbon-efficient, scalable, and sustainable** energy grid that makes practical use of existing gas infrastructure.

India's Dependence Dilemma

India may boast natural gas reserves, but the story isn't rosy. The country still relies heavily on **imported LNG**, leaving its energy economy exposed to volatile global prices and geopolitical twists. The Desco-KPI-Naveriya collaboration is designed to counter that — turning **import dependency** into **domestic resilience**.

By introducing hydrogen into the CGD mix, India can use less imported gas without sacrificing energy output. It's energy efficiency with a geopolitical edge.

Why Hydrogen Blending Matters

Hydrogen blending is the kind of engineering solution that sounds deceptively simple. But its impact is massive. It cuts **carbon emissions** from gas usage by up to **30%**, while leveraging **existing pipeline networks** — meaning the transition is faster, cheaper, and less disruptive.

It's like updating your smartphone OS instead of buying a new device — smarter, faster, and easier to scale.

For the CGD sector, this means cities could soon run on cleaner gas mixtures without waiting for entirely new infrastructure rollouts. It's sustainable progress without the typical bureaucratic lag.

Desco Infratech: Engineering the Energy Transition

Desco Infratech isn't just another engineering contractor. The company has built its name on crafting infrastructure that does more than just function — it **future-proofs**. With this project, Desco is signaling where India's industrial backbone is heading: toward **sustainable, smart, and resilient** systems.

Mr. Malhar P. Desai, Whole-Time Director of Desco Infratech, summed it up best:

“This partnership is a responsibility we owe to future generations. Together, we are blending innovation with sustainability to power a greener, stronger India.”

That statement isn't just corporate politeness — it's a strategic declaration. Desco is staking its flag firmly in India's clean-tech territory, where the future belongs to companies that can blend **engineering precision with environmental responsibility**.

India's Green Push Gets Muscle

India has set ambitious **net-zero targets by 2070**, and hydrogen is the key protagonist in that narrative. Blending projects like this don't just align with the government's green energy roadmap — they accelerate it.

With the Hydrogen Mission already gaining traction, private sector collaborations like this are what will determine whether the mission remains an idea or becomes a nationwide movement.

It's not just about producing green hydrogen. It's about **integrating it where it matters most** — into the mainstream fuel mix that powers homes, industries, and cities.

From Vision to Impact

If executed effectively, this alliance could set the template for **India's regional CGD operators**, inspiring replications across Gujarat, Maharashtra, and beyond.

Imagine a scenario where every city in India has partial hydrogen blending in its pipelines. That's lower carbon intensity, improved energy security, and thousands of new green jobs — without ripping up a single kilometre of pipeline.

That's not a fantasy. It's what partnerships like Desco's are quietly building toward.

The Bigger Picture: Self-Reliance Meets Sustainability

The beauty of this collaboration is how it mirrors India's broader philosophy — **innovation rooted in self-reliance**. For decades, energy imports have been India's Achilles' heel. But projects like this one flip that narrative.

They prove that **India's industrial ecosystem** can innovate, adapt, and execute green solutions that are homegrown, scalable, and globally competitive.

This isn't just about energy. It's about **engineering India's independence — molecule by molecule**.

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Desco Infratech, KPI Green Hydrogen and Ammonia join hands for hydrogen-natural gas blending

NEW DELHI: (Oct 18) KP Group company KPI Green Hydrogen and Ammonia, Desco Infratech Ltd, and Naveriya Gas have joined hands to spearhead hydrogen-natural gas blending projects, a statement said on Saturday.

Under the partnership, the three companies will initiate hydrogen-natural gas blending projects in the city gas distribution sector, Desco Infratech said in a statement.

"This partnership is a key step in building green infrastructure and supporting India's clean energy transition. This collaboration aims to reduce reliance on LNG imports and move closer to the vision of Aatmanirbhar Bharat," the company said.

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Naveriya Gas will integrate the blended fuel into the city gas distribution network, ensuring a sustainable and reliable supply. By combining hydrogen with natural gas, the initiative will lower carbon emissions, utilise existing infrastructure efficiently, and support India's pledge toward net-zero emissions, Desco Infratech Whole Time Director Malhar P Desai said.

Surat-based Desco Infratech provides solutions across power, renewable energy, water and city gas segments.

KPI Green Hydrogen And Ammonia, a fully-owned subsidiary of KP Group, is in the business of green hydrogen.

Desco Infratech Leads India's Hydrogen-Gas Blending Revolution

India moves closer to clean energy independence with hydrogen-natural gas blending initiative.

Desco Infratech Limited collaborates with KPI Green Hydrogen and Naveriya Gas for India's first hydrogen-natural gas blending project in the City Gas Distribution network.



By TBT Online Desk

On Oct 18, 2025

BUSINESS VIBES



Surat (Gujarat) [India], October 18: India's clean energy story just hit a new gear. Desco Infratech Limited has partnered with KPI Green Hydrogen and Naveriya Gas Pvt. Ltd. to pioneer **hydrogen-natural gas blending** in the City Gas Distribution (CGD) sector — a move that could rewrite how India fuels its energy independence.

A Future Fueled by Innovation

The decarbonisation race isn't just about solar panels glinting in the desert or wind turbines spinning offshore anymore — it's about **redefining what runs through our pipelines**. On October 18, 2025, in Surat, Desco Infratech Limited inked a landmark Memorandum of Understanding (MoU) with KPI Green Hydrogen and Naveriya Gas Pvt. Ltd. to launch India's first large-scale **Hydrogen-Natural Gas Blending Projects** in the CGD sector.

Here's the simple chemistry: hydrogen is the cleanest fuel known to science; natural gas, one of the most efficient. Combine the two, and you get a **transitional power mix** that slashes carbon emissions without ripping apart existing infrastructure. For India — a nation still paying a premium for imported LNG — this isn't just another infrastructure upgrade. It's a **strategic pivot toward Aatmanirbhar Bharat**, with innovation doing the heavy lifting.

The Power Trio: Who Does What

The partnership is built like a perfectly balanced ecosystem:

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India has set ambitious **net-zero targets by 2070**, and hydrogen is the key protagonist in that narrative. Blending projects like this don't just align with the government's green energy roadmap — they accelerate it.

With the Hydrogen Mission already gaining traction, private sector collaborations like this are what will determine whether the mission remains an idea or becomes a nationwide movement.

It's not just about producing green hydrogen. It's about **integrating it where it matters most** — into the mainstream fuel mix that powers homes, industries, and cities.

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If executed effectively, this alliance could set the template for **India's regional CGD operators**, inspiring replications across Gujarat, Maharashtra, and beyond.

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Desco Infratech's Hydrogen–Gas MoU Fuels India's Green Shift



18 Oct-2025 15:13 PM

By: FirstIndia

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DESCO Infratech Ltd enters into MoU with KP Group for Hydrogen-Natural Gas Blending Projects

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DESCO Infratech Limited ("the Company") has entered into a Memorandum of Understanding (MoU) on October 16, 2025 with KPI Green Hydrogen and Ammonia Private Limited and Naveriya Gas Pvt. Ltd for Hydrogen-Natural Gas Blending Projects and Infrastructure Development.

The purpose of this MoU is to establish a strategic collaboration among the three companies to explore and implement projects for blending green hydrogen with natural gas a key step toward India's clean energy transition and decarbonization goals.

- KPI Green Hydrogen and Ammonia Private Limited will be responsible for project investments and financial commitments, including the development of renewable energy and green hydrogen infrastructure.
- Desco Infratech Limited (our Company) will act as the technology partner, bringing core expertise in hydrogen generation, compression, blending, and delivery systems.
- Naveriya Gas Pvt. Ltd will contribute its domain experience in city gas distribution and natural gas pipeline infrastructure.
- In addition to blending projects, the Parties will jointly explore the business potential for establishing hydrogen compressor stations for use in vehicular fuel infrastructure along national highways.

Significance of the Collaboration:

This collaboration positions Desco Infratech Limited at the forefront of India's emerging green hydrogen ecosystem. It aligns with our commitment to contribute to a sustainable energy future and reinforces our strategic roadmap towards innovation in clean energy technologies.

Shares of Desco Infratech Limited was last trading in BSE at Rs. 248.25 as compared to the previous close of Rs. 250.00. The total number of shares traded during the day was 25000 in over 25 trades.

The stock hit an intraday high of Rs. 255.00 and intraday low of 247.05. The net turnover during the day was Rs. 6273850.00.

Desco Infratech, KPI Green Hydrogen and Ammonia join hands for hydrogen-natural gas blending

Under the partnership, the three companies will initiate hydrogen-natural gas blending projects in the city gas distribution sector.



KPI Green Hydrogen and Ammonia will produce green hydrogen and Desco Infratech will provide the expertise in engineering and technology to blend hydrogen with natural gas

KP Group company KPI Green Hydrogen and Ammonia, Desco Infratech Ltd, and Naveriya Gas have joined hands to spearhead hydrogen-natural gas blending projects, a statement said on Saturday.

Under the partnership, the three companies will initiate hydrogen-natural gas blending projects in the city gas distribution sector, Desco Infratech said in a statement.

"This partnership is a key step in building green infrastructure and supporting India's clean energy transition. This collaboration aims to reduce reliance on LNG imports and move closer to the vision of Aatmanirbhar Bharat," the company said.

KPI Green Hydrogen and Ammonia will produce green hydrogen and Desco Infratech will provide the expertise in engineering and technology to blend hydrogen with natural gas, the company said on the scope of the partnership.

Naveriya Gas will integrate the blended fuel into the city gas distribution network, ensuring a sustainable and reliable supply. By combining hydrogen with natural gas, the initiative will lower carbon emissions, utilise existing infrastructure efficiently, and support India's pledge toward net-zero emissions, Desco Infratech Whole Time Director Malhar P Desai said.

Surat-based Desco Infratech provides solutions across power, renewable energy, water and city gas segments.

KPI Green Hydrogen And Ammonia, a fully-owned subsidiary of KP Group, is in the business of green hydrogen.



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HYDROGEN INFRASTRUCTURE

Desco Infratech, KPI Green Hydrogen, and Naveriya Gas Sign MoU for Hydrogen–Natural Gas Blending in India



Signing Ceremony (Photo by Desco)

Desco Infratech Limited has signed a Memorandum of Understanding (MoU) with KPI Green Hydrogen and Ammonia Pvt. Ltd. and Naveriya Gas Pvt. Ltd. to pioneer Hydrogen–Natural Gas Blending Projects in the city gas distribution sector for green infrastructure development.

Why this matters

India is abundant in natural gas resources, yet much of it remains underexplored. For now, we rely heavily on imports from Russia, Ukraine, and European nations in the form of liquid LNG, which is later converted back into gas.

This partnership marks a significant step toward a self-reliant India.

- KPI Green Hydrogen will produce hydrogen.
- Desco will blend it with natural gas.
- Naveriya Gas will inject it into the City Gas Distribution network, creating a seamless, sustainable supply.

The Impact

This is not just technology; it's a shift toward clean energy and lower carbon emissions, while making use of the infrastructure we already have. It moves India closer to the vision of Aatmanirbhar Bharat through energy, where we power our growth on our own terms.

Building a Greener Tomorrow

Through this alliance, Desco reaffirms its role as an engineering powerhouse with purpose, committed to building lifelines that are clean, future-ready, and nation-strengthening.



Hydrogen-Natural Gas Blending: Desco, KPI Partnership

Desco Infratech, KPI Green Hydrogen, and Naveriya Gas partner for hydrogen-natural gas blending projects in city gas distribution.

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The MoU aims to foster a strategic partnership between the three companies to explore and implement projects that blend green hydrogen with natural gas, a crucial step in advancing India's clean energy transition and meeting its decarbonization targets.

As part of the agreement, KPI Green Hydrogen and Ammonia will handle project investments and financial responsibilities, including the development of renewable energy and green hydrogen infrastructure.

Meanwhile, DESCO Infratech will serve as the technology partner, providing its expertise in hydrogen generation, compression, blending, and delivery systems.

Naveriya Gas will leverage its expertise in city gas distribution and natural gas pipeline infrastructure to support the project's development.

Beyond blending initiatives, the three companies will also explore opportunities for establishing hydrogen compressor stations for use in vehicular fuel infrastructure along national highways.

This collaboration strengthens DESCO Infratech's position as a key player in India's emerging green hydrogen ecosystem and supports the company's commitment to contributing to a sustainable energy future. The partnership aligns with DESCO's strategic focus on innovation in clean energy technologies.