

**Request for Proposal for Investment Grade (Detailed) Energy Assessment  
Energy Efficiency Engagement (3e)**

**Background:**

The Nordic Chamber of Commerce and Industry in Bangladesh (NCCI) signed an agreement with the Danish International Development Agency (DANIDA) to implement the “Energy Efficiency Engagement (3e)” in Bangladesh. In this context, NCCI would like to conduct Investment Grade (Detailed) Energy Assessment of 12 industrial facilities in and around Dhaka during the period of July – December 2017.

**Objective:**

The objective is to conduct a comprehensive Investment Grade (Detailed) Energy Assessment at Industrial Facilities to identify potential Energy Conservation Measures (ECM), projected savings of each ECM, cost of implementation, NPV, IRR and potential carbon emissions reduction or savings.

**Preliminary Scope of Work:**

- Review historical energy consumption at the Facility
- Conduct Investment Grade (Detailed) Energy Assessment to identify feasible energy improvements and propose Energy Conservation Measures as well as technical and non-technical solutions to be implemented at the Facility
- Detailed projections of energy, cost and GHG savings to be obtained at the Facility(s) as a result of the recommended Energy Conservation Measures (ECMs).
- Preparation of assessment report containing the summary of potential savings, investment required, payback periods and ECMs, and revision of report when required
- Use the NCCI standardised report template for preparing report
- Follow up meeting with the assessed facilities

**Please take note of the following requirements and conditions pertaining to the delivery of the above-mentioned services:**

Documentations and instructions shall be in language	English
Documents to be Submitted (No need to send the documents through email or hardcopy)	<ul style="list-style-type: none"> <li>- Financial proposal for 1 IG assessment, timeline, personnel</li> <li>- Technical Proposal</li> <li>- Company Profile</li> </ul> <p>The proposals should be submitted to the following link (<a href="https://podio.com/webforms/13763275/928117">https://podio.com/webforms/13763275/928117</a>)</p> <ul style="list-style-type: none"> <li>- Completed Vendor Registration Online Form for submitting VAT Registration, TIN, Trade License using the link (<a href="https://podio.com/webforms/11995241/827760">https://podio.com/webforms/11995241/827760</a>)</li> </ul>
Period of Validity of Quotes	30 Days
Partial Quotes	Not permitted
Evaluation Criteria	<ul style="list-style-type: none"> <li>- Technical responsiveness</li> <li>- Relevant Experience</li> <li>- Full compliance to requirements &amp; competitive price</li> <li>- Acceptance of PO/WO and general terms and conditions of the contract</li> </ul>
Award	Multiple Service Provider
Type of Contract to be signed	Service Agreement and PO
Condition for Release of Payment	Approval of Invoice of Services Rendered

## **Minimum qualifications of Service Providers:**

1. Free from conflicts of interest arising from financial or other relationships with potential suppliers, constructors, financiers, or owners of related projects or products
2. Extensive experience in conducting energy efficiency assessments and the successful analysis and development of energy efficiency measures; including savings calculations, project costing, strategic planning, design specification and energy management
3. Experience working with Industries in regard to energy efficiency programs
4. Ability to provide timely, effective communication and support to NCCI
5. Willingness to sign agreement with NCCI (re: scope of work, confidentiality and payment) and with the participating company facility (re: confidentiality and limitation of liability)

NCCI intends to use the responses to this RFP to assist in the possible selection of one or more firms for conducting Investment Grade (Detailed) Energy Assessment. NCCI will evaluate each Firm based on the information set forth in the Response submitted, together with other information available to the Chamber from any other sources. NCCI will, at its own discretion, select one or more Firms after receipt of Responses and also reserves the right to not select any Firm. NCCI may also request that one or more Firms participate in an interview process or may implement a combination of these and/or other methods for selection. This RFP is solely a solicitation for Responses. Neither this RFQ, nor any Response to this RFP shall be deemed or construed to:

- i. Create any contractual relationship between NCCI and any firm
- ii. Create any obligation for NCCI to enter into a contract with any Firm or other party
- iii. Serve as the basis for a claim for reimbursement for costs associated with submittal of any Response

NCCI shall have the right to negotiate any and all of the final terms and conditions of any agreement with the Firm and nothing in this RFQ or any Response shall be deemed or construed as a limitation of such rights.

## **Reporting and timeline:**

- Deadline for Request for Information (RFI): June 15, 2017 before 5:00 PM
- Submission of Proposal: June 22, 2017 before 5:00 PM
- Contract Award: July 01 and afterwards, 2017
- Contact Person for Queries:

Israt Jahan  
Admin & Finance Officer  
Energy Efficiency Secretariat  
Nordic Chamber of Commerce and Industry in Bangladesh  
(NCCI) c/o Maersk Bangladesh Ltd.  
Plot – 76/A (4th Floor), Road 11, Block M, Banani, Dhaka–1213.  
Mob: +880 177 7700 753  
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## **Scope of Investment Grade (Detailed) Energy Assessment**

The scope of Investment Grade (Detailed) Energy Assessment will broadly cover the following topics:

### **Energy efficiency**

- Production process
- Support systems (including e.g. compressed air, steam system, dust removal, motors, etc.)
- Buildings envelope (including e.g. heating/cooling, lighting, insulation, ventilation, etc.)
- Opportunities for co- and tri-generation of electricity (i.e. CHP or CCHP plant)
- Energy Conservation Measures (ECM) opportunities & behaviours
- Others (e.g. heat recovery)

### **Renewable energy increase (if applicable)**

- Opportunities for power and heat generation
- Opportunities in changing of fuels into renewable options
- Proposed technologies, based on factory and local conditions
- Available applicable subsidies

### **Develop list of Potential Energy Conservation Measures (ECMs)**

Identify and propose ECMs for implementation at the company leading to potential reduced energy use. Each ECM should include:

- Image of the machine/installation/system in question
- Yearly savings in appropriate source fuel (i.e. kWh, NG, CNG, Furnace oil or Diesel), tCO<sub>2</sub> (calculated from source fuel conversion factor), and monetary value in USD/BDT
- Description of the issue and the solution/improvement including a picture or schematic to support understanding
- Investment cost (incl. source...pages such as Alibaba/Google etc. not eligible)
- Detailed calculation of the energy savings and payback period (In years), NPV, IRR
- Proposed technology/equipment should be described in maximum generic technology terms or with requirements i.e. it should be clear what specific technology is proposed for implementation
- Specify in detailed manner the operations and maintenance procedures which will be affected by the installation/implementation of the proposed ECMs
- Necessary support information and calculations provided in appendix
- If available: Details on available subsidies in the country relevant for the recommendation

NB: For all proposed ECMs, comply with all applicable laws, rules and regulations in effect at the time of this analysis.