



Flat plate Collector system already installed

Solar water heating training unit at Ramogi Institute Of Advanced Technology (Riat)- Kisumu

The Low Emission and Climate Resilient Development (LECRD) Project

Newsletter Issue #4
April 2017

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Monitoring Of Ten (10) Beneficiary Technical Training Institutes

The LECRD project in collaboration with the Jomo Kenyatta University of Agriculture and Technology (JKUAT) developed capacity of ten (10) select Technical Training Institutes (TTIs) across the country on both Solar Photovoltaic (PV) and water heating. Capacity development was evidenced through Training of Trainers (ToT) and in the procurement and distribution of solar training kits in both solar PV and water heating. These (10) ten select beneficiary institutions included Ramogi Institute of Advance Technology in Kisumu, Sigalagala Technical Training Institute in Kakamega, Kaiboi Technical Training Institute in Eldoret, Kenya Industrial Training Institute in Nakuru, Michuki Technical Training Institute in Muranga, Jeremiah Nyaga Technical Training Institute in Embu, North Eastern National Polytechnic in Garissa, Wote Technical Training Institute in Makueni, Kenya Coast National Polytechnic and Nairobi Technical Training Institute.

A monitoring exercise of the 10 select TTIs conducted by the LECRD project and JKUAT followed the premise of an agreement that was entered into by the Principal Secretary State Department of Environment and the Principals of the 10 beneficiary TTIs that stand alone courses on both Solar PV and Solar water heating would be developed in the institutions six months after (i.e. 31st March, 2017) their capacity had been developed. The monitoring exercise held in April 2017 therefore aimed at assessing the compliance of the beneficiary TTIs in accordance with this agreement.

The data collection methods used in the monitoring exercise included the use of

questionnaires, unstructured interviews and observations to assess the extent of compliance to the agreement. The findings of the exercise revealed that all the ten institutes had set aside a solar laboratory for training purposes with nine (9) institutes having installed the solar water heating system. Only Sigalagala Technical Training Institute had already rolled out a short course on Solar Water Heating with three ongoing students (2 women and 1 man) while the rest were set to commence in May 2017. All the institutes had employed commendable marketing strategies to advertise the short courses which included newspaper, brochures, word of mouth, partnerships with county governments as well as reaching out to the practicing electricians and contractors by developing their database and contacting them through use of SMS service. It was observed that a short course on Solar PV was already ongoing in most TTIs having been started earlier with the equipment donated by LECRD project boosting practical lessons for the course and as a multiplier effect benefiting the Electrical Department students where solar is integrated in the syllabus. The Solar Water heating equipment on the other hand is also a great boost to the plumbing course under Building and Construction Department.

To ensure sustainability, the 10 TTIs are mentoring other technical institutes as part of the Kenya Government strategy to boost tertiary education and in this regard the beneficiaries are expected to extend the scope of training on both solar PV and solar water heating to the mentees. Additionally, a learning platform for sharing experiences within the ten training institutes will be developed.

1. Monitoring Of Ten (10) Beneficiary Technical Training Institutes (TTIs)
2. Sustainable Operational Business Model for Clean Energy Business Information Centres (CEBICs)
3. GreenHouse Gas (GHG) Inventory Meeting between the GHG Consultant, Sector Working Groups and the Climate Change Directorate

About The Project

The LECRD Project is funded by USAID through UNDP, and implemented by The Ministry of Environment and Natural Resources; it aims to contribute to Kenya's overall goal in achieving transformative development, accelerating sustainable climate resilient economic growth while slowing down Greenhouse Gas emissions. The Project contributes towards the implementation of National Climate Change Action Plan (NCCAP 2013 – 2017), with the goal of enhancing low carbon resilient development in Kenya.

Sustainable Operational Business Model for Clean Energy Business Information Centres (CEBICs)



Lesidai community members together with ALIN, UoN and LECRD team inspecting the clean energy construction site

The Low Emission Climate Resilient Development (LECRD) project identified access to information and creation of business opportunities for communities especially in the arid and semi-arid areas as a key element in spurring the establishment of sustainable ventures for community empowerment. This is the trigger behind the concept of establishing Clean Energy Business and Information Centers (CEBICs) in ASALs. This work also builds on several models developed by the government through initiatives by the Ministry of Energy and Petroleum (MoEP) that has 15 energy centres and other initiatives including MENR, UNIDO and UNDP. The proposed centers will act as a hub for disseminating strategic information to communities within the target areas and well as providing a platform for technical solutions and business opportunities.

It is against this backdrop the LECRD project in collaboration with arid lands information network (ALIN) embarked on a mission on November, 2015 to do an assessment to identify sites to set up the CEBICs. The assessment (using an assessment criteria developed by both the LECRD & ALIN teams) was done through site visits and holding strategic meeting with stakeholders on the ground including county representatives, local communities, private sector and peer organizations. Based on these criteria, the team narrowed down to visit existing centers and potential locations in Samburu County-Lesidai, Marsabit County- Korr, Kwale County and Bangale in Tana River County. An assessment report was then shared with the LECRD team.

A center assessment report was presented to stakeholders during a validation meeting held in February 2016. The report gave important details on the centers in which the Korr and Lesidai centres were selected as the BIC sites to be supported. The Korr centre would require refurbishment while that at Lesidai would be constructed. Several aspects came to light during the assessment of the various centres mentioned above, Korr and Lesidai had several footage as the centres attracted partnership with the county governments whose initial role will include community mobilization and popularizing of the center's activities. Lesidai centre specifically attracted a lot of good will as; the community was willing to avail over 3 acres piece of land for this initiative in Loosuk. Due to cost implications, however, the LECRD Project will support construction and operationalization of the Lesidai Centre, the GOK through the Ministry of Environment and Natural Resources intends to take up refurbishment of the KORR Centre.

Several activities have been undertaken to this date, including Equipping of centres, awareness creation and operationalization (i.e. land allocation by community and the County Government of Samburu had been done and the building plans have been developed and approved by the Ministry of Public Works). In March, 2017 an inception workshop was held to present the Inception Report on Sustainable Operational Business Model for Clean Energy Business Information Centres (CEBICs) by a consultant engaged by The Project. From the report an approach was developed from the background of the CEBICs (e.g., lack of reliable energy services to power information delivery channels) and a proposed methodology to be adopted for Sustainable Operational Business Model for the CEBICs proposed. During the workshop the team from University of Nairobi (UoN) presented the building design (housing layout and orientation) and landscape design for the Centre, noting that the tender to the construction company had already been awarded.

LEARN MORE ABOUT THE LECRD PROJECT

The Low Emission and Climate Resilient Development (LECRD) Project

Contributing Towards Enhancing Kenya's Low Emission and Climate Resilient Development

PROJECT OBJECTIVES

1. To strengthen capacity for low emission development in Kenya.
2. To build national and county institutions' capacity to better coordinate climate change activities and finances.
3. To enhance decision making for increased resilience to climate change impacts.
4. To promote climate smart technologies and business

KEY RESULT AREAS

1. National Climate Change Coordination Processes Strengthened
2. Access to Clean and Efficient Energy Systems Enhanced
3. A National Greenhouse Gas Inventory Established.
4. National and County Decision Making Tools for Climate Change Interventions Improved.
5. Climate Knowledge Management and Capacity Enhanced.
6. Impacts of Extreme Climate Events Minimized for Improved and Resilient Livelihoods.

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LECRD PROJECT NEWSLETTER

Stakeholder representation from the Central Rift County cluster during the climate finance workshop on climate expenditure budget review (CFEBR) and budget codes in Lake Elementaita, Lodhi, Nakuru.

Climate Finance Capacity Building Workshops

The LECRD project in conjunction with the UNDP/DFID funded UN Joint Programme on Climate Change supported Climate Public Expenditure and Budget Review (CFEBR) capacity building workshops participants understanding on key climate finance issues. Participants were sensitized on the draft climate finance policy and tracking climate finance through coding under the Integrated Financial Management Information

Low Emission and Climate Resilient Development (LECRD) Project

Newsletter Issue #1
November 2016

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ABOUT THE LECRD PROJECT

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Submit your Email to lecrdke@gmail.com / lecrd@environment.go.ke

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After the inception workshop a team comprising consulting architects, engineers and quantity surveyors drawn from the University of Nairobi's School of Architecture and Building Sciences, LECRD project and ALIN officers did Reconnaissance field visit for the development of an institutional

Architecture and operational frame work for CEBIC in April 2017 with the following objectives:

- ALIN to develop a business plan for the centre after interviewing the Lesidai CEBIC committee and County Government officials
- Hand over the architectural plans to the contractor. The Lesidai CEBIC committee to witness the handing over process
- Interview the county officials with a view to determine the key county departmental office to sustainably manage the centre after its completion
- To familiarize the contractor with the construction site

From the visit the following recommendations were given;

- I. The team consulted and agreed to have the Centre domiciled under Tourism, Trade and Cooperatives department. The department's goals are congruent with the Centre's objectives hence it is well placed to sustainably manage the Centre
- II. It was further agreed that the Principal Secretary for State Department of Environment will write an official letter to the County Secretary to inform of the plans of the State Department of Environment to hand over the facility to the County Government

Further the County Government will allocate funding as well as post both technical and administrative staff to the facility. The County Government allocates funds to support established community committees.

GreenHouse Gas (GHG) Inventory Meeting between the GHG Consultant, Sector Working Groups and the Climate Change Directorate

A stakeholder meeting was held at the National Climate Change Resource centre on April 2017 on the progress of Kenya's GHG Inventory process. In line with Outcome 3 of the Low Emission and Climate Resilient Development (LECRD) project that aims to ensure a national sustainable Greenhouse Gas Inventory is in place. To achieve this Thematic Working Groups (TWG), comprising of professionals and technical experts have been formed to work closely with the GHG consultant in this assignment. The meeting aimed to achieve the following objectives; review preliminary results of the GHG Inventory for the Biennial Update Report (BUR) and the Third National Communication (TNC), review and test the online GHG database management system and to initiate the review of the zero draft GHG report. There was representation from the Climate Change Directorate, Kenya Forestry Service, National Environment Management Authority, Ministry of Environment and Natural Resources and Ministry of Agriculture Livestock and Fisheries.

The consultant briefed the CCD and sector group members on the progress on the GHG Inventory giving preliminary results across the Energy, AFOLU, Waste and IPPU sectors. He also highlighted on the GHG database management system infrastructure and functionalities. Recommendations coming out of the meeting touched on close working relationship with sector leads to ensure that the right data is used across sectors, use of available sector specific data to strengthen the inventory and the need for data sharing across all sectors as well as training on the database management system. The zero draft of the GHG report would be shared with all stakeholders to firm it up and address the data gaps that were highlighted.

It was agreed that that the CCD would facilitate for official communication to be made to the sector leads and that the GHG database management system should be optimized for use on phones and tablets to enhance its usability.

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