Kabul solar energy for the environment

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The financial support provided by the Ministry of Higher Education of Afghanistan is highly acknowledged. We appreciate also the invaluable comments and suggestions of two anonymous reviewers.

Received: 01 August 2021

Revised: 03 September 2021

Accepted: 09 September 2021

Published: 15 December 2021

Issue Date: December 2021

DOI: https://doi /10.1007/s11629-021-7035-5

Approximately 70 percent of Afghanistan"s total power capacity of 1450 W is imported from the neighbouring countries. The country has limited indigenous sources of electricity. Afghanistan can greatly benefit from making the transition from non renewable energy to relying on renewable energy especially Solar energy.

Under this engagement, Core CarbonX has evaluated solar energy potential from rooftops in the city of Kabul. The study has also evaluated the carbon revenue potential from solar rooftop projects in Afghanistan. 300 Sunny days in a year with abundant free Solar irradiation to generate solar power and strong support from Government makes the country an attractive destination for setting up photovoltaic solar power projects.

The contribution of solar energy towards climate change mitigation and environmental stewardships were evaluated and showcased by associated carbon revenue that can help in bringing in potential external finance in the renewable energy sector in Afghanistan. Solar rooftop and grid-connected net-metering projects are encouraged and recommended due to the potential benefits of rooftop area, energy security, and generating clean and green energy.

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