



Technical Specification of Improved Cook Stove (Tier 3⁺)

Key Features:

Stove Type: Household improved cook stove for cooking purpose.

Pot hole: One

Fuel: Wood chips

Technical Parameters:

SN	Description	Technical Specifications
A. Mandatory Performance Parameters		
1	High power Thermal Efficiency	$\geq 35 \%$
2	High power CO	$\leq 9 \text{ g/MJ}_d$
3	High Power PM	$\leq 168 \text{ mg/MJ}_d$
4	Safety Performance	≥ 88 out of 100
B. Other Parameters		
5	Durability Conformity	
5.1	Combustion Chamber - Stainless Steel - Mild Steel	$\geq 1 \text{ mm thickness}$ $\geq 3 \text{ mm thickness}$
5.2	Grate (where applicable) Rod Structure - Cast Iron structure - Stainless Steel - Mild Steel Plate Structure - Cast Iron structure - Stainless Steel - Mild Steel	$\geq 4 \text{ mm thickness}$ $\geq 4 \text{ mm thickness}$ $\geq 6 \text{ mm thickness}$ $\geq 4 \text{ mm thickness}$ $\geq 1 \text{ mm thickness}$ $\geq 2 \text{ mm thickness}$
5.3	Top plate with pot riser - Cast Iron structure - Stainless Steel - Mild Steel	$\geq 3 \text{ mm thickness}$ $\geq 1 \text{ mm thickness}$ $\geq 2 \text{ mm thickness}$
5.4	Extended Run Test	

6	• Risk Factor	≤ 1
7	Warranty	1 Year replacement warranty
8	Product Identification	Unique Serial Number
9	Product Introductory Test Certification	The bidder shall submit the Product Introductory Test (PIT) certificate along with the bid.

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