



TLC-ROCKET STOVE: SIMPLER WAY TO REDUCING FIREWOOD DEMAND AND IMPROVING CARBON SINKS



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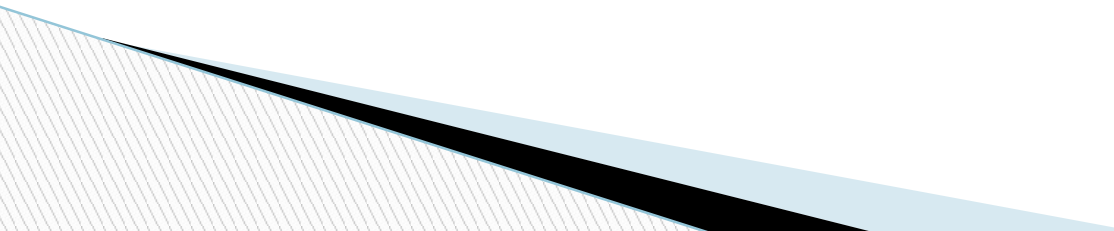
Total LandCare

16th MARCH 2022

TOTAL LANDCARE UNIQUE SELLING PROPOSITION, VISION & MISSION STATEMENTS

- **Unique Selling Proposition:** Prosperous communities on healthy lands
- **Vision:** Be the lead Organization in transforming rural households into prosperous communities on healthy lands in Southern Africa Region.
- **Mission:** To transform livelihoods of rural households for self-reliance and prosperity
- TLC vision and mission statements are well aligned to the SDG7 and readily support the Malawi cleaner cooking energy compact and its ambitions.
- TLC projects and interventions are environmental conscious and tailored to respond to the needs of the rural masses without disturbing the land resources upon which they depend

TLC ROCKET STOVE AND ITS DRIVE

- Increased demand for firewood
 - Increased cases of respiratory and eye diseases caused by indoor air pollution
 - Increased carbon emissions and climate change effects.
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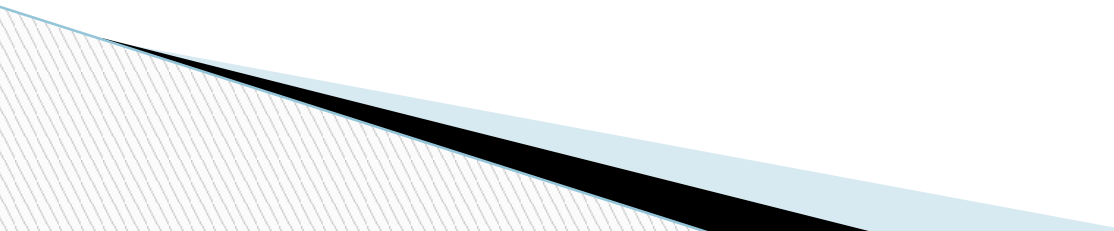
PICTORIAL ILLUSTRATION OF TLC-ROCKET STOVE

SINGLE BURNER STOVE

DOUBLE BURNER STOVE



TLC ROCKET STOVE PERFORMANCE

- When correctly used the stove is very efficient and saves a lot of firewood
 - Recent experiments(WBT) showed an average result of 28% efficiency while the three stone stove gave an average of 11%
 - KPT surveys showed over 50% wood savings when using the rocket stove compared to the three stone fire stove hence the stove is very loved by women
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A smile in the face of a mother is a smile for the whole family



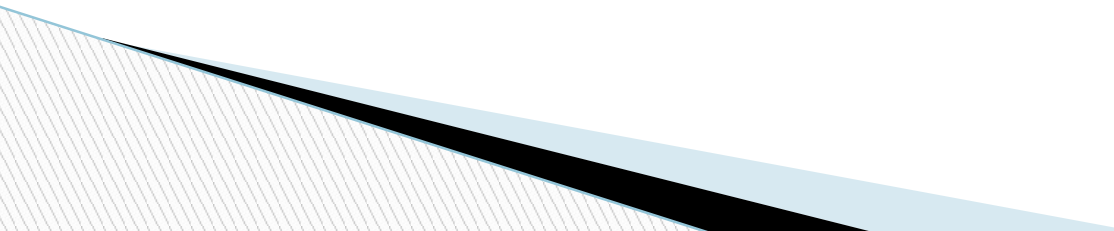
IMPLEMENTATION APPROACH

- **Village cluster approach**
- **Target households using three stone fire stove (demand driven)**
- **Use of local structures (Ensures Sustainability)**
- **Beneficiary capacity building(Ensures Sustainability)**
- **Villages/households to plant fast growing tree species and/or manage NR for firewood. Only twigs are harvested for firewood and NOT the whole tree.**
- **The stove is self selling owing to its numerous benefits hence demand is very high**
- **50,000 households targeted with double burner rocket stoves within five years (2021-2025)**

SIMPLIFIED TLC-ROCKET STOVE DISTRIBUTION MATRIX

Implementation Period (Yr)	Target(#)	Achieved	Remacks
2013-2020	155,667	155,667	
2021	26,500	24,450	Delayed by funding issues. 4450 are double burner stoves
2022	10,000	0	To start from May, 2022

IMPLEMENTATION CHALLENGES & SOLUTIONS

- The major challenge faced is to meet the increasing demand within a short space of time since many villages want to benefit during same implementation period. Villages are encouraged to build the stove and improvise the stove accessories like stickshelf and potrest.
 - Destruction of stoves during rainy season especially in flood prone districts like Karonga, Nkhotakota and Salima. Stoves are rebuilt by benefiting households when conditions normalise.
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QUESTIONS & COMMENTS

You can still contact us for more information at your convenient time through the following contact addresses:

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