



An aerial photograph of a solar power plant. The image shows a large array of solar panels in the foreground, a central building with a red roof, and a surrounding landscape with trees and a road. The image is overlaid with a semi-transparent black box containing text.

45 Kws: 5 separate solar power plants: only fully solar electrified campus in India



Total Generation:287 Kws/day: 6 Battery Banks:Storage: 460 Kws



Between 2004 and 2009 the barefoot approach has reached almost all the Least Developed Countries in the Continent of Africa



The very poor in Africa use these wick lamps called by many names in different countries



Each family spends \$ 3-5 on kerosene per month



In improvisation and invention the poor in Africa have no equals:In Niger they are called Obisanjos





4 Torch batteries:4 LED lights and CD as a reflector: batteries last one week



For 5 litres of kerosene women sometimes have to walk for 10 km in Africa



No. of BSE/Year

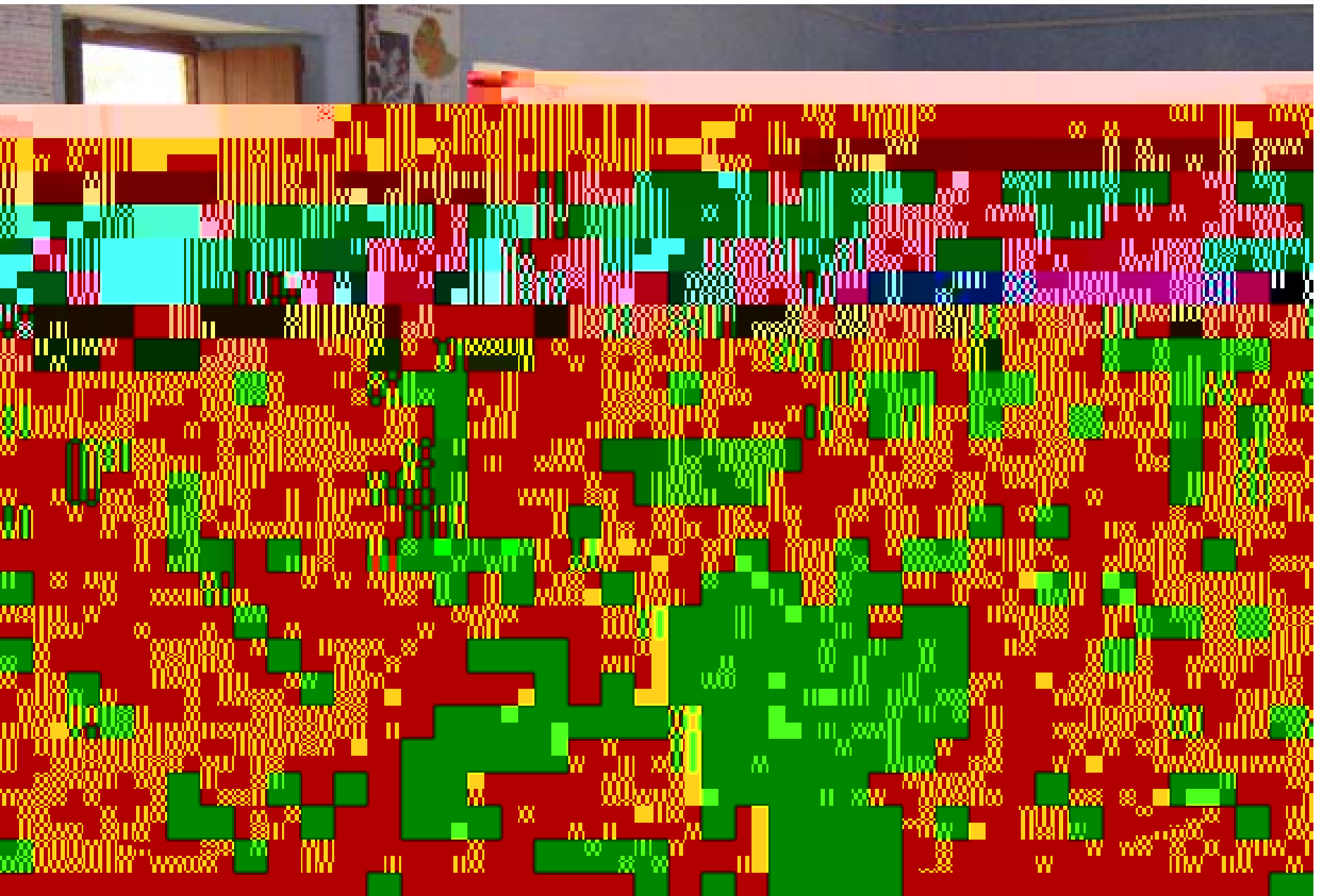
2009 (4/27/2009)

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The image is a digital glitch or corrupted file. It features a background of a rural landscape with green fields and a blue sky, but the colors are heavily distorted and pixelated. A black rectangular box is overlaid at the bottom, containing orange text.

The best solar engineers all over the continent of Africa have been the illiterate rural grandmothers



Semi-literate, leaving their village for the first time to come to India

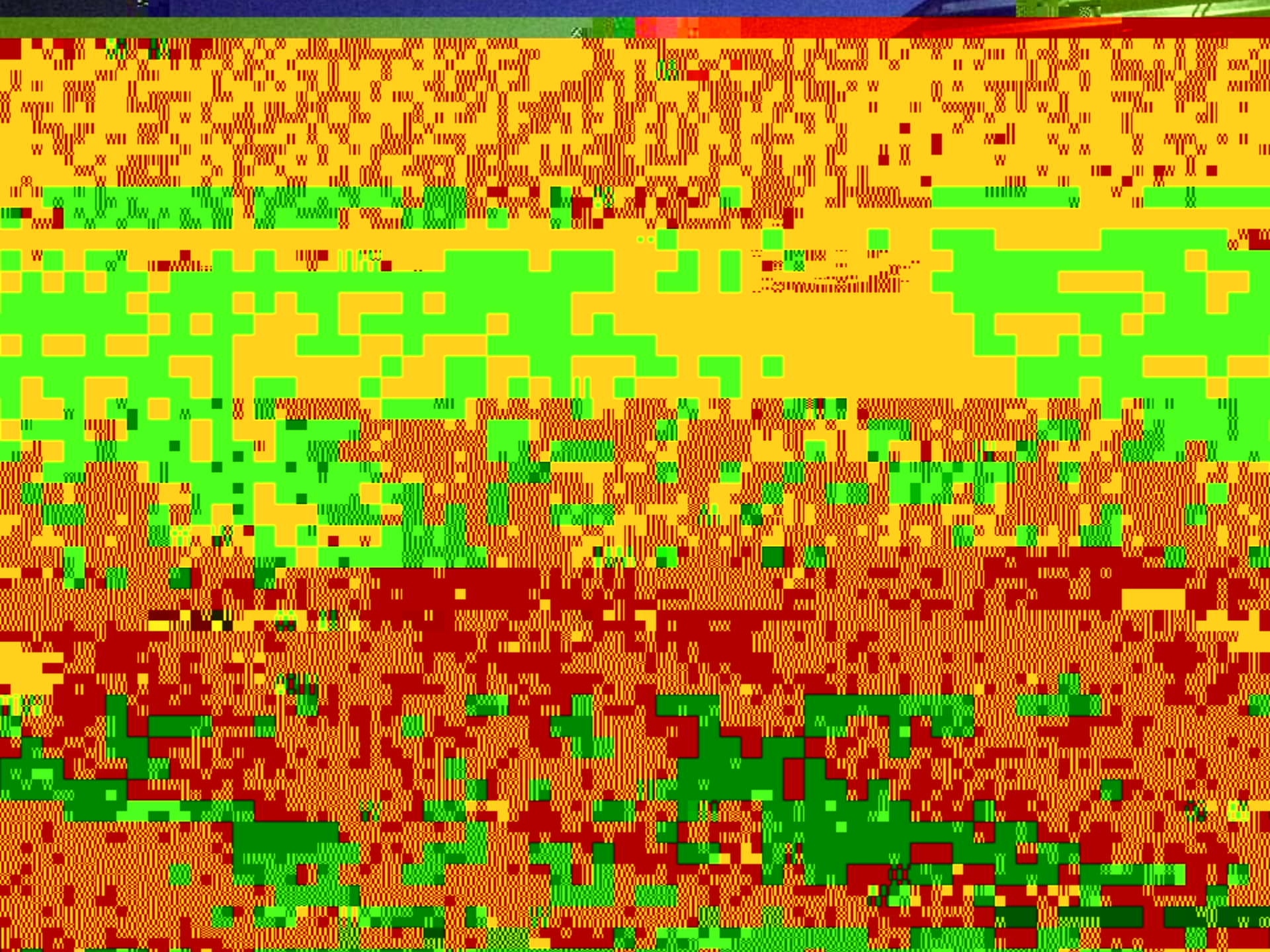






**Goal 1: Eradicate Hunger**











**Goal 3: Promote gender equality and empower women**

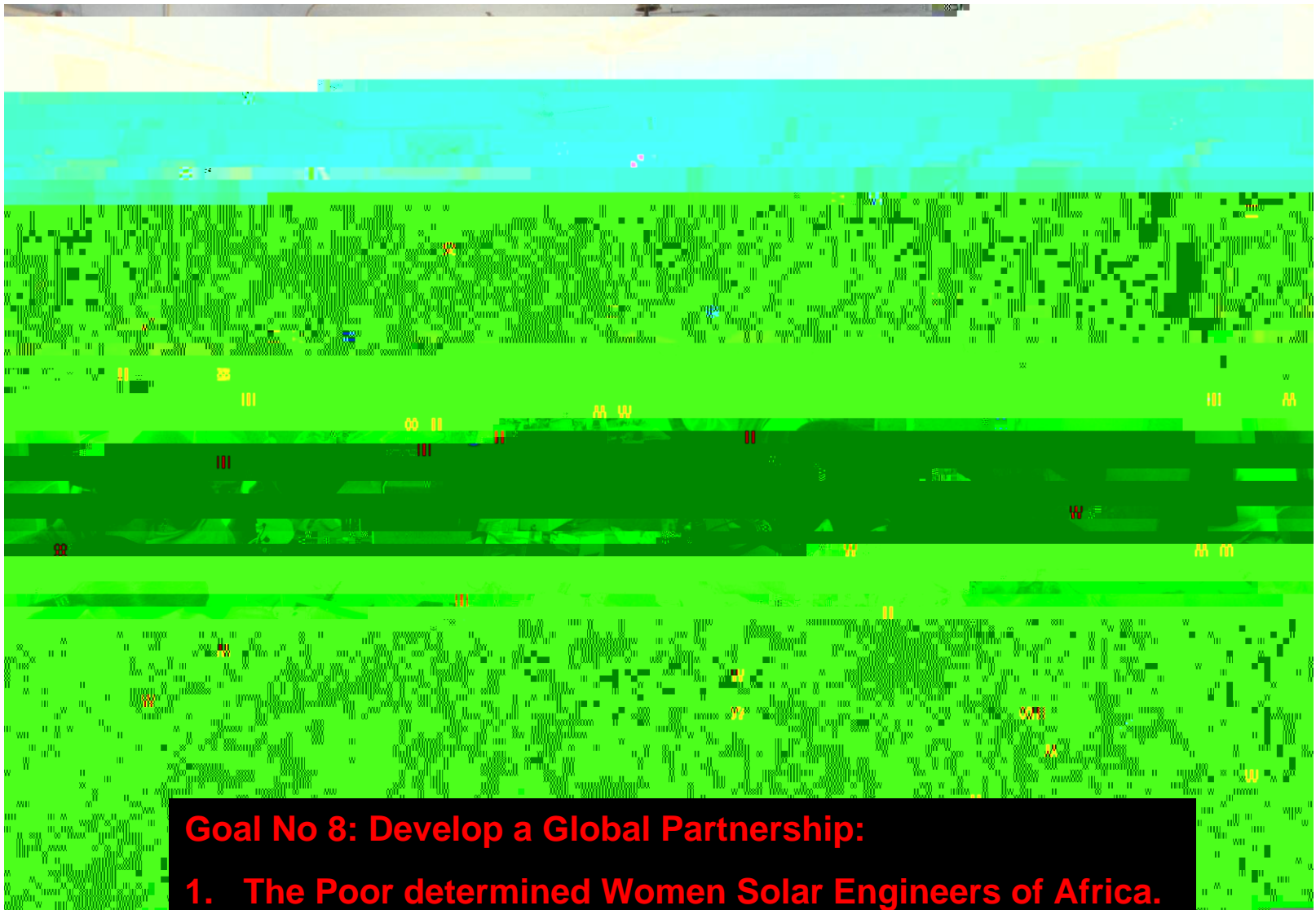


**Goal No 4: Reduce Child Mortality**

Goal No 5: Improve Maternal Health



**Goal No 7: Ensure Environmental Sustainability**



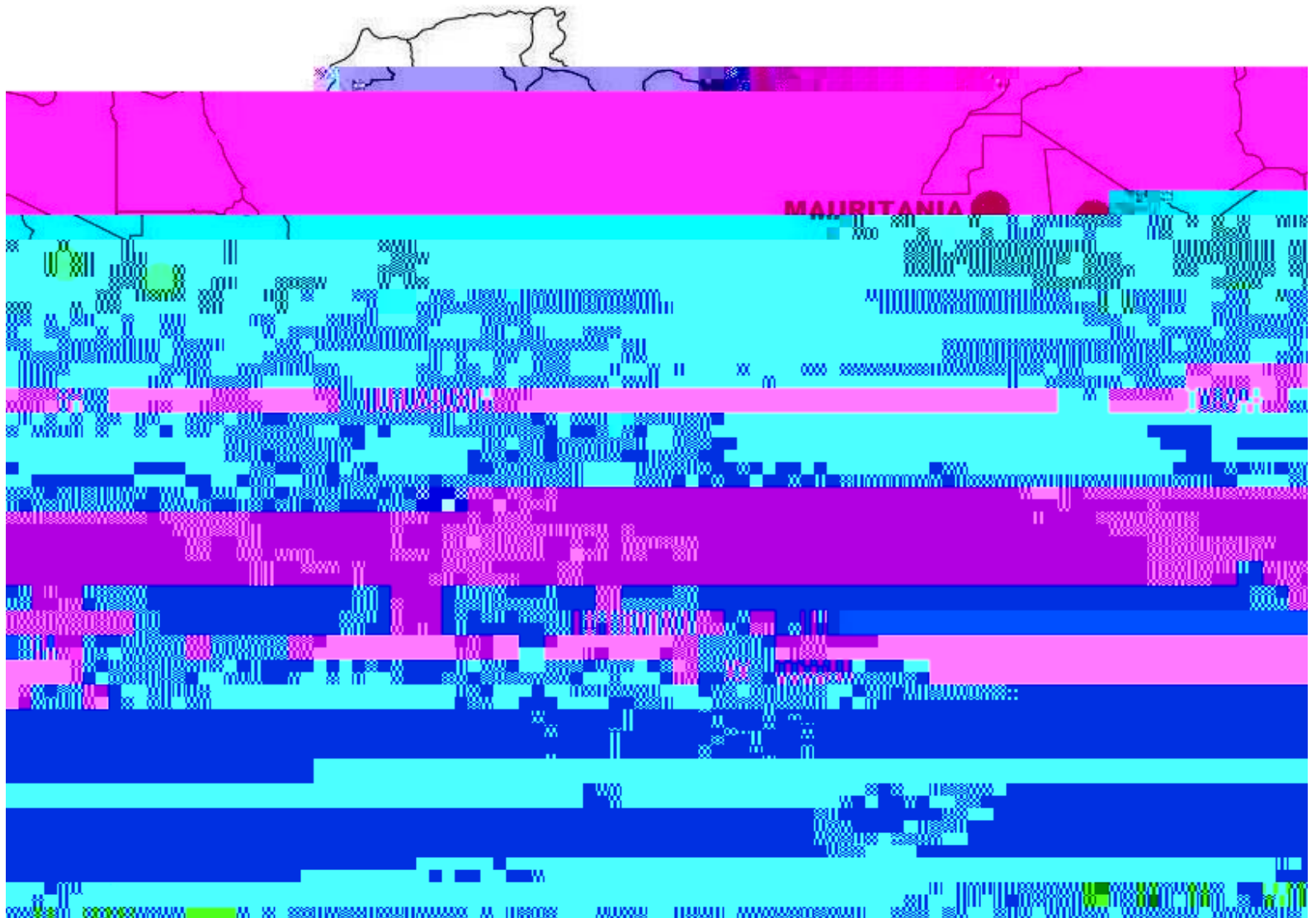
**Goal No 8: Develop a Global Partnership:**

- 1. The Poor determined Women Solar Engineers of Africa.**
- 2. The GEF Small Grants Programme in UNDP**
- 3. The grass root Social Entrepreneurs of Africa**
- 4.**





\$ 2 million each per village over 5 years



**15 COUNTRIES; 75 VILLAGES ; 6,000 FAMILIES ;  
100 WOMEN BAREFOOT SOLAR ENGINEERS;  
TOTAL COST: \$ 2 MILLION.**

# The First Rural Women Heroes of Mali