Practical Action

Energy

Micro Hydro Plants

Kathmandu, Nepal

- Bridge built to trasnport crops to markets
- 2KW microhydro generator on river
- Special non-polluting toilets, resulting fertiliser used on crops
- Provides light to 3 villages: 47 houses
- Less water reliant plants
- Production up from 10 to 30+ tons
- Previously monsoon rain patterns ruined crop growth
- Provide light, grain milling and power small businessses

Improved Stoves

Kenya

- PA works with women's groups to produce stoves
- Around 11,000 made & sold each year
- Mud, Ceramic, Metal
- Less than 50% fuel used compared to open fire

Sri Lanka

- 400+ potters trained in production of 'Anagi' ceramic stoves
- production to hit 120,000 per year

Biogas

Sri Lanka
Kathmandu

- Residue after burning is quality organic fertiliser
- Reduces defores-tation
- Locals boost income by changing to biogas energy supply
- Produced from water and cow manure

Wind turbines

Gurugoda, Sri Lanka

- Charge up vehicle batteries to power lights in houses
- None of the homes are metered, villagers aren't charged for the electricity
- Close community bonds prevent misuse
- Households with TV & Casette player pay a 150 rupees monthly donation to the maintenacne of the wind turbines, those without pay 100 rupees.
- PA worked with local community to ensure that energy consumption matches weather and social conditions
- Provides each husehold with 200W
- Energy saving appliances used
- Villager's consumer society controls appliances used