

REPORT ON THE OUTPUTS OF THE DEVELOPMENT ENERGY IN AFRICA WORKSHOP

"Second National Workshop Report"

2nd November 2006

Chita Lodge

By

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1.0 BACKGROUND

The Development and Energy in Africa (DEA) is the project of the EC COOPENER Programme which started on 1 May 2005. The project duration is expected to be 30 months.

It is being implemented by Risø National laboratory, and Energy Centre of the Netherlands (ECN) in 6 African Centres

The immediate objectives:

- to establish and apply an Assessment Framework for evaluating development and poverty impacts of energy interventions
- to engage in a dialogue with energy policy makers and other stakeholders on the basis of the framework, with a view to incorporating these issues in energy policy.

The first workshop was held in Zambia at Mulungushi International Conference Centre , in Lusaka, on 9th September 2005 The workshop dubbed “Kick of Meeting ” attracted participants from sectors including; government Organs (ministries, departments, agencies), Non-Governmental Organizations, Companies (Public and Private) and the media

The objectives of the workshop was to

- Make awareness of the existing prospects and challenges on harnessing energy towards a sustainable development path with particular reference to transport fuels
- Make policy recommendations to promote production and use of biofuels

As part of the DEA process, a second project workshop was held from 5th – 7th June 2006 at Fringilla, and hence the name “Fringilla Process”. The objectives for the Second Project Workshop were:

- To follow the four-step process so that all six participating Centres were prepared to carry out the case studies
- To discuss and agree on next steps in the project and related matters

Three energy interventions were identified at the start of the DEA project. Namely:

- Solar bakeries
- Jatropha Processing and
- Energy Service Company (ESCO)

For the Zambian, case the ESCO project was selected for a start. The case studies were carried out and the results were presented at the second National Workshop held on 2nd November 2006 at Chita Lodge in Lusaka: The main objective of 2nd National Workshops was;

- To discuss the results of the case study from the Zambia and consider the other case studies from other countries, with a view of shaping up DEA Assessment Framework.

2.0 WORKSHOP PROGRAMME

The workshop was held for a full day and those in attendance included stakeholders from government, NGOs and ESCOs

The programme that was adopted is shown in Appendix A.

3.0 ATTENDENCE

A total of 14 people were in attendance. The details of the attendees are presented in Appendix B. Ms L.M Zulu chaired the sessions of the workshop.

4.0 WORKSHOP PROCEEDINGS

4.1 Official Opening

The introductory speech was made by *Sten Dieden* from UNEP RISOE, *Energy for Development Risø National Laboratory Denmark*

He explained the purpose of the workshop and explained about his experience with the second national workshop in Botswana where he had earlier attended prior to Lusaka workshop.

Mrs L. Zulu from CEEEZ, officially opened the workshop.

4.2 Presentations

Four presentations were made. They are summarised in this section.

4.2.1 Development and Energy in Africa, Overview, methodology outline and Brief results from case studies in Senegal, Zambia and Tanzania

By Sten Dieden , UNEP RISOE

Summary

The presenter focused on overview of the DEA project, outline of the DEA methodology and brief results from case studies in Senegal, Zambia and Tanzania.

The overview covered the following

- Develop and apply a framework for impact analysis from small/medium energy projects in six African countries
- Focus on development/poverty alleviation impacts
- Six African Centres as partners – six different case studies

- Involve multi-sector stakeholders – explore how information on impacts can influence policy and intervention design
- Raise awareness of potential links between energy and development

The methodology portion of the presentation covered the following:

- Started with the concept of an “Assessment Framework” - a universal method for evaluating development impacts of energy interventions
- Great diversity among energy interventions in
 - scope
 - geographical extension
 - types
- and presumably also in impacts
- Difficulty of attribution of impacts solely to energy interventions – other factors affect end results
 - A “one-size-fits-all” assessment “tool” not conceivable

Other impact assessment activities apply “*Four-level causal chain*”

The full presentation is provided in a separate document which is attached .

4.2.2 The Fringilla Process

By Mrs L.Zulu Centre for Energy, Environment and Engineering

Summary

The presenter gave a brief background to the DEA process and went on to talk about the Fringilla process and its outcome. Among the issues that were brought out included the following:

- Objectives of the workshop
- From energy intervention to development impact
- 4-Step process
- 4-level causal diagram representing an energy intervention
- The common approach assessment framework
- A causal chain

The full presentation is provided in a separate document which is attached .

4.2.3 ‘Zambia and the Global Village Energy Partnership

By Mr. Charles Mulenga, Department of Energy, Ministry of Energy and Water Development

Summary

Representing the Government of the Republic of Zambia, the presenter covered the following:

- Energy in the PRSP – Latest Trends
- Proposals for EU/ACP Energy Facility
- Multi-Sector Collaboration
- GVEP Activities
- Need for Monitoring and Evaluation

Full details of the presentation are provided in Appendix F

4.3.4 ‘Case Study for Zambia’

By Mrs Lilian Zulu,. Centre for Energy, Environment and Engineering Zambia

Summary

The presenter explained that three energy interventions were identified at the start of the DEA project namely; Solar bakeries, Jatropha Processing and Energy Service Company (ESCO). For the Zambia case, the ESCO project was selected for a start.

As a background, the ESCOs the presenter explained that the large scale introduction of solar PV in Zambia was done in the Eastern province of Zambia towards the end of the 1990’s when the Energy Service Company (ESCO) project was started by the Department of Energy of the Republic of Zambia. The project received funding from the Swedish Development Cooperation Agency (SIDA). The focus of the project was to identify the conditions of for solar photovoltaic systems in rural areas, to locate prospective entrepreneurs and to help them get started. The case study covered the following:

- Brief background on Chipata Energy Service Company(CHESCO) and Nyimba Energy Service Company(NESCO)
- Fringilla performance of ESCOs
- Causal diagram
- Findings on impacts of ESCOs on business, households, peasant farmers, and institutions

The full presentation is provided in a separate document which is attached .

5.0 BRAINSTORMING EXERCISE

Participants were divided into two groups for the afternoon session where the following questions were considered in the brainstorming exercise:

1. To what extent can the current initiative be improved as a decision making tool?
2. How best can stakeholders work together to realize impact on development from energy interventions?
3. What additional information would have been useful?

Comments and contributions based on the questions

- There is need to disseminate information to stakeholders
- Involvement of government in the process
- Training of a core group in the department of energy on the DEA framework (how to use it as a decision making tool)
- There is need to provide working figures on the findings as much as possible in the indicators in the case study report.
- Need to include aspects such as HIV/AIDS, gender/equity, and good governance in the case study
- Need to present the findings of the case study to the relevant sub committee in parliament.
- Need for invitation of political figures to workshops
- Need to introduce feature articles in the print media on findings of the case study
- Categorisation and characterization of target groups in the case study, eg households-low income, medium or high
- Need to consider the stage of the intervention either it may be short term as it is just starting , period of operation etc
- Need to mention other service providers for sustainability purposes

6.0 CONCLUSIONS AND WAY FORWARD

To develop the report and the Assessment Framework and then distribute the information to stakeholders and thereby creating awareness.

Conclusions

Generally, the workshop was highly successful. Participants were very active and participated actively in the deliberations

7.0 Closing Remarks

Mrs L. Zulu of Centre for Energy Environment and Engineering thanked DEA organizers CEEEZ and all participants and officially called the meeting to a closure.

APPENDIX A WORKSHOP PROGRAMME

Chita Lodge, Lusaka 2nd November 2006

08:30-09:00	Registration
09:00-09:30	Introduction-status of DEA project-Sten Dieden
09:30-10:00	Energy and Development –national update (Director Dept. of Energy)
	<ul style="list-style-type: none"> ▪ Energy in the PRSP – Latest Trends ▪ Proposals for EU/ACP Energy Facility ▪ Multi-Sector Collaboration ▪ GVEP Activities ▪ Need for Monitoring and Evaluation
10:30-11:00	Tea/Coffee break
11:00-11:30	The Assessment Framework –Fringilla Process CEEEZ-Lilian Zulu
11:30-12: 30	National Case Study- CEEEZ – Lilian Zulu
13:30- 13:00	Discussion of National Case study
13:00-14:00	Lunch Break
14: 00- 15:00	Case studies in other 5 DEA countries - Sten Dieden
15:00-15:30	Coffee Break
15:30-16:00	Other case studies continued and discussion of the usefulness of the AF
16:00- 17:00	Conclusions, stakeholder views, improvement of the AF

APPENDIX B LIST OF ATTENDEES

NAME	ORGANISATION	TITLE	CONTACT INFORMATION	ORGANISATION'S ACTIVITIES
Mr A. A. Phiri	National Technology Business Centre	Manager Technology and Marketing	Tel. +260 1 222355, 222409 Fax: 222370 Email: aphiri@yahoo.co.uk	Technology transfer and diffusion, environmental impact assessment commercialisation and research and development items and new Greenfield projects
Mr Charles Mulenga	Department of Energy	Acting Assistant director	Tel: +260 1 254491/+ 260 1 251337 Mobile;+26097659818 Fax: +260 1 254491 Email: c/mulenga@zamnet.zm doe@zamnet.zm	Policy formulation and implementation
Mrs Kalobwe C Chansa	Small Enterprise Development Board(SEDDB)	Director of Projects	Tel: +260 1 222 176 Fax: +2601 222176 Cell: +260 95880312	SEDDB promotes and develops the small scale sector in the country
Mr G.P Mwanza	Ministry of Agriculture and Co-operatives	Chief Agricultural Mechanisation Specialist	Tel: +260 1 255346 Cell: +260 96 649955 Fax: +255 346 Email: gepmwanza@yahoo.com	
Ms Peggy Chiwele	Consults mde Dunchet Associates	Consultant Energy - Gender	+260 1 292 117 Cell: +260 97 199 265 Cell; pchiwele@yahoo.com	Providing consultancy –socila economic development in areas including energy, gender, waste management and sanitation, rural industries
Ms Carol Monde Mubita	Barotse land .Com	Operation Manager	+260 97415190 Fax: +260 7 221 539 Email: mondem2004@yahoo.com	Promoting the use of energy in rural communities of Western Province of Zambia
Mrs Hanzala Sibeso	Barotseland.com	Researcher	Cell: 260 1 97 415190 Fax: +260 7 221 539	Promoting the use of energy in rural communities of Western Province of Zambia

Mr Mulimba Michael Chintu	Chipata Energy Service Company (CHESCO)	Managing Director	Tel: 260 6 221 724 Cell: 097 481212 or 095990663	Energy Service through Provision of Solar PV
Dr Sten Dieden	UNEP RISO	Researcher	Tel: +45 46 775188 Mobile: +45 2097 8884 Email: sten.dieden@risoe.dh	Research on Energy, Climate Change and sustainable development
Mr Kenneth Chelemu	International Development Enterprise	Deputy Country Director-programmes	Tel: 260 1 239001/ 232620 Cell: chelemuk@idezambia.org.za	Promotion of small holder irrigation using low cost technologies for increased income and poverty reduction
Mr H. Walimwipi	CEEEZ	Projects Engineer	P/Bag E721, Lusaka. Tel: +260-1-243619 Fax: +260-1-240267 Email: ceeez@coppernet.zm / yamba@eng.unza.zm	Studies and consultancy in energy, environment and engineering
Mrs L. Zulu	CEEEZ	Projects Engineer	P/Bag E721, Lusaka. Tel: +260-1-243619 Fax: +260-1-240267 Email: ceeez@coppernet.zm / yamba@eng.unza.zm	Studies and consultancy in energy, environment and engineering