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NEWS RELEASE

Joint Development Activity with Indian Institute of Technology Delhi

Mitsui Mining & Smelting Co., Ltd. (President: NOU Takeshi; hereinafter, “Mitsui Kinzoku”) has decided to partner with the Indian Institute of Technology Delhi (Republic of India) for the development of green hydrogen production technologies. For that purpose, a development center has been established at the Research and Innovation Park (R&I Park), on the premises of the Institute. MoU (memorandum of understanding) signing ceremony was held on December 11 in India.

Centered on its purpose, “We promote the well-being of the world through a spirit of exploration and diverse technologies,” Mitsui Kinzoku is working to create new businesses that contribute to the establishment of a sustainable society by cooperation with external collaborators (customers, partner companies, universities, etc.) and applying the company’s own strengths (core technologies/know-how/sales channels).

India is expected to be a large hydrogen producer and consumer in the future and is located near internationally important places for hydrogen production and consumption. For this reason, many projects related to the technology for green hydrogen production are ongoing in the country and becoming more important in the development of the technology. The Indian Institute of Technology Delhi is one of the premier institutes in India with extensive knowledge and a long track record of research in the domain. Recently, Mitsui Kinzoku has decided to partner with the Institute in the joint development of an electrode for the water electrolyzer with the goal of producing green hydrogen. The R&D Center in the Business Creation Sector of Mitsui Kinzoku will send some of its researchers via Mitsui Kinzoku Components India Private Limited (MKCI), an Indian subsidiary of Mitsui Kinzoku in the catalyst business, to engage in the joint development project with researchers from the Indian Institute of Technology Delhi at the MKCI Delhi R&D Center established at the R&I Park. Marketing activities for green hydrogen in India, Europe, Middle East and other regions will also be conducted in the MKCI Delhi R&D Center.

Mitsui Kinzoku will promote the development activities in the domain of green hydrogen which contributes to the achievement of a decarbonized society, by applying Mitsui Kinzoku’s technologies and other resources through the joint development with the Indian Institute of Technology Delhi.

Overview of the joint development center

1. Name	MKCI Delhi R&D Center
2. Purpose	Development of an electrode for the water electrolyzer with the goal of producing green hydrogen
3. Details of activities	Synthesis of new materials and preparation of sample electrodes Marketing activities for green hydrogen
4. Person in charge of the development project	Suddhasatwa Basu, professor at Indian Institute of Technology Mitsui Kinzoku Components India Private Limited
5. Location	R&I park, Indian Institute of Technology Delhi
6. Duration of the joint development	September 2023 to September 2028



The MoU signing ceremony

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