

Terms of Reference Energy Audits

Following the approval of Cabinet, the Bahrain's Sustainable Energy Centre (SEC) was established in November 2014 as a joint initiative between the office of the Minister of Electricity and Water Authority and UNDP. The key objectives of the Unit is to develop a cohesive and sustainable energy policy and to promote Renewable Energy and Energy Efficiency in the country. The Unit will also work towards bridging the legal, institutional, and capacity gaps in order for the Bahrain energy sector to meet the future challenges.

SEC is the entity mandated to lead and promote energy efficiency practices, transfer and diffuse renewable energy technologies and draft related policies and regulatory frameworks in close coordination with stakeholders and partners in the Kingdom of Bahrain. In October 2016 SEC finalized the development of the National Energy Efficiency Energy Action Plan (NEEAP) and the National Renewable Energy Action Plan (NREAP), which set the targets for the countries and define policies and other initiatives to meet the targets. The plans were endorsed by the Cabinet in January 2017.

SEC is seeking to procure the services of companies specialized in the field of designing and implementing energy efficiency solutions. SEC is specifically seeking companies with experience and expertise in implementing Energy Management System and conducting energy audits. The scope of work will include conducting energy audits and proposing/designing energy efficiency solutions for various facilities and structures in the Kingdom of Bahrain, including, but not limited to:

- Government Buildings (schools, hospitals, municipal buildings);
- Sewage pumping networks;
- Industrial facilities;
- Commercial buildings (malls, hotels).

Qualified companies are invited to submit their quotations for conducting the following services:

Energy Management and Energy Audits:

1. Walk-through Energy Audits and preliminary analysis
2. Consultancy services for detailed Energy Audits to ISO 50002:2014 and other relevant international standards including energy usage patterns, identifying and



quantifying areas of energy loss down to room and/or major high-load electrical equipment level, energy balance assessments etc;

3. Consultancy services for review of Energy Management System procedures according to ISO 50001 and other relevant international standards;
4. Recommendations for energy efficiency improvements, including cost-benefit and Return on Investment analysis;
5. Providing trainings and presentations on energy efficiency and implementation of energy management systems.
6. Providing expert advice on the feasibility of proposed energy efficiency solutions.
7. Providing expert advice on other matters related to introduction and implementation of Energy Management Systems (e.g. recommendations for monitoring equipment, procedural tools etc).

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