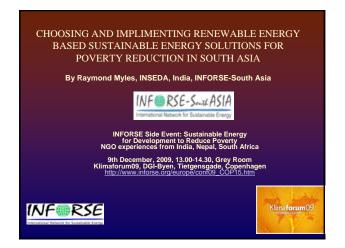
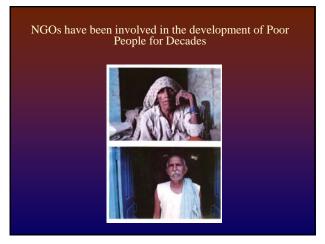
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NGOs have learnt the following two major lessons in promoting technological oriented poverty reduction programme

<u>FIRST LESSON</u>:

- 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

Development Organizations were of the opinion that:

 Give a fish to a poor and he/she will come back to you again and again

BUT

 If you teach him/her to fish he/she will sustain him/her self But poor is where it was before such interventions- WHY

* BECAUSE NOW WE HAVE LEARNT THAT TEACHING ALONE HAS NOT EMPOWERED THEM AND MAKE THEM SUSTAINABLE, AS WE DIDN'T PROVIDE THEM THE RIGHT TO FISH (OR IN OTHE WORDS PROVIDE THE RIGHT CONDITIONS, MEANS AND RESOURCES TO USE THE TECHNOLOGY AFTER TRAINING, FOR HIS/HER BENEFIT)

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NEW DEVELOPMENTAL APPROACH SHOULD BE

- ♦ STEP-I
- Teach Poor how to fish
- **♦ STEP-II**
- Also Give the poor the right to fish

INFORSE Strategy for Promoting Sustainable Energy Technologies (SETs) for Poverty Reduction

- Based on lessons learnt from the past following steps were proposed for implementation of poverty reductions using RET solutions in South Asia:
- 1). In the first phase, undertake the capacity building of different stakeholders including the poor, who is the end user of the RET, and

INFORSE Strategy for promoting RETs for poverty reduction

- ❖ 2). In the next phase;
- (b) To make available resources to the poor using the micro-financing for the funding RET activities (which other wise they couldn't afford), and they can repay the amount in easy installments with out pressure on them

Problems of Centralised Energy Solutions

- Power grids are very unreliable in rural areas of many
- In areas with small power demands, construction costs and transmission losses are high, resulting in a very high real cost of power
- High costs of connection and use make power unreachable even in many electrified villages
- LPG & kerosene for cooking leads to dependency on imports and high costs due to high oil prices.





Local, Sustainable Solutions

- ❖ In many areas there are enough local sources for
- * Renewable energy could provide clean and affordable energy solutions in most rural areas
- ❖ Efficient utilisation of energy is an important part of the solution.
- ❖ The challenges are to disseminate successful RETs, choose the right solutions in each area/village, have availability of micro-funding, build capacities for installations, maintenance etc.

Promotion of local, sustainable energy solutions for poverty reduction in INFORSE South Asia

- Prepared Manual to introduce sustainable energy solutions for poverty reduction & choose the right solutions

 Also prepared a Financial Manual on sustainable energy solutions based on Grameen Shakti & others' experiences
- These Manuals, compiled information and other relevant information have been published in CD in 5 languages
- INFORSE South Asia is using these two manuals is now undertaking national dissemination with partners (Grameen Shakti in Bangladesh; INSEDA, AIWC, SDA & WAFD in India; CRT in Nepal; and IDEA in Sri Lanka)

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SET MANUAL HAS THE FOLLOWING FOUR CHAPTERS

- Chapter-1: Introduction
- ❖ Chapter-2: How to choosing right RET Solution
- Chapter-3: Different Renewable Energy Technologies (RETS)
- * Chapter-4: Local Organizations managing sustainable energy

Some of the RE Technical solutions included under Chapter-III of the SET Manual

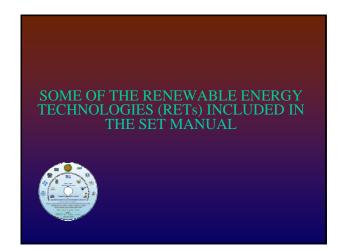
- Improved cook stoves, as part of the integrated solutions with appropriate kitchen facilities to prevent indoor pollution and biomass fuel management
- Biogas for cooking, and lighting etc.
- Biomass (Biogas plants and Gasifier) based decentralised power generation (off-grid)
- Solar cookers
- * Biomass Briquettes for cooking
- ❖ Solar PV electricity
- * Micro hydro
- * Solar dryers
- And many other solutions for space heating, transport,...

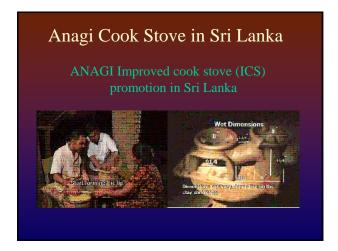


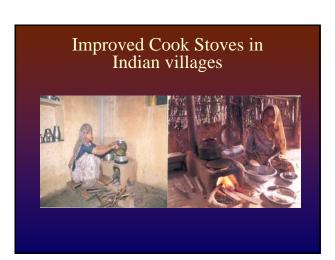
Local Organizations managing sustainable energy solutions included in the Chapter-IV of the SET Manual

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





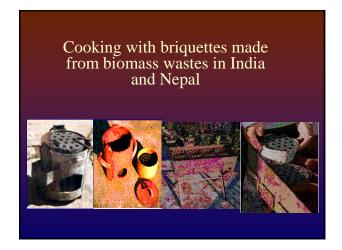


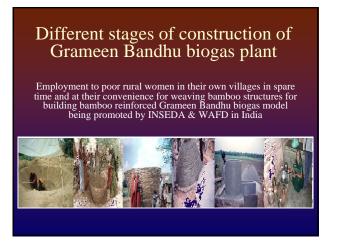


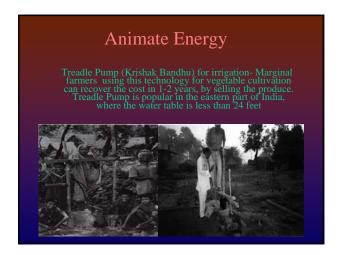


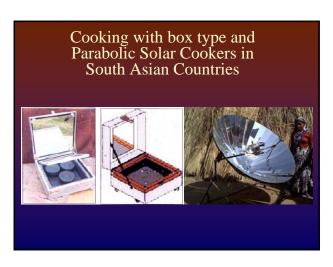


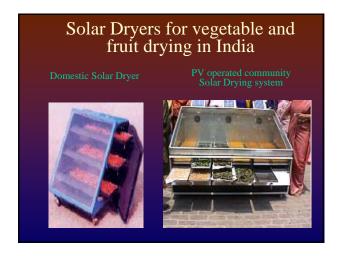










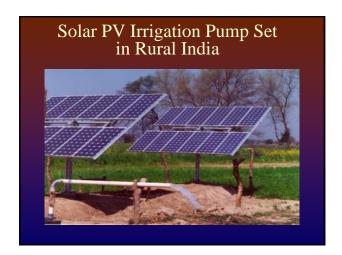


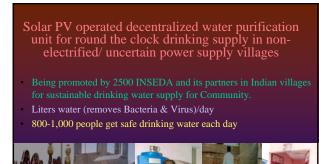




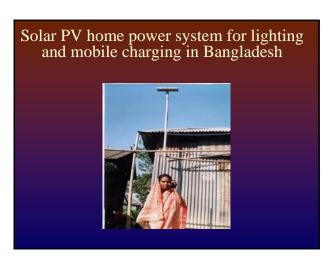


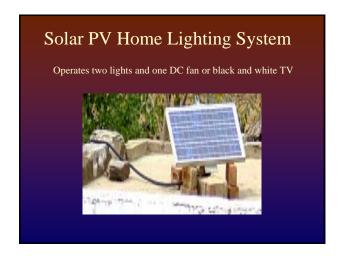


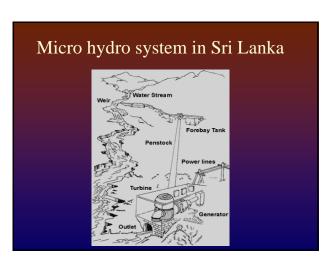








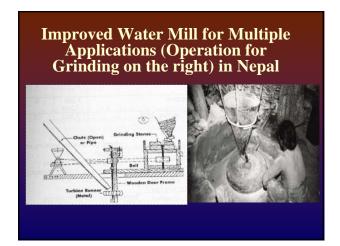


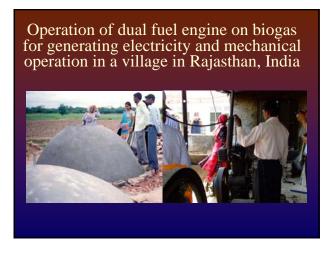


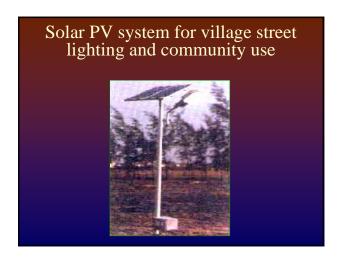


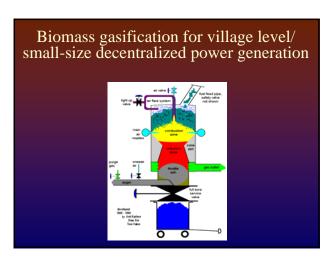




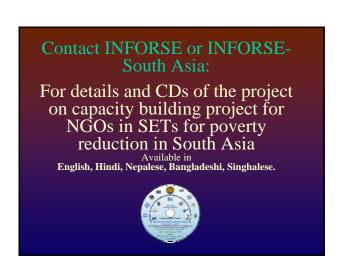












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INSEDA has recently got involved in getting carbon credit for the household biogas plants of members and partners

INSEDA with the assistance of GTZ International, Carbon Procurement Unit (CPU)-India, has already prepared the Project Design Document (PDD) and submitted to the Gold Standard Foundation (GSF) for registry

