FEED-IN TARIFF (FIT)
Objective

A consultancy project has been conducted by Lahmeyer International (LI) in order to assist Egyptian Electric Utility and Consumer Protection Regulatory Agency (EgyptERA) in the design of a feed-in tariff system for small-to medium scale wind farms (below 50 MW), through a five-action project.
During these actions techno-economical models for wind power as well as solar were developed to cover specific design aspects of feed-in tariffs.

Within the actions of the project the following deliverables were developed:
1. Report and User Manual for the Model
2. Software models for simulation of feed-in tariffs for wind
3. Software models for the simulation of feed-in tariffs for PV
4. Software model for the simulation of feed-in tariffs for CSP
5. A draft PPA / contractual relationship template for wind power in Egypt.

Finally, an indicative tariff has been developed.
Outcomes

- Training for EETC and NREA participants during the term of the project

- In 2011, EgyptERA conducted a workshop for training 13 of the Arab countries, in cooperation with RCREEE

- In 2012, EgyptERA conducted another workshop for training 19 participants of the Arab countries in cooperation with RCREEE and LAS
THIRD PARTY ACCESS CONTRACTS (TPA)
Objective of consultancy service

To assist EgyptERA

• drafting contracts between market participants while exercising *Third Party Access* rights.
• developing contracts for “Non-continuous Supply”

This was done considering the regulated and competitive market in the first phase of the market evolution, as well as a fully competitive market in later phase.
Output

- Connection Contracts
- Network Access Contract
- Balancing Group Contract
- Back-Up (Non-Continuous) Supply Contract
GUARANTEE OF ORIGIN (GoO) CERTIFICATES
Objective

EgyptERA has requested a project to provide support regarding background information, long-term international experiences and training access to information technology which is needed to administrate Guarantee of Origin (GoO) system.

A consortium consisting of E-Bridge Consulting GmbH and Grexel System Ltd has been selected to carry on this project.
The project covers the following topics:

General information:
Description of the European energy certification system - Description of certification systems - Overview about financial and physical flows in disclosure model

Regulatory Outline:
Guarantee of origin - Electricity disclosure

Issuing Body:
IB Business Process - EU contracts templates
AIB

Registry System

Next steps following this project
Outcome

During the last mission, a one full day stakeholder workshop was held where participants from industry, tourism, and public authorities have attended in order to give feedback on the applicability of the GoO System in the Egyptian market.

By the end of the workshop, it was clear that GoO certificates represents a win-win mechanism for the development of RE market in Egypt, as well as the benefit of the stakeholders.
The GoO certificates were also presented in the International Tourism Day on the 27th of September 2012, which was held in El-Azhar Park in presence of the Minister of Tourism.

Tourism people show interest in the GoO certificates and asked for more details (benefits, mechanism, requirements).

Furthermore, the GoO certificated were presented in the workshop for training 19 participants of the Arab countries in cooperation with RCREEE and LAS.
CAPACITY CREDIT ANALYSIS
Objective

To evaluate the capacity credit of wind generation in Egypt and thus its impact on the system’s needed reserve margin.

Design/implement a workable capacity credit methodology that includes high share of wind generation as well as the foreseen generation mix technologies in the Egyptian system.
A ToR has been proposed by EgyptERA to GiZ who in turn got in contact with Mr. Flavio Fernández, consultant from DigSilent, to carry out the project.

Finally, it was agreed to the following schedule:

Tasks 1 & 2: First mission is already scheduled for the week of December 3rd.

Task 3: to be carried out in the period Jan to March 2013.

Task 4: Second mission to Egypt in April 2013

Task 5: Third mission to Egypt in May 2013.
INTEGRATED RESOURCE PLANNING (IRP)
EgyptERA aims to build the capacity within its planning department to be able to use integrated resource planning approach for the utilization of available energy resources - including renewables – with consideration for environmental aspects.

In other words, to develop a sustainable electricity investment strategy for generation capacity and supporting infrastructure for the country over the next short- and long-term plans.
DEVELOPING RE MARKET
This project aims at creating demand on RE

It will explore the potential of two mechanisms:

- Volunteer approach (GoO and incentives)
- Regulatory Approach (considering RE quota based on the residual mix and defined criteria).

- Define target sectors and potential added value for RE and survey sectors potentials.
- Propose incentives to stimulate demand on RE
- Virtual Export of RE and swapping RE with NG
- EgyptERA as IB for GoO and Harmonization with AIB