

Testwale Current Affairs PDF

Current Affairs search results for: "NTPC inks pact with Italy based firm for green methanol production"

1. Hydrogen blended PNG project starts operation at NTPC Kawas ,Gujarat (Jan. 3, 2023)

India's largest power company [NTPC Ltd](#) has commissioned India's first **green hydrogen blending project** at **Kawas**, Gujarat. The piped natural gas (PNG) blended with green hydrogen gas is being supplied through the Gujarat Gas limited piped natural gas (PNG) network in the NTPC Kawas township, Surat.

In April 2022 the NTPC signed an agreement with Gujarat Gas for blending of green hydrogen in the piped natural gas (PNG) to be supplied to the NTPC Kawas Township.

Green Hydrogen refers to the breaking down of the water molecule into hydrogen and oxygen using renewable sources of energy.

The Central government owned NTPC provides the green hydrogen produced at its **1 megawatt (MW) floating solar project of NTPC Kawas** in the Surat district of Gujarat for blending purposes.

Initially, the percentage of hydrogen blending in the PNG shall be around **5% and** after successful completion, it will be increased. The Hydrogen blended PNG will be used for **cooking purposes**.

This is the first project of its kind in the country .This is seen as a first step toward the decarbonization of the cooking sector and self-sufficiency for the energy requirements of the nation.

Gujarat Gas Limited (GGL) is India's largest City Gas Distribution (CGD) Company in terms of sales volume, with operation across 43 districts in 6 states and 1 Union territory in the states of Gujarat, Maharashtra, Rajasthan, Haryana, Punjab and Madhya Pradesh and Union Territory of Dadra & Nagar Haveli.

It is owned by Gujarat government owned Gujarat State Petroleum Corporation.

Headquarters: Ahmedabad, Gujarat.

2. NTPC inks pact with Italy based firm for green methanol production (Dec. 27, 2022)

'National Thermal Power Corporation Limited' (NTPC)

India's largest power generation company '**National Thermal Power Corporation Limited**' (NTPC) has signed a non-binding **Memorandum of Understanding (MoU)** with Technimont Pvt Ltd, the Indian subsidiary of Italy-based **Maire Tecnimont Group**, on 26 December.

Important facts

- The objective of this MoU is to jointly evaluate and explore the possibility of developing a commercial scale **green methanol** production facility at NTPC's project in India.

- This green methanol project involves capturing **carbon from NTPC's power plants** and converting it into **green fuel**.
- This agreement will make a significant contribution to the energy transformation in India.

Green Methanol

- Green methanol has a wide range of applications. It also includes use as a base material for chemical industries, storage of renewable electricity and as a transportation fuel.
- It is also considered as a substitute fuel for **maritime fuel applications**.
- The pilot scale green methanol project is in line with NTPC's commitment towards sustainability and renewable energy.

About NTPC

- The NTPC which was earlier known as National Thermal Power Corporation of India is owned by the Government of India. It was set **up in 1975**.
- The **Vindhyachal Thermal Power Station in the Singrauli** district of Madhya Pradesh, with an installed capacity of 4,760MW, is currently the **biggest thermal power plant** in India.
- It is a coal-based power plant owned and operated by NTPC.
- The total installed commercial capacity of the company was **69454 MW** before the JPL deal.
- Headquarters: **New Delhi**
- Chairman and Managing Director: **Gurdeep Singh**