

# China Clean Stove Start-up

Prepared for the EMA-JTEC 2010

## Purpose of the Plan

This business plan is to introduce a potential start-up 'China Clean Stove Programme', hereafter '**The Start-up**', which will target the replacement of fossil fuel burning stoves in rural China with new ones using biomass briquettes, as known as a carbon neutral fuel. Indoor pollution due to fossil fuels burning is avoided, hence carbon dioxide emissions will be reduced, and local environment will be improved through utilising the biomass residues that are supposed to be burnt in current baseline scenario.

Financing sources that are interested in renewable energy development could find more information in the following sections, which will clearly document the operation details of this start-up.

## Introduction to 'The Start-up'

Cooking and heating in some Chinese rural regions consumes a considerable amount of fossil fuel such as coal, supplemented with a fairly small amount of biomass residue, and this will cause severe **indoor pollution** and therefore health problems to the residents. According to the statistics, the deaths caused by indoor pollution in China amount to 111,000 every year, and the majority are in rural residents, leading to an economic loss of 10.7 billion dollars.



Traditional Coal Stoves in China



Burning of Biomass in the Field

**Outdoor pollution** due to burning of biomass residue in the field is commonly seen in many rural areas in China, especially Northern provinces such as Hebei, Shanxi, Shandong and so on.

**To address the issues mentioned above, The Start-up aims to:**

- 1) Replace the fossil fuel cooking/heating stoves in rural China with biomass briquette- fuelled gasification stove, and therefore, reducing the indoor pollution and carbon emissions caused by fossil fuels burning;
- 2) Improve local environment through reducing burning biomass outdoor;
- 3) Create local jobs via setting up up-stream and down-stream markets such as processing centres, stove supply business, etc.;
- 4) Establish an efficient and reliable local carbon market and meet the demands from people/ organisations with environmental consciousness in achieving carbon neutral and a green life/ business.

Should you be interested in further details, wish to become involved with or contact this venture please send an email titled "**Contact China Clean Stove**" to [jobs@em-a.eu](mailto:jobs@em-a.eu).