

Sustainable Energy - Innovative Projects - A solution for many Rural Issues

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SKG Sangha

An NGO formed in 1993 not-for profit

Working Fields: Energy, Agriculture and Waste Management

- Already working in:
India, Kenya, Ghana, Uganda, Indonesia,
Nepal and Mali
- Proposed to work:
Liberia, Sudan, Burkina Faso, Cameroon,
Morocco, Colombia, Honduras and Nicaragua



Objectives of the Programme

- Energy Security
- Food security
- Economic Empowerment
- Equality
- Rural Waste Management
- Health
- Climate change



Achievements so far

- No. of biogas plants built – 90,000
- Kerosene Saving/year - 1,951,200 ltrs
- Saving of firewood/ year - 284,550 ton
- Saving of CO₂ per year - 500,000
- High success rate of biodigesters - about 95%
- Working on increasing the efficiency of equipment
- Working on different models of funding and facilities



Common Problems In Rural Areas

1. Energy
2. Indoor air Pollution
3. Farmers Suicides
4. Availability of Fertilizers
5. Conservation of Water
6. Gender
7. Education
8. Health
9. Sanitation
10. Waste Disposal
11. Power
12. Urban Migration



New Products

- Biogas pressure regulators
- Highly efficient biogas burners
- Designing of low-cost small windmill
- Treatment of Non-segregated Municipal Solid Waste through stage separator biodigesters.



Sources of Finance

- Beneficiary Investment
- Charity
- Government Subsidies
- Carbon funds
- Bank and Institutional finance
- Microfinance - Interest Rate



Models tried

Package 1: Vermicompost Biodigesters

Package 2: Biogas plant with various combinations like Solar Lamps, pressure cookers, improved cookstoves, cows, tree plantation etc.

Package 3: Micro-hydro Projects with water supply scheme

Package 4: Biogas plant with a cow + Solar lamps

Package 5: Solar Power for irrigation for animal fodder to make biogas programme technically feasible



Future Targets:

To extend the facilities to 50,000 new families every year

To identify and train more new organizations/persons to work in this line

Extend our projects to South American Countries and East Asian Countries

Financial Strategy for the future

Charity+ODA+Carbon finance

