

## Technology Fact Sheet for Mitigation

Technology	Description	Benefits	Challenges
<b>Metal kiln</b> <sup>i</sup>	This technology requires use of portable metal kilns to make charcoal at relatively higher efficiency typically around 20% with reasonable investment costs of around 5000-10000 US\$ per unit.	Environmental and socioeconomic benefits include; significant reduction in toxic indoor air pollutants which will result in improved health conditions. Due to increased on-farm availability of fuelwood the time spent daily on gathering fuelwood is saved for use in more productive activities and higher incomes, which in itself could further improve livelihoods.	The challenges to implementation of this technology is on the need for awareness and information programme and innovative financing mechanism.

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<sup>i</sup> This fact sheet has been extracted from TNA Report – Technology Needs Assessment and Technology Action Plans For Climate Change Mitigation– Zambia. You can access the complete report from the TNA project website <http://tech-action.org/>