



Schweizerische Eidgenossenschaft
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**Swiss Agency for Development and Cooperation -
SDC**



Women in Energy- New perspectives

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and Renewable Energy (USAID-SARI/Energy)
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**Organised by- PA Consulting Group and Energy
Management Centre, Kerala**

Presentation Structure

1. Current Realities
2. Opportunities and challenges -Stories from the field
3. Way forward

1. Current realities

1.1 Frame Conditions

- Energy security concern
- Increasing prices of all fuels
- Recurring shortages
- Climate change concerns
- A mixed track record of the sector

1.2 Status of energy services

- Electricity is a mirage that we chase
- Who benefits from LPG subsidy?
- Kerosene continues to be poor household's modern fuel for cooking and lighting
- Biomass is a dependable fuel.
- Renewables have built a credibility.
- Centralised and decentralised systems co-exist
- Power and thermal services co-exist.

1.3 Policies and programmes

- To provide electricity to all un-electrified villages and to connect 23 million households below poverty line is one of the goals of Bharat Nirman.
- The act, the policy and the programme to realise this are in place.
- It is also foreseen that firewood is available within one km of a habitat. The mechanisms are not in place.
- Renewables will play a supplementary and niche role.
- This paradigm needs a critical appraisal.

2. Stories from the field

2.1 Opportunities--

- Many success stories
- Proven technology (Solar, SPV, Gasification for power and thermal energy) systems
- Many viable business models to enhance incomes and strengthen livelihoods
- Micro-equity, micro-finance available.
- Carbon finance is being used.
- Many new actors enter the energy sector.

2.2 Challenges

- Lack of coherence between decentralised and centralised systems.
- what happens if the electricity doesnot reach the connected households?
- difficult to get the attention of the govt on issues around clean cooking energy. Even under best scenario, biomass fuels will continue to be used for at least next 20 years.
- Women have a key role to play in addressing this challenge. (users, managers, new forms of collectives offer new possibilities)-ability to change mindsets

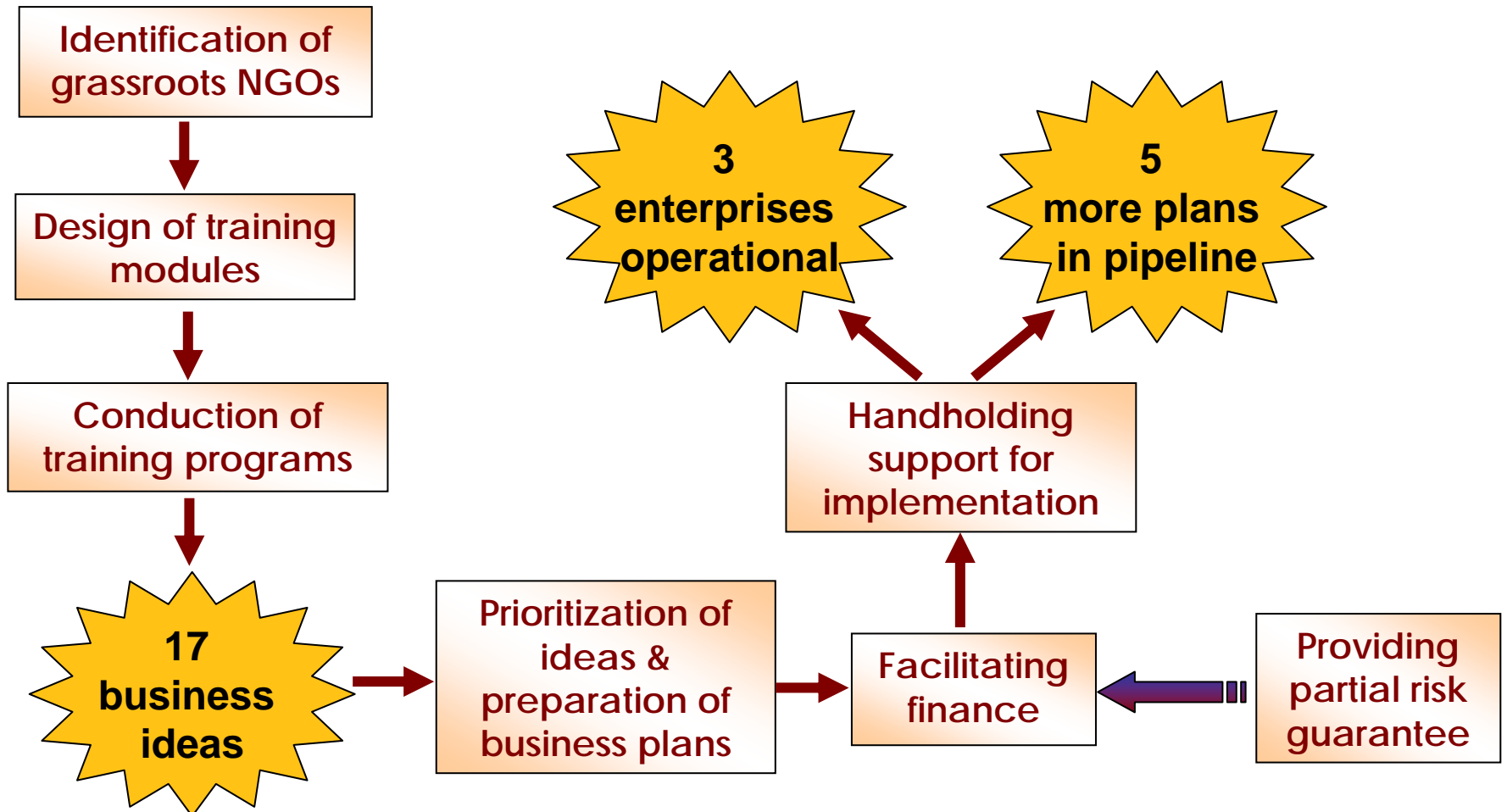
Power Gasifier at Village Jemara, Chhattisgarh



A view of BP stove



The adopted model



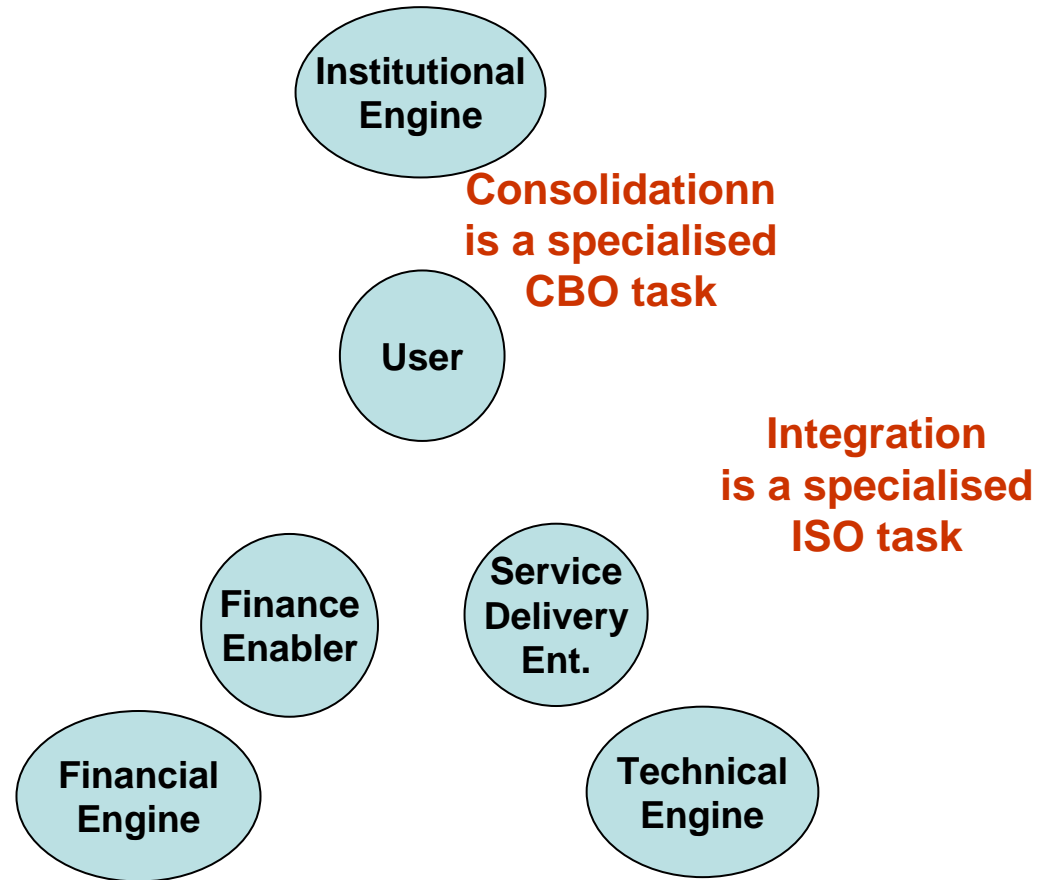
Learning

Energy Services Orientation (DA)

Primary functions of a Collaborative Platform are:

- consolidation
- integration

for effective incubation and commercialization



3. Way Forward

- Develop locally anchored energy service models
- Involve local authorities-Village energy committees, Panchayats.
- Integrate renewable and energy efficiency energy options into a service delivery model.
- Build institutional capacities at local level-SHG, PRIs, Colleges, Universities, State depts, banks, dist authorities etc.
- Pilot coherence between local and national systems
- Monitor for achieving service delivery and quantify the local and global benefits to incentivise the service delivery.
- What can women do in these action lines?



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THANK YOU