KIDT Rice Husks Charcoal Briquettes





Why to choose this solution?
Rice husks charcoal briquettes is an alternative to wood charcoal as it provides energy for cooking in households, learning institutions, hospital, for cooking various kinds of foods such as beans, Ugali, rice etc.

Savings per day or production:
"2kg of rice husk briquettes charcoal worth 600 Tshs is enough for cooking one day meals for a household whereas if wood charcoal is used, Tshs 1000/= will be require to accomplish the task. For institution they can consume 30kg of rice husks briquettes per day instead of 70kg of wood charcoal. "

Cost in money and in own time to construct:
1kg of briquette is sold Tsh 300/=

Lifetime:
N/A

Maintenance needed:
All measures should be in place to ensure briquettes do not come into contact with water

Resources needed in use:
Rice husks are raw material for producing the briquettes

Problems and limits:
"Since availability of rice Husks is seasonal, it requires capital for purchasing and also area for storage."

Where and how can you get it or make it?
It is available at Kilimanjaro Industry Development Trust (KIDT) Moshi- Kilimanjaro in Tanzania

Skills needed to produce, install. maintenance, use:
" Skills for producing rice husks briquettes charcoal available at KIDT. Short training and machines are required to be able to produce KIDT briquettes.

How to use it:
" https://youtu.be/svbpv06B8FU

How to maintain it:
" https://youtu.be/yhvvWwU72bc

Climate effect (if any):
Offer an alternative energy to wood hence reducing the growing demand for wood charcoal therefore contributing to reduced deforestation. Briquettes are made out of rice husks which if not used would have rot leading to generate methane contributing to greenhouse gas emissions.

Where it is used and how many users are there?
"It is used in Northern part of Tanzania especially in households, institutions and business entities. The number of users is more than 1000."

Why is it successful?
It is successful because it is cheaper and its heat last longer.

If you can make it, a short description, typical problems, materials needed:
" "Not applicable, needs a skilled technician"

How to make it (if possible):
" https://youtu.be/OrvNS51wae0

How is it delivered and by whom?

Successful financial model

What policies and strategies helped the success?
Donors community such as JICA -Japan has been supporting this project with the aim to limit deforestation and the effects of climate change.

More info:
"www.kidt.org, njaujean@mail.co.tz"

Sources:
KIDT (Kilimanjaro Industrial Development Trust)

When was the case uploaded?
2022-03-30

Case from Catalogue of Local Sustainable Solutions in East Africa. Read more and see partners at localsolutions.inforse.org