

Technical Specification of Improve Cook Stoves (Tier 3+)

S/N	Description	Technical Specifications
A. Mandatory Performance Parameters		
1	High power Thermal Efficiency	$\geq 35 \%$
2	High power CO	$\leq 9 \text{ g/MJd}$
3	High Power PM	$\leq 168 \text{ mg/MJd}$
4	Safety Performance	≥ 88 out of 100
B. Other Parameters		
5	Durability Conformity	
5.1	Combustion Champer - 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 Certificate	The bidder shall submit the Product Introductory Test (PIT) certificate along with bid.
C. For Forced Draft Cookstoves		
1	Power Adaptor, Fan (Blower) & Battery	Sealed & Maintenance free or Li-ion (Minimum 3 hours backup for Blower)