Poverty Reduction Experiences in South Asia By Raymond Myles

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INFORSE-South ASIA
International Network for Sustainable Energy

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Side Event jointly organised by INFORSE & WECF
UNFCC COP-14, Poznan, Poland
December 6, 2008

Promoting technology to reduce poverty NGOs have learnt the two major lessons:

FIRST LESSON:

Technology may be size neutral

But it is not:
- Gender Neutral and
- Resource Neutral

SECOND LESSON:

Technology is like fire - this means that:

- It is a good servant and
- Bad Master

In other words those who can control the technology can become powerful but those who can't control will get further marginalized

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INFORSE-South Asia Cooperation:
Experiences on Sustainable Energy Solutions for Poverty Reduction

❖ Collected regional experiences, best practices from Bangladesh, India, Nepal, Sri Lanka, using INFORSE members
❖ Prepared Manual & choosed the right solutions
❖ Prepared a Financial Manual (micro credit experiences)
❖ Published in paper and in a CD in 5 languages + web
❖ Using the manuals for national dissemination with partners (Grameen Shakti in Bangladesh; INSEDA, AIWC, SDA & WAFD in India; CRT in Nepal; and IDEA in Sri Lanka)

SOME OF THE RENEWABLE ENERGY TECHNOLOGIES (RETS) INCLUDED IN THE SET MANUAL

Anagi Cook Stove in Sri Lanka

ANAGI Improved stove promotion in Sri Lanka

Improved Cook Stoves in Indian villages

Cooking with Briquettes made from Biomass Wastes in Nepal

Different Stages of Construction of Grameen Bandhu Biogas Plant

Employment to poor rural women in their own villages in spare time and at their convenience for weaving bamboo structures for building bamboo reinforced Grameen Bandhu biogas model being promoted by INSEDA in India

Animate Energy

Treadle Pump for irrigation- Marginal farmers using this technology for vegetable cultivation can recover the cost in 1-2 years, by selling the produce. Treadle Pump is popular in the eastern part of India, where the water table is less than 24 feet

Cooking with Box Type and Parabolic Solar Cookers in South Asian Countries

Solar Dryers for Vegetable and Fruit Drying in India

Domestic Solar Dryer   PV operated community Solar Drying system

Solar Lanterns being Promoted in Indian Villages by NGOs

Solar PV Lanterns

Solar PV operated decentralized water purification unit for round the clock drinking supply in non-electrified/ uncertain power supply villages

- Being promoted by 2500 INSEDA in Indian villages for sustainable drinking water supply for Community.
- Liters water (removes Bacteria & Virus)/day
- 800-1,000 people get safe drinking water each day

Promotion of Jatropha Curcas for Bio-fuel and Manure Production for Sustainable Livelihood in NGO Villages

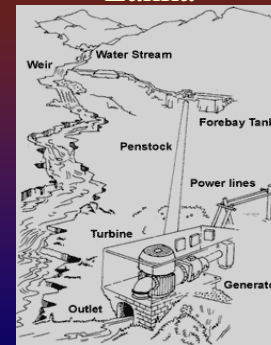## Solar PV
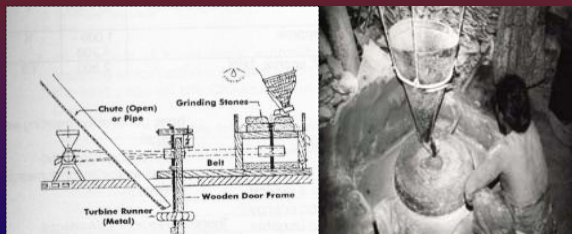home power system for lighting, street lighting

Mobile phone charging Bangladesh

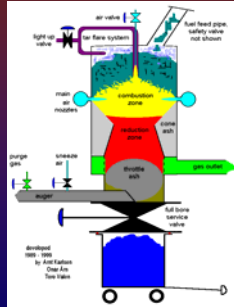Irrigation Pump Set, India

Micro Hydro System in Sri Lanka

Improved Water Mill for Multiple Applications (Operation for Grinding on the right) in Nepal

Operation of dual fuel engine on biogas for generating electricity and mechanical operation in a village in Rajasthan, India

Biomass Gasification for Village Level/ small-size decentralized power generation

Wind Energy for Small Scale Irrigation and Power Generation

Wind Mill for Irrigation   Small size Wind Generator

Local Organisational Solutions are Important
how these technologies empower poor people
Included in the last chapter in the SET manual

Self-help groups
Micro-financing groups
Village cooperatives/societies
Private sector involvement
Micro-utilities
Micro-entrepreneurs
Trade associations

THANK YOU

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CDs of Manual: English, Hindi, Nepalese, Bangladeshi, Singhalese, - Financial Manual in English

Published in 2008, INFORSE-South Asia Cooperation project on capacity building project for NGOs in SETs for poverty reduction.

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