

November 29, 2023**BSE Limited**

P J Towers,
Dalal Street,
Mumbai – 400001.
Scrip Code: 533096

National Stock Exchange of India Limited

Exchange plaza,
Bandra-Kurla Complex,
Bandra (E), Mumbai – 400051.
Scrip Code: ADANIPOWER

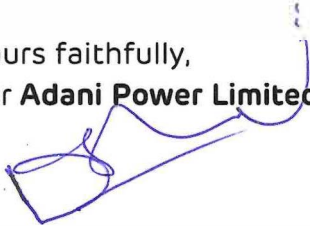
Dear Sir(s),

Sub: Press Release - Adani Power collaborating with IHI Corporation and Kowa Corporation to decarbonize its own thermal power plants, starting with the 4,620 MW Mundra Power Plant

We are enclosing herewith a Press Release issued by Adani Power Limited on the captioned subject, the contents of which are self-explanatory.

This is for the information of the Exchanges and the Members.

Yours faithfully,
For **Adani Power Limited**



Deepak S Pandya
Company Secretary



Enclosed: As above

Adani Power Limited

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Media Release

**Adani Power to co-fire Green Ammonia at its
Mundra Plant for a sustainable future**

Editor's synopsis

- **Green Ammonia to co-fire a 330MW Unit at Mundra**
 - **Green Ammonia combustion produces no CO₂ emission; is more environment friendly**
 - **APL is working with Japan's IHI Corporation & KOWA for the pilot as part of NEDO project**
 - **A key technological milestone achieved in simulating Mundra Plant boilers for combustion of green ammonia at IHI's Japan plant**
- The pilot project is under the aegis of Japan-India Clean Energy Partnership**

Ahmedabad, 29th November 2023: As the world leaders converge in the UAE for the UN Climate Change Conference (COP 28) from 30 November to 12 December 2023 to fast-track energy transition and slash emissions before 2030, Adani Power Ltd., India's largest private sector power generator, has undertaken a ground-breaking green ammonia combustion pilot project at its Mundra plant as part of its multipronged decarbonization initiatives.

As part of the project, the Mundra Plant, which is India's largest private sector power plant, will co-fire up to 20% green ammonia in the boiler of a conventional coal fired 330MW Unit.

Green ammonia, produced from green hydrogen, which in turn is produced through electrolysis using renewable energy, would be a feedstock for the boilers. As ammonia contains no carbon, there is no CO₂ emission from its combustion, making it a long-term carbon neutral alternative to fossil fuels. Adani Power has already set a benchmark in the industry for 'per-unit' emissions and has adopted state of the art 'Ultra Supercritical technology' in its newest plants.

Adani Power has partnered with IHI and Kowa-Japan to deliver the pilot and examine expansion to other APL units and stations as well. Kowa is active in energy saving and energy creating products, while IHI is a heavy industry company which has ammonia firing technology. Combustion tests at IHI's facility in Japan have begun with 20% ammonia blend, simulating Mundra Power Station equipment. The partners believe that the results will be encouraging enough to implement this solution at the Mundra Power Station once economic parity is achieved between both feedstocks. The Mundra plant is the first location outside of Japan to have been selected for this cutting-edge green initiative.

The ambitious project has been conceived under the aegis of Japan-India Clean Energy Partnership (CEP), which aims to ensure energy security, achieve carbon neutrality, and achieve economic growth. It has been selected under the New Energy and Industrial Technology Development Organization's (NEDO) "International Demonstration Project

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for Japanese Technologies Contributing to Decarbonization and Energy Transition"*. NEDO is Japan's national research and development agency that fosters innovation by promoting technological development necessary for realization of a sustainable society.

"Adani Power is fully committed to reducing its carbon footprint through adoption of latest technologies and proactive measures across our business value chain. In furtherance of this vision, we are happy to partner with IHI and Kowa for blending green ammonia for our Mundra plant, which will reduce CO2 emissions. We will continue to integrate cutting-edge technologies increasingly to reduce emissions in the intermediate term," said **Mr. Anil Sardana, Managing Director, Adani Power Ltd.**

About Adani Power Ltd.

Adani Power (APL), a part of the diversified Adani Group, is the largest private thermal power producer in India. The company has an installed thermal power capacity of 15,210 MW spread across eight power plants in Gujarat, Maharashtra, Karnataka, Rajasthan, Chhattisgarh, Madhya Pradesh, and Jharkhand, apart from a 40 MW solar power plant in Gujarat. With the help of a world-class team of experts in every field of power, Adani Power is on course to achieve its growth potential. The company is harnessing technology and innovation to transform India into a power-surplus nation and provide quality and affordable electricity for all.

For more information, visit www.adanipower.com

* International Demonstration Project on Japan's Technologies for Decarbonization and Energy Transition

https://www.nedo.go.jp/english/activities/activities_AT1_00175.html

For media queries, contact Roy Paul: roy.paul@adani.com

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