

**Kowa has started the combustion test @ IHI test facility, Japan
for applying 20% Ammonia Co-firing at Mundra Thermal
Power Plant, India**



Kowa Company, Ltd (hereinafter referred to as “Kowa”), and Adani Power Limited, which is India's largest private sector thermal power generating company (hereinafter referred to as “APL”) and IHI Corporation (hereinafter referred to as “IHI”), the three companies jointly has taken up ammonia co-firing technical assessment study at the Mundra thermal power plant (Gujarat, India) with the aim of decarbonizing thermal power plants owned by APL. We are currently conducting a 20% ammonia combustion test taking account of the combustion equipment used at the power plant, with APL’s engineers present at IHI's Aioi Plant facility. (Aioi City, Hyogo Prefecture).

India, the world's third-largest energy consumer, aims to achieve zero greenhouse gas emissions by 2070, and by introducing green ammonia derived from renewable energy as fuel for existing thermal power plants may help to achieve it. Kowa and IHI are conducting technical studies and economic verification for implementing 20% ammonia combustion in APL's existing thermal power plant boilers. This project has been selected as NEDO's " International Demonstration Project on Japan’s Technologies for Decarbonization and Energy Transition " * (feasibility study).

Through this initiative, Kowa will concretely contribute to the spread of ammonia co-firing technology in the Asian region and to the realization of carbon neutrality in both Japan and India.

Kowa and Adani formed a Joint Venture earlier this year for the sales and marketing of green hydrogen and its derivatives in the territories of Japan, Taiwan and Hawaii.

Kowa is developing initiatives both domestically and internationally to contribute to a decarbonized society under the theme of "health and the environment," and the joint verification of ammonia co-firing technology in India is one part of this effort. Through our business in the decarbonization field, we will contribute to the realization of carbon neutrality in the future.

*“International Demonstration Project on Japan’s Technologies for Decarbonization and Energy Transition” (feasibility study)

NEDO main project introduction:

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

[Related press release]

2023.09.15 - Kowa establishes joint venture with India's Adani Group for sales and marketing of green ammonia, etc.: <https://www.kowa.co.jp/news/2023/press20230915.html>

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