

A Call for Tender

Required Equipment: Real Time Digital Simulator

Date: February 12, 2019.

Project Title: Smart Grid Technology - A Master Programme

Programme: Erasmus+

Project Acronym: SGT-MaP.

Project Number: 574219-EPP-1-2016-1-UK-EPPKA2-CBHE-JP.

Alexandria University is in the process of purchasing a scientific equipment to be used in the laboratories of the Faculty of Engineering at Alexandria University for the SGT-MaP project implementation. The required equipment, specifications, and bidding conditions are available at the procurement department of the Faculty of Engineering - Alexandria University.

If you are interested to participate in this tendering, kindly provide your offer **according to the following terms and conditions:**

- 1) The supply shall be within ten weeks from the day following receipt of the order of supply.
- 2) Delivery and handling is at the port of arrival.
- 3) The price must be inclusive of sea or air freight charges and discharge expenses of the ship or aircraft and shall include the value of insurance in case of CIF or the port of arrival.
- 4) The price is not inclusive of any tax or customs duties.
- 5) Payment shall be made after inspection and receipt, and 5% of the price shall be paid only after the expiry of the warranty period.
- 6) The warranty period for the supplied items is not less than one year.
- 7) Price includes supply, installation, operation and training on use.
- 8) Technical bids shall be evaluated on the basis of their compliance with all technical specifications and conditions.
- 9) Financial bids shall be evaluated on the basis of acceptance of the lowest bid and technically acceptable.
- 10) The contract shall be terminated if the contractor violates any of its clauses after notifying the contractor of this by express mail, without prejudice to the right of the university to return to the contractor any compensation for any damage resulting from such breach.

The following documents must be attached to the technical offers:

- i) The duration of the offer.
- ii) The warranty period.
- iii) All technical data about the offer.

- iv) Sources of the provided device.
- v) Catalogs of the required items.
- vi) Terms and conditions signed and stamped by the bidder.
- vii) Addresses of approved maintenance centers and maintenance value after expiry of the warranty period.

In addition to the following for local companies:

- viii) Photocopy of the tax card.
- ix) Photocopy of the Commercial Register.
- x) VAT registration certificate.

In addition to the following for foreign companies:

- xi) Certificate of incorporation, or documents evidencing its legal status.
- xii) The last tax certificate.

The deadline for quotations is Monday, February 25, 2019 at 1:00 PM.

Technical Specifications

The Real Time Digital Simulator shall include the following:

- **Hardware**
 - Intel Xeon CPU - 4 cores - 3.5 GHz, Xilinx FPGA Kintex-7 325T
- **Software**
 - Linux OS with Real-Time Kernel
 - Intel C++ Compiler
 - Latest RT-LAB Host/Workstation License - Professional
 - Latest RT-LAB Real-Time Target License - B Series (ALL RT CORES ACTIVATED)
 - Allow to run SimPowerSystem models
 - eMEGASIM - RT-LAB real-time target license - FX series (one target license)
- **Inputs/Outputs**
 - Analog outputs: 16 channels, 16 bits
 - Analog input: 16 channels, 16 bits
 - Digital output: 32 channels, as follows:
 - 16 PWM frequency or time-stamped digital outputs
 - 16 static digital outputs
 - Digital input: 32 channels, as follows:
 - 16 PWM frequency or time-stamped digital inputs
 - 16 static digital inputs

Controller interface with 2 (two) Texas Instrument TMDSDOCK28335 controller, including complete board interface and cables to connect to Simulator.

Procurement Department ; Faculty of Engineering; Alexandria University
Alexandria, Elhadara, P.O box 21544; Tel: +(203)5910052.

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