

LAOS PROJECT

Grouped Projects for Laos Water Purifier involve the installation of low greenhouse gas emitting safe drinking water purifiers (SDWPs) to provide clean drinking water to the households of Laos.

Project ID: VCS3204

Reg. date: 19-02-2024

Grouped Projects for Laos Water Purifier

PROPONENT

Organization name	Sustainability Investment Promotion and Development Joint Stock Company (INTRACO Holdings' subsidiary)
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DESCRIPTION

The purpose of this project is the dissemination of water purifiers in Laos. The project activity helps to reduce the wood fuel consumption of traditional stove users by distributing water purifiers to households. By reducing the consumption of wood fuel, it can contribute to improving public health problems. Furthermore, this project activity can contribute to Laos' climate change response and sustainable development.

To reduce deforestation and the emission of greenhouse gases in Laos, water purifiers that will lead to the use of no wood fuel, will be distributed to the household which is also using the traditional and/or conventional cookstoves to boil water with wood fuel. Over the long term, this project activity is anticipated to reduce deforestation and the emission of greenhouse gases caused by burning wood fuel.

GHG emission reductions

The project activity targets households in communities with no previous water purifier access. The geographical boundary is in Laos. A total of 300,000 water purifiers are distributed freely to users expectedly divided into 12 project activity instances with 25,000 devices as the maximum for each one. The annual estimated emission reductions for the grouped projects are 390,936 tCO₂e/annum.





Grouped Projects for Laos Water Purifier

CREDITING PERIOD

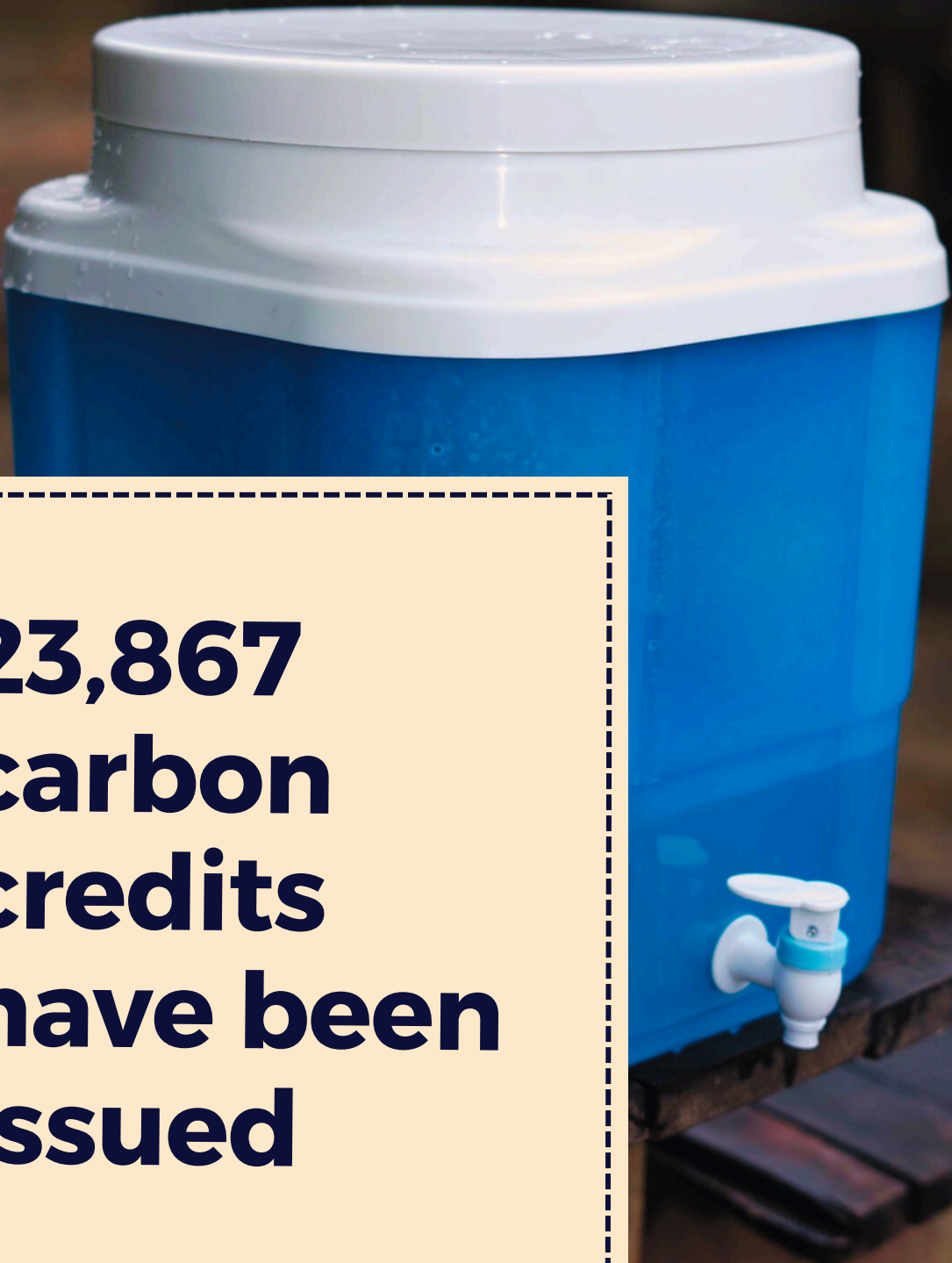
Fixed crediting period has been chosen

Start date of crediting period: 25/07/2023

End date of crediting period: 24/07/2033

Total number of years : 10 years, 00 months





**23,867
carbon
credits
have been
issued**

1 tCO₂ = 1 credit

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ESTIMATED GHG EMISSION REDUCTIONS OR REMOVALS

Year	Estimated GHG emission reductions or removals (tCO ₂ e)
2023	23,867
2024	143,280
2025	251,786
2026	494,255
2027	485,111
2028	476,137
2029	467,328
2030	458,683
2031	450,197
2032	441,868
2033	216,847
Total estimated ERs	3,909,359
Average annual ERs	390,936



TECHNOLOGY

The technology employed in a specific location, water purifiers will be installed into surveyed and selected areas where there is no public distribution network supplying SDWP and no alternative SDWP supply facilities. In case a public distribution network exists, but is not supplying SDWP, water quality testing will be conducted to demonstrate that the water supplied from the public water network does not meet SDWP standards. The information such as the operational principle, instruction, and maintenance management method of the water purifier will be transferred to beneficiaries.

The ceramic water purifier is designed to improve drinking water quality and help reduce and prevent intestinal disease. The filtered water is used for drinking directly without having to boil. The use of the water purifier is very simple. Clean and safe drinking water can be accessed in a much easier way than before. The ability to store water safely for a long time without being re-contaminated thanks to the continuous release of silver ions (Ag⁺).



The filter is capable of deodorizing chlorine and retains essential mineral components Ca²⁺/Mg²⁺.

The technology/equipment will be replaced prior to the life span so that end users can access the same or improved level of water purification systems.



OWNERSHIP

The ownership of carbon credits is exclusivity with the Sustainability Investment Promotion and Development Joint Stock Company (SIPCO), SIPCO is the Coordinating and Managing Entity of the grouped project, the ownership of carbon credits shall be demonstrated through the following indicative information:

SIPCO purchases water purifiers directly from the manufacturer Viet Charcoal Production Company Limited. The water purifier purchased contract shall be signed between the two parties for each project activity instance in this grouped project. Every contract will be attached with a statement or/and a beneficial agreement between the project owner (SIPCO) and the manufacturer, the statement or/and beneficial agreement is to confirm that all carbon credits right from the purchased water purifiers for the project activity shall remain to the project owner without affected result with the manufacturer.

The ownership of carbon credits also is demonstrated through a beneficial agreement between the project owner, SIPCO, and the target households that get free distributed water purifiers as the end user, the beneficial agreement shall confirm that the end user shall irrevocably transfer all rights to any Carbon Credits that may be generated by the operation of the water purifier to SIPCO, and to take all reasonable steps to affect such transfer; the target households irrevocably waive any rights to Carbon Credit in exchange for the free supply of the water purifier.







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SDGs

