



ASIAN DEVELOPMENT BANK

04 November 2020

To whom it may concern,

This letter is to confirm that the people below have been engaged as consultants by the Asian Development Bank to undertake a study related to the use of renewable hydrogen in Pakistan for economic, social and environmental development.

The scope of the study is to assess the impact that hydrogen could have in the local economy and as an export product. Several short term pilot projects will be proposed in addition to presenting a long term vision for the potential of hydrogen as an energy vector within Pakistan and for export revenue generation. There is a focus on renewable, green hydrogen, but consideration will also be given to blue hydrogen.

It is expected that the project will run from October 2020 to April 2021. The sponsor of this work is the Asian Development Bank and primary stakeholder is the Ministry of Energy in Pakistan. Specifically, the National Energy Efficiency & Conservation Authority which is part of the Power division of the Ministry of Energy. It is possible that the full report, or parts thereof, will be made available in the public domain on completion of the project.

The project team comprises:

Stephen B. Harrison – international hydrogen specialist and project team leader, located in Germany

Muhammad Asif Masood – local energy systems expert, located in Pakistan

Muhammad Nadeem Javaid – local economics and finance expert, located in Pakistan

Sardar Aqzam – local legal and regulatory affairs expert, located in Pakistan

Please support the project team with the provision of relevant information, images and case studies to ensure a successful project and enable the future economic, social and environmental development of Pakistan for the benefit of its 220 million inhabitants. Your contributions will be acknowledged and data sources will be transparently referenced in the report, as per the standard requirements of the Asian Development Bank.

Yours faithfully

Toru Ito

Senior Energy Specialist (Gas)

Energy Sector Group(SDSC-ENE)

Sustainable Development and Climate Change Department (SDCC)

Asian Development Bank

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