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Presentation Outline

- **Background of Laos PDR**
- **What is LIRE? Its Mission & Activities**
- **Recall what discussed in the last partner meeting**
- **Achievements**
- **Obstacles encountered by Project & by LIRE**
- **Solutions to tackle obstacles**



1. Introducing Lao PDR

- Low population density (6.3 million)
- Mountainous
- Ethnically diverse
- Poor – Least Developed Country
- Socialist government
- Highly dependent on foreign investment/aid
- Strong economic growth and energy demand



2. What is LIRE?

- A platform for research and development
- Young institute for applied research
 - Lao non-profit association of members, set up in 2006
 - Part of LUSEA (under Prime Minister's office)
 - No base funding
 - Own programs and on-demand research (for NGOs, private sector, government)
 - Fully authorized to work in the Lao PDR
- Lao and foreign experts



3 LIRE's Mission

Objective: A viable renewable energy sector in Laos

Through:

- Training and local capacity building
- Research and implementation
 - Research and development at the pre-commercial stage
 - Identifying market opportunities
 - appropriate renewable energy technologies in the Lao context
 - sustainable implementation models and service packages
- Providing a local platform for all stakeholders involved
 - Knowledge exchange network
 - Technical advice
 - Feasibility studies
 - Monitoring and evaluation
- Policy support and development



4. LIRE's Activities

- Biofuels (Jatropha)
- Biomass (Gasification, Biogas)
- Small- and Pico-hydropower
- Solar powered water purification
- Decentralised waste water treatment



5. Recall what discussed last time in Tanzania about Pico Hydropower

- Name: Pico Hydropower Innovations and Capacity Building
- Phase I (6 months)
 - Field work in target province
 - Users
 - Shopkeepers
 - Determine most effective intervention strategy
 - Capacity building of LIRE (involving students)
- Phase II (1.5 years)
 - Roll out program in other target areas in Laos
 - Replicate methodology for other technologies



6. Achievement

- Phase I accomplished
- LIRE-ETC team mobilized
- Phase II on going activities
- Four Intervention Strategies: Manual, ELC, Workshops for Shop owners & TAs
- Establish good relationship with local govt
- Still Xieng Khuang and other two northern province



7. Obstacles encountered by LIRE-ETC project

- ❑ Variety of quality and types of installation
- ❑ Not much access due to internal capacity building within LIRE-ETC project
- ❑ Threat of grid extension
- ❑ Some shop owners do not speak Lao
- ❑ Difficulties to change local people's attitudes and behaviors



8. Obstacles encountered by LIRE

- No base funding
- Imbalance between project work and consulting work
- Imbalance between acquisition and running the project
- Unclear structure and mandate of the government (provincial and national levels)



9. Solution to tackle project obstacles

- Keep close coordination and cooperation with local authority
- Recruitment of new team member
- Hiring translator
- Promote more sharing
- Joint cooperation with other project – demo site of shared pico system
- Further cooperation with the Faculty of Engineering on R&D



10. Solution to tackle LIRE's obstacle

- Pursue more funding – project & consultancy
- Improve working efficiency & productivity – recruit more qualified people
- Keep in touch with govt & obtain update information

