

## Annex 2

### Web Report

29 February -6 March 2024

## ERIA and Mongolia Mongolian Energy Economics Institute Conduct Joint Research on Developing Green Hydrogen



**Tokyo, 29 February – 6 March 2024:** The Economic Research Institute for ASEAN and East Asia (ERIA) hosted a site visit on hydrogen power plants for Mongolian Energy Economics Institute (MEEI). A joint study on ‘Policy Study on Hydrogen Energy in Mongolia’ aims at analysing the hydrogen production potential using electricity from renewable energy and how hydrogen impacts to energy landscape in Mongolia.

For that purpose, ERIA hosted four-days site visit in hydrogen demonstration projects in Tokyo. First day of visit, the MEEI delegation attended Smart Energy Week, an exhibition on renewable energy technologies, such as hydrogen and fuel cells, solar power, batteries, biomass, smart grids, wind, and others. Chiyoda Corporation welcomed ERIA and MEEI delegations to their booth, where they demonstrated their worldwide hydrogen supply chain including storage and transportation, SPERA Hydrogen™ for the power generation. The delegations also visited other energy industry booths, including JERA, IHI Corporation, Kawasaki Heavy Industries, and others.

The second day of visit, ERIA and MEEI delegation attended the meeting in Chiyoda Corporation Office. Takeshi Miyasugi, Technology Expert of Hydrogen Business Development and Tsukada Ryuji, Technology Expert of Professional Services Division of Chiyoda Corporation gave the lectures about the hydrogen and fuel ammonia covering the production technology, applications, value chain, market trend, safety regulation, storage and transportation, as well as the cost of production and supply.

The third day of visit, ERIA and MEEI delegation visited Yamanashi, a leading municipality in hydrogen energy development. Prof Akihiro Iiyama, Director of the Hydrogen and Fuel Cell Nanomaterials Center

at the University of Yamanashi, presented a lecture on the university's research into hydrogen and fuel cells. Sakamoto Masaki, Director of Social Implementation Division, Yamanashi Hydrogen Company Inc. discussed about the hydrogen development of regional green hydrogen value chain using solar power in Yamanashi Prefecture.

The last day of visit, the delegations visited Chiyoda Koyasu Research Park in Yokohama. Daisuke Kurosaki, Business Development Group Leader of Chiyoda Corporation Hydrogen Business Department, and Go Saito, Chiyoda Corporation Business Development Section explained that the demonstration project has capacity of hydrogen storage around 50Nm<sup>3</sup>/h and highlighted the dehydrogenation process to produce hydrogen. Last meeting was conducted in Ministry of Economy, Trade and Industry (METI). ERIA and MEEI delegation met Yomohiko Adachi, Director of Hydrogen and Fuel Cells Strategy Office, Hydrogen and Ammonia Division, METI and Satomi Higuchi, Assistant Manager Hydrogen and Ammonia Division, METI discussed about the Japan green transformation policy, and hydrogen and ammonia development strategy.

Joined the Site Visits from ERIA: Shigeru Kimura, Special Advisor to the President of ERIA; Citra Endah Nur Setyawati, Research Associate Energy Unit. Joined the Site Visits from MEEI: Makhbal Tumenjargal, Director of MEEI; Chinsetgel Batnasan, Research Officer; and Myagmarbaatar Dashravdan, Research Officer.