Institute for Renewable Energy

OFFER Institute for Renewable Energy

Technical and economic due diligence of RES projects: solar photovoltaic, biogas and wind energy in the auction system

RES auctions have been introduced by RES Act of 20. February 2015. It is a new model of green energy support. After the actions carried out in 2016 - 2017 new installations will increase to 400 MW. By 2020 there will be an increase of 4000 MW of new installations (by Regulatory Impact Assessment).

Institute for Renewable Energy (IEO) offers complete analysis of projects before and after auctions system:

- *Projects before auctions system have complete construction documentations, with valid building permits and grid connection conditions.*
- *Winners projects of the RES auctions system are ready to build with a guaranteed price of energy for 15 years.*

SCOPE OF ANALYSIS
PROJECTS BEFORE AUCTIONS SYSTEM:

- checking of the owner of project (development company)
- checking agreements for the land
- analysis of environmental decisions
- analysis of building conditions and master plan
- analysis of building permit
- assessment of connection conditions
- financial analysis of the project in terms of the chances of winning the auction
- project audit in the field (optional)
- contact with the developer
- contact with the public administrations
- economic and technical feasibility study of the project

WINNERS PROJECTS OF THE RES AUCTIONS:

- checking of the owner of project (development company)
- analysis of the obligation to deliver energy for a period of 15 years and fulfillment of the terms of the contract for the delivery of energy in the required 3-year periods
- technical risk analysis
- location risk analysis (public protests)
- financial risk analysis
- economic and technical feasibility study of the project
- assessment of the value of the project

Institute for Renewable Energy Ltd (IEO)

EC BREC Institute for Renewable Energy Ltd (IEO) is an independent consultancy company and think tank, started in 2001 and owned by experts employed so far by the EC Baltic Renewable Energy Centre (EC BREC, public research organisation established by the European Commission in 1994). The company was established to link the typical research, technology and policy development activities that had been carried out by the EC BREC, with the current needs of renewable energy sector, including industry, private companies, investors and authorities in Poland in the area of renewable energy. The specific focus is dedicated to renewable electricity (wind, biogas) and small scale RES applications (solar thermal and photovoltaics).

IEO is 100% private owned, where the main shareholder is Mr Grzegorz Wisniewski - president of IEO. In October 2015, he was appointed to the National Development Council by the Polish President.

Extract of experience:

- *Wento – "Due diligence of the photovoltaic panels market and heating installations from RES for business customers".*
- *STEAG– "Forecasts electricity prices until 2030".*
- *COMSA - Technical evaluation (due diligence) of the wind energy portfolio (23 projects of total capacity 800MW, in different stages of preparation) documentation offered for sale.*
- *CEZ - Framework contract for the technical advisory and technical risk assessment by acquisition of bioenergy and wind projects in Poland by largest Tschech Utility CEZ. 7 wind farm projects of capacity from 20 to 240 MW and different stages of development (from greenfield to fully permitted projects) assessed already. Cooperation in financial risk assessment (i.e. with ING Securities).*
- *PGE Energia Odnawialna: "Performance analysis of substantive, technical and economic viability of the project to purchase biogas plant with a capacity of 1 MW in Orchówek (Wlodawa)" - Feasibility study of a biogas plant with a capacity of 1 MWe. It contains a detailed technical, technological and economic analysis.*
- *EU Agrobiogas (UE) „European biogas initiative to improve the yield of agricultural biogas plants".*
- *Madegascar (UE) „Market development of gas driven cars including supply and distribution of natural gas and biogas".*

More experience find here.