TRADITIONAL IRRIGATION &
ENVIRONMENTAL DEVELOPMENT
ORGANIZATION

MAJIKO SANIFU

ENERGY SAVING STOVES

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UTANGULIZI
Haya ni majiko yaliyobuniwa ili kuweza kupunguza matumizi mabaya ya nishati (kuni). Matumizi mabaya ya kuni na uchomaji wa mkaa yanasababisha madhara makubwa kuiteketeza misitu yetu. Shirika lisilo la kiserikali la TIP, linahimiza hifadhi ya ardhi na mazingira, ushirikishwaji wa jamii katika shughuli za maendeleo ili kuongeza kipato na kuwa maisha bora.

INTRODUCTION
These stoves have been designed (so-called energy saving stoves) to reduce the utilization of fuel wood. High consumption of fuel wood, has led our Natural and Public forests into destruction. The Traditional Irrigation and Environmental Development Organization is pitting more emphasis on Participatory Land Use Management, environmental conservation and activities, hence increased income and good livelihood.

Njia mojawapo muhimu katika hifadhi ya mazingira ni kupunguza matumizi ya kuni/mkaa kwani miti mingi hukatwa hata wakati ingali midogo kwa ajili ya nishati.

One important method, to keep our environment sustainable is by reducing fuel wood consumption. Presently many trees are cut in a young stage before maturity. This can be avoided by adopting different ways of energy saving instead of fuel wood.

Zipo njia nyingi au nishati zingine ambazo zinaweza kutumika badala ya kuni nazo ni:-

- Mafuta ya taa
- Umeme
- Matumizi ya pumba
- Matumizi ya vumbi la mbao nk.

These are:-

- *Use of kerosene*
- *Electricity*
- *Use of dry husks*
- *Use of saw-dust*

Kwa vile wananchi wengi wanaishi vijijini ambako hakuna umeme, TIP inahimiza upunguzaji wa matumizi ya kuni kwa kutuimia majiko sanifu

Due to the reality that most of our Tanzanian do not have access to electricity , TIP is putting more emphasis on reducing the use of fuel wood through promotion of energy saving stoves.

Faida za majiko sanifu

- Hupunguza matumizi ya kuni au mkaa
- Hutoa muda kwa akina mama kufanya shughuli zingine za maendeleo
- Himarisha matumizi ya nyenzo asili
- Usafi wa mazingira (matumizi ya vumbi la mbao ambalo hutupwa na kuchafua mazingira)
- Usalama kwa jamii na mazingira kwa ujumla

Advantages of Energy Saving Stoves:-

- *Minimize high consumption of fuel wood/ charcoal*
- *Provide time to women for other development activities*
- *Promotion of the utilization of local resources*
- *Environmental sanitation due to effective use of*

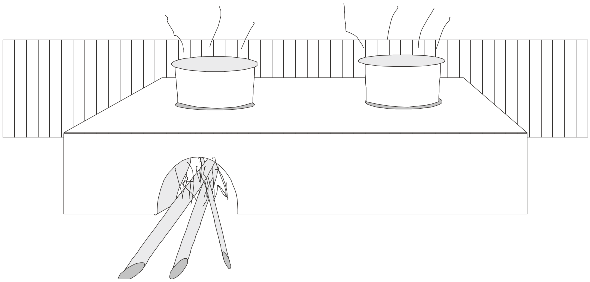
waste product (e.g. Sawdust, husks etc.) of which could have been thrown away

- *Safeguard of the community and the Environment as a whole*

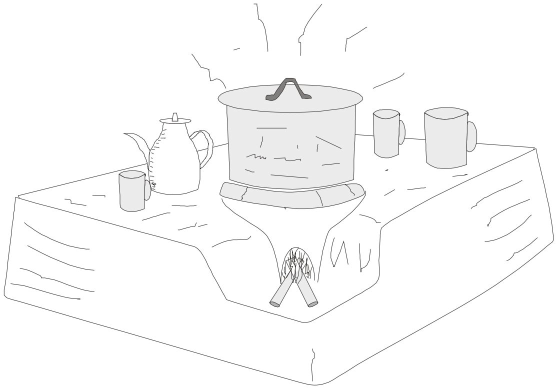
Mifano ya majiko sanifu:-
Example of energy saving stoves:-

Jiko la Kilakala
Hutengenezwa kwa udongo wa mfinyanzi, majani, mchanga na mawe.
Kilakala Stove.
Made-up from clay soil, grass and sand

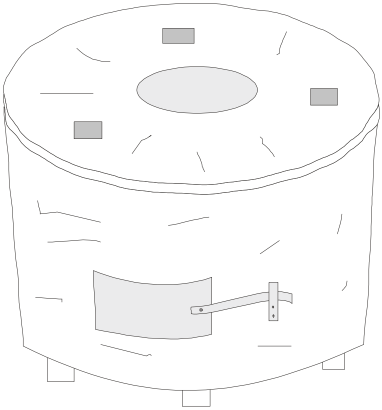
Jiko la Lushoto
Hutengenezwa kwa udongo wa mfinyanzi, majani, mchanga na matofali ya kuchoma
Lushoto stove
Made-up from clay soils, grass, sand and burned bricks



Jiko la Kigae
Hutengenezwa kwa mawe, udongo wa mfinyanzi na kigae kilichotengenezwa kabla
Liner stove
Made-up from stones, clay soils and liner (ready made)



Jiko la Pumba
Jiko hili hupatikana likiwa tayari limetengenezwa na hutumia pumba za mpunga au pumba za mbao zilizokauka. Jiko hili hutengenezwa na CAMATEC pia na mafundi wa majiko mitaani.
Husks stove
Ready made from CAMATEC. Make use of husks from rice and saw-dust



Jiko la Joto
Hutengenezwa kwa mito myeusi iliyojazwa pumba za mbao au mpunga.

Heat preserving stove
Made-up from black pillow with husks or saw-dust.

TRADITIONAL IRRIGATION AND ENVIRONMENTAL DEVELOPMENT ORGANIZATION

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