

RFP No. 1/2018
Pertaining to supplies of hardware used to measure electricity consumption and climatic conditions for Households

1. Ordering Party Details

Name of the Ordering Party	HUSAR LABS SPÓŁKA Z OGRANICZONĄ ODPOWIEDZIALNOŚCIĄ
Office Address	ul. Wilczak 49, 61-623 Poznań, Poland
Taxpayer Identification Number [NIP]	9721266595
Contact Person	Borys Tomala
Phone No.	+48 739 012 700
E-mail Address	borys.tomala@lerta.energy

2. Order Details

Type of the Order

The procedure is being implemented in compliance with the rule of competitiveness, as understood within the scope of the *Guidelines within the Scope of Eligibility of Expenditure, within the Framework of the European Regional Development Fund, European Social Fund and Cohesion Fund for the period between 2014 and 2020*, which is related to implementation of a project by the Ordering Party, with that project being co-financed with the use of funds provided via the Smart Growth Operational Programme, under the name: “Lerta – A System for Smart Metering and Non-Invasive Analysis of Energy Consumption and Gas Consumption in Households”.

Description of the Order

Delivery of 100 brand new metering packages is the subject of the order, with the said hardware measuring the following parameters: (i) Electricity consumption by the individual devices (“smart plug”), (ii) Temperature and humidity, (iii) Doors and windows opening, and (iv) Electricity consumption at the main meter. Each of the packages shall include the following elements:

1. CPU for data aggregation - 1 pc.

The unit shall be capable of providing wireless connectivity with the remaining components of the system, it shall be using open Linux environment and make it possible to launch the Ordering Party’s Java SE software. Metering data downloaded from the remaining devices shall take place via APIs or SDK tools, defined and documented by the Tenderer.

The hardware shall comply with the technical requirements as follows:

- Processor that is able to work at speeds of at least 450 MHz,
- Minimum of 256 MB of RAM and at least 512 MB of internal storage space,
- Wireless connectivity with the remaining hardware contained in the package,
- WiFi and Ethernet Internet connection.

2. Device for measuring the active power, electricity voltage and current – 10 pcs.

The device should make it possible for the user to install it on a plug of any electric or electronic appliance, as an interconnector between the socket and the appliance. Furthermore, the device shall also exhibit a remote control ability, within the scope of switching the connected hardware on and off. The system should also feature an easily accessible and visible switch that could be used to perform the aforesaid action. The device shall meter the voltage in the circuitry, the current and the active power output, at least in 15 second intervals, offering an accuracy which would not be worse than +/-

2%. Maximum permissible current value for the circuitry must not be lower than 10 A in a continuous mode.

3. Climate sensor measuring at least two parameters: humidity and temperature – 4 pcs.

The system shall exchange information with the CPU wirelessly and measure the temperature with an accuracy $\pm 0.5^{\circ}\text{C}$, meanwhile humidity shall be measured with an accuracy defined as $\pm 3\%$.

4. Door or window opening detector – 6 pcs.

The sensor shall be designed in a way allowing for a non-invasive installation on the window or door sash or frame, for instance with the use of a double-sided tape, and it shall generate a binary signal (open/closed).

5. Main electricity consumption meter - 1 pc.

The device should make it possible to conduct incremental metering of electric energy consumption via a post-meter set-up, with the use of light signals emitted by the meter LED.

The devices should make it possible to carry out set up on their own, without a requirement to modify the electric circuitry.

CPV Code

38551000-2 – Energy meters

32260000-3 – Data transfer systems

38400000-9 – Physical property testers

Order Implementation Deadline

June 30th 2018

Offer Submission Deadline and Offer Placing Method

Term for submitting the offer: Jun. 15th 2018 - Jun 25th 2018, 10:00

The offers may be submitted:

- In an electronic form - sent via e-mail to the following address: borys.tomala@lerta.energy ;
or
- as hard copies, sent to the address of the company's seat: ul. Wilczak 49, 61-623 Poznań, Poland

The offers shall be created on the basis of the specimen constituting Appendix No. 1 to the request herein.

The offer shall include all of the information and declarations requested, in line with the specimen.

The offer shall have a date included, and it shall be signed by a person who is authorized to represent the Contractor (in line with the relevant document that regulates his business or on the basis of Power of Attorney; the Power of Attorney shall be attached to the offer).

In cases of offers submitted in an electronic form, it is required that scanned copies of the offers are delivered, prepared in a way outlined above.

The date on which the Offer is received by the Ordering Party at the indicated e-mail address, at the company's seat, or at the address of the project office, shall be understood as the date when the offer is placed.

Offers submitted after the indicated deadline shall not be a subject to consideration.

Offers submitted in a wrong place shall not be a subject to consideration.

The Contractor shall cover all of the costs related to preparation and submission of the offer.

Tender Validity Period

120 days

3. Tender participation conditions and description of the method adopted to assess the compliance with those conditions

Item No.	Participation condition	Description of the way the Ordering Party would be assessing whether the condition has been met
1	The subject has a product which functions and has been verified at its disposal, along with proper experience in the area of delivering the measuring systems.	The Ordering Party shall consider this condition to be met if the Tenderer proves that, within the 3 years preceding the submission of the offer, he had delivered at least 1000 devices designed to measure the electrical energy consumption to any energy company or to a company acting as a supplier for an energy company. For the purpose of proving that the condition has been met, the Bidder shall deliver a list of orders completed, concerning a quantity of at least 1000 devices, along with the customer name.

4. Offer assessment criteria, criterion weights.

Criterion No. 1 – Net price associated with completion of the order	
Maximum number of points for the criterion	Description of the way adopted to allocate scores
100 Criterion weight - 1	$P_c = (C_{min} / C_c) \times 100$ where: P _c – Number of points that is allocated to the offer examined for the given criterion C _{min} – Lowest net price, among all of the offers examined C _c – Net price of the offer examined Number of points, with the (P_{cw})=P_c x 1 weight taken into account.

Method used to allocate general scores for the individual offers:

Maximum number of points that may be gathered, with the weights being taken into account (Max PO): 100

Max PO= P_{cw}

The Ordering Party shall consider the offer with the highest number of points as the most beneficial one.

In case when the selected Contractor resigns from signing the Agreement, the Agreement shall be concluded with the Contractor ranked next on the list, according to the scores associated with the aforesaid criteria.

5. Additional Information

Offer Preparation Guidelines

1. The Ordering Party does not foresee submission of partial offers.
2. The Ordering Party does not foresee submission of variant offers.
3. The Ordering Party does not foresee, within 3 years from the moment when the main order is awarded, as foreseen by RFP, placing of complementary orders.
4. The Ordering Party shall reserve a right to cancel the proceedings at any stage, without specifying the reason.
5. Each of the Contractors may place only a single offer and propose only a single net price associated with completion of the order.
6. The Contractor may, before the offer placing term expires, withdraw his offer or withdraw and change his offer (changing the offer shall translate into withdrawal of the preceding offer/offers).
7. Offers submitted after the deadline or offers that do not contain all of the required elements shall be rejected.
8. Offers shall be submitted in writing, in Polish or English, with the use of the form constituting the Appendix No. 1 of the RFP herein.
9. Samples of the offered hardware, in a quantity of 1 example for each of the offered types, shall be sent to the Ordering Party's seat along with the offer, in a way meeting the offer submission deadline. The samples shall not be returned to the Contractor whose offer is selected. In case when Tenderer whose offer has not been selected, the Ordering Party may return the samples, at the Tenderer's request.

Information Pertaining to Capital or Personal Connections

For avoidance of a conflict, the Public Procurement orders initiated by the Ordering Party cannot be awarded to the subjects that are connected to the Ordering Party within the scope of capital or personnel.

Personal or capital ties mentioned above shall be understood as mutual relationships emerging between the Ordering Party or persons authorized to bind the Ordering Party, or persons carrying out actions, on behalf of the Ordering Party, related to preparation and execution of the Contractor selection procedure, and the Contractor, in particular as follows:

- a) Being a participant in the company as a civil partnership or partnership partner,
- b) Owning at least 10% of shares or stock,
- c) Acting as a member of the supervisory or managerial body, proxy or attorney,
- d) Remaining in a marriage, family relationship or affinity in a straight line, second degree relationship or affinity in the collateral line, or in a relation of adoption, custody or guardianship.

Agreement Amendment Conditions

The Ordering Party reserves a right to change the agreement concluded with the subject selected, as a result of the Order awarding procedure, due to the reasons listed below:

- 1) Justified changes within the scope of the way in which the ordered work is performed,
- 2) Impartially indicated reasons, independent of the Ordering Party or the Bidder,
- 3) Force majeure circumstances,
- 4) Changes of the legal regulations remaining in force on the date when the Agreement is concluded,
- 5) Emergence of other circumstance that would be hard to foresee on the date when the Agreement is concluded, that would make it impossible to perform the work envisaged in the agreement within the originally defined term or scope.

The changes shall not result in changing of the nature of the originally concluded agreement.

Information on the Way in which the RFP and Tender Results would be Publicized

RFP and information on the results of the procedure would be publicized via the Ordering Party's website, www.husarlabs.com or www.lerta.energy.

June 15th 2018 Borys Tomala

individual devices (“smart plug”), (ii) temperature and humidity, (iii) opening of doors or windows, and (iv) electric energy consumption at the main meter, i.e.:

1	<p>The subject has a product which functions and has been verified at its disposal, along with proper experience in the area of delivering the measuring systems. For the sake of meeting the conditions, I am outlining the information on the orders completed, with regards to systems for measuring the electric energy consumption:</p> <p>Name of the customer/Description/Quantity/Date</p> <p>1.....</p> <p>2.....</p>
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5. Contractor’s Representations and Commitments

1.

I hereby declare that no capital or personal connections exist with the Ordering Party. Personal or capital ties mentioned above shall be understood as mutual relationships emerging between the Ordering Party or persons authorized to bind the Ordering Party, or persons carrying out actions, on behalf of the Ordering Party, related to preparation and execution of the Contractor selection procedure, and the Contractor, in particular as follows:

- a) Being a participant in the company as a civil partnership or partnership partner,
- b) Owning at least 10% of shares or stock,
- c) Acting as a member of the supervisory or managerial body, proxy or attorney,
- d) Remaining in a marriage, family relationship or affinity in a straight line, second degree relationship or affinity in the collateral line, or in a relation of adoption, custody or guardianship.

2.

I hereby declare that I am acquainted with the content of the RFP and that I accept the order completion requirements defined herein, and that the offer placed is fully compliant with the RFP.

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Date and contractor’s signature