



Project co-financed by the European Regional Development Fund under the Innovative Economy Operational Program

Krakow, 28/01/2015

REQUEST FOR QUOTATION NO. PLCRC/2830700/06/194/2015_1

I) Buyer information:

ABB Sp. z o.o.
1 Zeganska St.
04-713 Warsaw
VAT PL526-030-44-84
Tel. +48 12 42 44 100
Fax. +48 12 42 44 101

II) Description of work / services / item requirements: quick prototyping system - real-time power electronics emulator for HIL systems, according to the following specification:

1. Specification:

Emulator specialized in power electronics HIL (hardware in the loop) simulations

Emulator parameters:

- Number of channels:
 - at least 16 x Analog inputs (AI) +/-5V, 12bit ADC,
 - at least 32 x Analog outputs (AO) +/-5V, 12bit DAC,
 - at least 32 x Digital inputs (DI),
 - at least 32 x Digital outputs (DO),
 - PWM signals time maximal resolution 20ns,
 - emulation with maximal 2 MHz update frequency,
 - equipped with Ethernet interface,
 - equipped with the system for automatic calibration of the analog I/Os of the emulator,
- Emulator should be equipped with graphical schematic editor for preparation of the models,
- Software should enable visualization of the model variables in the PC computer,
- Software should enable scripting to automate the simulation process,
- Permanent licence,
- Emulator should be equipped with DSP interface board which can operate with up to three TI C2000 processors,
- 24-month warranty

2. The Buyer does not accept partial bids.

3. The bid shall include:

- Net unit price for the device (EUR or PL),
- Annual support and software maintenance,
- Transport, insurance and customs, if applicable cost included
- Training cost included,
- Information regarding local support,
- Information regarding required technical periodic reviews
- The validity start and end date of the offer,
- Information regarding installation and and start-up,
- Payment terms – first Wednesday after 45 days from invoice receipt,

Headquarter of the Company
1 Zęgańska Street
04-713 Warszawa, Poland
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NIP / tax identity no.
526-030-44-84, PL 5260304484
Environmental Protection No: GIOŚ E0008536WBW
Share capital: 350.655.734,00PLN
Internet address: www.abb.pl

District Court for the Capital City
of Warsaw, XIII Economic Department,
Polish Court Register under the
KRS No. 0000004745



- Tender name and address,
- Date of bid submission.

4. All conditions for the implementation of the contract including more specific conditions e.g. payment terms and delivery terms have been set out in the attached outline agreement. The Buyer does not allow any changes attached outline agreement.

5. The Buyer may reject the bid if:

- The bid is delivered after submission date,
- The content of the bid is not consistent with the description,
- The bid contains an abnormally low price,
- Other reasons

6. Statements and documents:

- Up-to-date registration confirming document/s, issued not earlier than 3 months before the deadline for submission of the bid,
- Attorney to sign documents (bids, agreements),
- Testimony of current and covering the period of implementation of the object of the contract liability insurance policy, or other types of insurance depending on the service,
- Statement that the supplier is not in arrears with the payment of taxes, fees and premiums for health or social insurance - issued not earlier than 2 months before the deadline for submission of the bid,
- Documented financial ability to complete the task.

In order to determine the economic and financial situation of the supplier, current financial statements needs to be delivered.

7. Bid validity

The bid shall be valid minimum until **1st of March 2015**.

8. Bids submission:

The bids are to be sent to anna.marszalek@pl.abb.com.

9. Deadline for sending the initial offer.

6th of February 2015

10. Deadline for sending the final offer.

12th of February 2015

11. Bid evaluation

Evaluation of submissions will be carried out as a two-step process based on a points system. The preliminary review will select 3 (or less if there are less than 3 bids) tenders which achieve the highest number of points in accordance with the criteria's (section 11). The second review (following bid update or negotiation) will select final bid in accordance with the criteria (section 12).

12. The bids will be evaluated and weighted as follows:

- Best price - 100%

13. Bid response by the Buyer:

The Bidder will be informed whether her/his offer has won by e-mail.

14. Deadline for completion the task (incl. commissioning and training) not later than:

24th of April 2015



15. Contact person:

For more technical information please contact Krzysztof Koska at e-mail:
krzysztof.koska@pl.abb.com.

16. Attachments:

- Outline agreement.

III. Requirements for Suppliers:

The bid submittal can only be from suppliers / contractors who:

- have the authority, the necessary knowledge, experience and technical capacity, as well as resources to fulfill the bid requirements,
- are in a situation of economic and financial capacity,
- submit the bid with the required documents, statements, attachments and certificates,
- will be responsible for the quality and compliance with all the technical provisions specified,
- commit to carry out the work / service in accordance with the requirements of applicable Health and Safety and Environmental Protection Laws and have all appropriate permits and accreditations.

IV) Additional information:

- This RFQ is an invitation to send a bid
- The Bidder bears their own costs and all risks associated with the preparation and submission of the bid.
- The bids will not be sent back.
- ABB reserves the right to rescind or cancel the procedure at any stage without giving reasons.
- ABB reserves the right until, the deadline for submission of bids, to make changes to the requirements, and commits as such to inform parties affected by such a change,
- ABB reserves the right to accept the whole or any part of the bid
- ABB reserves the right to negotiate with bidders.
- The entire process is conducted in accordance with procedures of ABB Sp. z o.o. – Public Procurement Law is not applicable
- Buyer rejects the possibility of concluding an agreement by the omission
- This procedure does not cause for any entity submitting a bid exclusive rights to negotiate contract terms
- Each of the parties at any stage of the negotiations has the right to submit a written statement of the completion of negotiations without giving reasons
- To avoid a doubt, ABB Sp. z o.o. declares that this procedure does not constitute a commitment or claims to conclude of any contract and the payment of compensation in case of no conclusion
- The Bidder and ABB Sp z o.o. are obliged to confidentiality, for an indefinite period, in relation to the information obtained during the proceedings and negotiations in order to conclude the contract.
- The Bidder accepts ABB General Terms and Conditions for Purchase of Goods.

Current RFPs can be tracked at <http://new.abb.com/pl/o-nas/technologie/korporacyjne-centrum-badawcze-abb/grant-unii-europejskiej>

Thank you and best regards,
Anna Marszałek
Anna.marszalek@pl.abb.com