

2022

carbon offset portfolio

Responsible Tourism



SUMMARY

**Holbrook
travelers
contributed to
1,400 tonnes of
CO2 reductions
through 5
projects in 4
different
countries in
FY22**



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ClimateSafe

global certification for greenhouse gas neutral products and services



Brazil

Fundão-Santa Clara Energetic Complex Project (FSCECP)

The objective of the project is the generation of zero carbon emission electricity from a renewable source - hydropower. The Fundão-Santa Clara Energetic Complex Project -FSCECP- consists of one hydroelectric complex composed by Fundão and another Santa Clara Hydroelectric power plant, both located in Jordão River, state of Paraná -Brazil. The FSCECP is connected to the SIN (National Interconnected System).

ABOUT THIS PROJECT

With the implementation of this project, ELEJOR - Centrais Elétricas do Rio Jordão is able to sell electricity to the Brazilian grid, avoiding the dispatch of energy of fossil-fuelled power plants. Therefore, the initiative avoids CO₂ emissions, also contributing to the regional and national sustainable development. The project activity aims to generate 375,000 tCO₂e/year.



The Fundão Hydroelectric complex is composed of one Small Hydropower Plant (SHP - capacity of 2,40 MW) and other Hydropower Plant (HPP - capacity of 120 MW).



The Santa Clara Hydroelectric complex is composed one Small Hydropower Plant (SHP - capacity of 3,60 MW) and other Hydropower Plant (HPP - capacity of 120 MW).

To learn more about this project:

<https://offset.climateneutralnow.org/fund-o-santa-clara-energetic-complex-project-fscecp-1279-?searchResultsLink=%2FAIIProjects%3FSearchTerm%3D1279>

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Malawi

Biomass Energy Conservation Project: Chitetezo Mbaula Wood Stove

The vast majority of Malawians do not have access to electricity. The only way they can soften their carbohydrates to avoid starvation is by burning wood to boil water. Besides contributing to the death of 2 million infants each year due to wood-smoke inhalation, inefficient stove technologies contribute to deforestation, unsafe conditions in the home, and soil erosion.

ABOUT THIS PROJECT

The Chitetezo Mbaula is an improved cook stove locally made of clay that caters to various size pots for cooking and heating water. The stove project provides income to over 2,000 people (mostly women in rural areas) to manufacture and promote smoke-reducing cookstoves.



The Chitetezo Mbaula wood stove saves around 2 tonnes of CO₂ per family per year. It can reduce firewood consumption by up to 80%.



Switching from a three-stone fire to a Chitetezo Mbaula stove reduces the number of particles emitted by 46% and carbon monoxide by 44%.

To learn more about this project:

<https://offset.climateneutralnow.org/biomass-energy-conservation-programme?searchResultsLink=%2Fee-households>

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India

2.5 MW Rice husk based cogeneration plant at Hanuman Agro Industries Limited

The purpose of the project activity is to collect and utilize available and unutilized waste biomass resource for effective generation of electricity for in-house consumption. The project activity which is a carbon neutral 2.50 MW rice husk based cogeneration power plant generating electricity and steam thereby displacing power supplied from the Indian grid.

ABOUT THIS PROJECT

The project is located in Village Paragoan, Nawapara-Rajim, Chhattisgarh State, India. Hanuman Agro Industries Limited (HAIL) is a public limited company, incorporated in 1994 with the main objectives of carrying out business activities in the field of Paper & Power Generation using conventional or non-conventional fuel.



The increase in demand of rice husk has local effects on its price and generates additional revenue for the rice millers, which in turn benefits the local farmers.



The project activity is saving the equivalent coal that otherwise would have been used for steam generation

To learn more about this project:

<https://offset.climateutralnow.org/25-mw-rice-husk-based-cogeneration-plant-at-hanuman-agro-industries-limited?>

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India

200 TPD Composting Facility at Okhla, Delhi

The Okhla Compost Plant is a part of the Integrated Scientific Waste Management Scheme of Delhi. The compost produced in the plant is used by local farmers to rejuvenate the soil, that has been affected due to overuse of chemical fertilizers. According to a local study, 67% of the soil in the country is low in organic carbon.

ABOUT THIS PROJECT

Due to the project activity, landfilling of waste is prevented resulting in the reduction of land required for waste disposal leading to improved environmental conditions and a replicable model. The end product of project activity is compost that will be used as organic manure and combats soil degradation.



The burning of waste and non-scientific processing contributes to the huge pollution problem in Delhi, which holds PM 2.5 and PM 10 levels that are exponentially higher than the norms.



The plant has processed to date over 265,000 tons of municipal solid waste, and diverts, on daily basis, over 200 tons of waste from dumpsites.

To learn more about this project:

<https://offset.climateutralnow.org/upgradation-operation-and-maintenance-of-200-tpd-composting-facility-at-okhla-delhi-2470->

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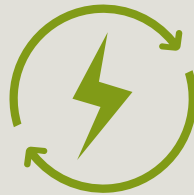
Philippines

Burgos Wind Project

The Burgos Wind Project is the largest wind farm in the Philippines. At the time it was built in 2014, it was also considered to be one of the largest wind farms in South East Asia. It is located in one of the best areas in the country to generate clean energy from wind.

ABOUT THIS PROJECT

The 150-MW facility has fifty (50) Vestas V90 wind turbines, each with a rated capacity of 3 MWs. The wind farm has a substation which is connected to a 43 KM 115 kV Transmission Line to the Laoag substation of the grid operator, the NGCP (National Grid Corporation of the Philippines).



The project creates clean energy and helps to generate approximately 367,000 MWh to the grid (EG facility).



The estimated greenhouse gas (GHG) emission reductions from the project would be 251,000 tCO₂e per year.

To learn more about this project:

<https://offset.climateneutralnow.org/burgos-wind-project-7980-?>

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UN Certified Emission Reduction Certificates



United Nations
Framework Convention on
Climate Change

DATE: 29 MARCH 2023
REFERENCE: VC27378/2023

VOLUNTARY CANCELLATION CERTIFICATE

Presented to

International Carbon Bank & Exchange, Inc.

Project

Fundão-Santa Clara Energetic Complex Project (FSCECP)

Reason for cancellation

Holbrook Travel - offsetting Cultural and Natural History programs for FY22

Number of units
cancelled

700 CERs

Equivalent to 700 tonne(s) of CO₂



Start serial number: BR-5-99829384-1-1-0-1279 End serial
number: BR-5-99830083-1-1-0-1279

The certificate is issued in accordance with the procedure for voluntary
cancellation in the CDM Registry. The reason included in this certificate is
provided by the cancellor.



VOLUNTARY CANCELLATION CERTIFICATE

Presented to

International Carbon Bank & Exchange, Inc.

Project

2.5 MW Rice husk based cogeneration plant at Hanuman Agro Industries Limited

Reason for cancellation

Holbrook Travel - offsetting Cultural and Natural History programs for FY22

Number of units
cancelled

200 CERs

Equivalent to 200 tonne(s) of CO₂



Start serial number: IN-5-152517110-1-1-0-1667 End serial
number: IN-5-152517309-1-1-0-1667

The certificate is issued in accordance with the procedure for voluntary
cancellation in the CDM Registry. The reason included in this certificate is
provided by the cancellor.



VOLUNTARY CANCELLATION CERTIFICATE

Presented to

International Carbon Bank & Exchange, Inc.

Project

Biomass Energy Conservation Programme

Reason for cancellation

Offsetting Holbrook Travel Cultural and Natural History programs for FY22

Number of units
cancelled

200 CERs

Equivalent to 200 tonne(s) of CO₂



Start serial number: MW-5-1668809-2-2-0-10182 End serial
number: MW-5-1669008-2-2-0-10182

The certificate is issued in accordance with the procedure for voluntary
cancellation in the CDM Registry. The reason included in this certificate is
provided by the cancellor.



VOLUNTARY CANCELLATION CERTIFICATE

Presented to

International Carbon Bank & Exchange, Inc.

Project

Upgradation, Operation and Maintenance of 200 TPD Composting facility at Okhla, Delhi

Reason for cancellation

Offsetting Holbrook Travel Cultural and Natural History programs for FY22

Number of units
cancelled

200 CERs

Equivalent to 200 tonne(s) of CO₂

Start serial number: IN-5-192775899-2-2-0-2470 End serial
number: IN-5-192776098-2-2-0-2470

The certificate is issued in accordance with the procedure for voluntary
cancellation in the CDM Registry. The reason included in this certificate is
provided by the cancellor.



VOLUNTARY CANCELLATION CERTIFICATE

Presented to

International Carbon Bank & Exchange, Inc.

Project

Burgos Wind Project

Reason for cancellation

Holbrook Travel - offsetting Cultural and Natural History programs for FY22

Number of units
cancelled

100 CERs

Equivalent to 100 tonne(s) of CO₂

Start serial number: PH-5-3506040-2-2-0-7980 End serial number:
PH-5-3506139-2-2-0-7980

The certificate is issued in accordance with the procedure for voluntary
cancellation in the CDM Registry. The reason included in this certificate is
provided by the cancellor.



ClimateSafe Service

Holbrook Travel - 2022

1,400 tonnes CO₂



Composting and Landfill Diversion, Biomass Cooking Stoves, Wind Energy, Hydro Power, Rice Husk Cogen

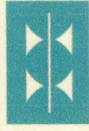
Reduction: Jan 1, 2013 ~ Dec 31, 2020
Location: Brazil, India, Malawi, Philippines

Carbon Sink:

Biomass Cooking Stoves - MW
Composting Landfill Diversion - IN
Wind Energy - PH
Hydro Electric - BR
Biomass Cogeneration - IN

Emission Reductions Organized by:

Elejor - Centrais Eléctricas, Hanuman Agro Industries, Hestian Innovation Ltd. and the Republic of Malawi, IL&FS Environmental Infrastructure and Services Limited, Burgos Wind Power Corporation



HOLBROOK
TRAVEL

Providing Nature Based Travel
Experiences since 1974

Production: Jan 1, 2022 ~ Dec 31, 2022
Country of Origin: United States

Carbon Source:
Source Type: Aircraft, land travel, accommodations for 412 travelers with destinations to Brazil, Colombia, Costa Rica, Cuba, Ecuador, Iceland, Madagascar, Mexico, Namibia, Tanzania and the US

Emissions Data Verified by:
ICBE, Inc.
6651 NW 23rd Avenue
Gainesville, FL 32606-8400, US
mark@icbe.com

Certified



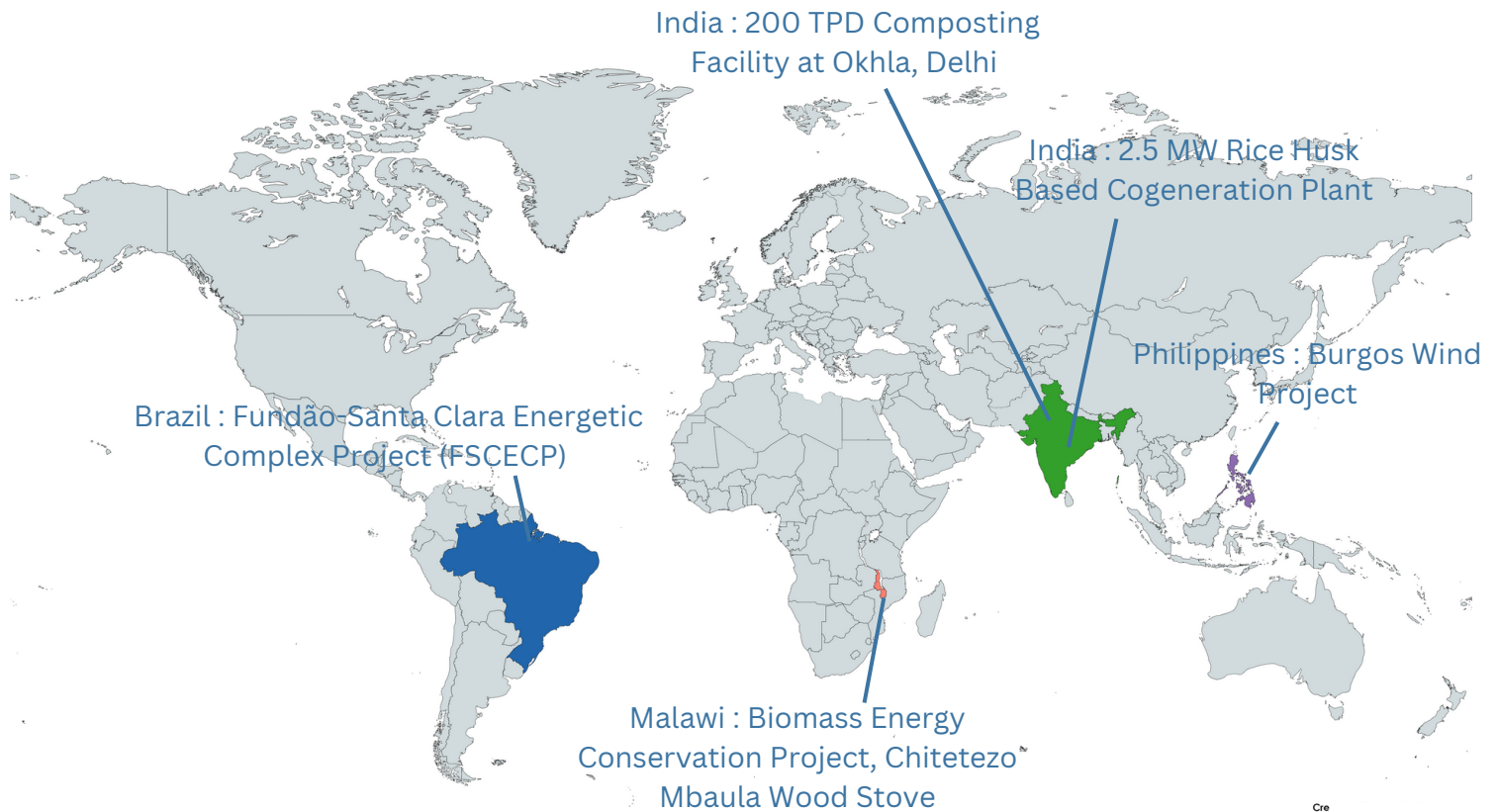
[Handwritten Signature]

Treasurer of the International Carbon Bank and Exchange®
US CERTIFICATION # 000000653

This certificate represents the retirement of 1,400 tonnes of Carbon Dioxide (CO₂) on behalf of the 2022 travel impact of HBT clients to various destinations around the world. The certificate warrants that the creation and assignment of all the emission reduction rights associated with the reduction activities were duly transferred to Holbrook Travel on behalf of their travelling clients. The certificate represents emission reductions achieved by project holders ELEJOR - Centrais Eléctricas do Rio Jordao, BR, Hestian Innovation Ltd., MW, Integrated Scientific Waste Management Scheme of Delhi, IN, Hanuman Agro Industries Limited, IN, and EDC Burgos Wind Power Corporation, PH, to neutralize emissions generated through client travel activities.

A record of this issuance can be found at www.climatesafe.com

FY22 Projects Map



412 Holbrook travelers offset the carbon emissions of their journey in 2022



Holbrook travelers have offset over 16,000 tonnes of CO₂ since 2007, contributing to 16 projects in 10 countries



3540 NW 13th Street
Gainesville, FL 32609
<https://www.holbrooktravel.com>
352-377-7111

FY22 Projects Map