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TOROIDY.PL TRANSFORMATORY

L. Lachowski Sp. k.

ul. Mazowiecka 20

16-001 Księżyno

NIP: 966-209-73-51

fax: 085 66-31-213

tel: 085 74-74-378

e-mail: info@toroidy.pl

Subject of the request:

The subject of this request is to develop and build a laboratory station designed to measure the levels of convection and ionisation for selected particles of a material. The basis of research is solution patented by the Patent Office of the Republic of Poland under the number 410077.

Convection shall take place in a tank with a minimum height of 2m and a diameter of approximately 0.8m.

The level (potential) of the ionisation of particles shall be measured with a voltmeter in relation to the potential of the Earth. The electric current shall be measured with a milliammeter.

Convection and ionisation levels, as well as the measurements of other changing parameters (pressure, temperature, current, and voltage), should be recorded.

Rating criteria for offer evaluation with assigned weight percentages:

1. Scientific potential and technical base of the tenderer - 20%
2. Experience in research commercialisation - 25%
3. Proposed selection of working materials for the convection current source - 20%
4. Quality of the initial layout of the laboratory station - 20%
5. Possibility of cooperation in the construction of a convection power source on a macro scale - 10%
6. Price level criteria - 5%

Rating criteria for tender evaluation with assigned weight percentages:

1. Scientific potential and technical base of the tenderer - 20%

2. Experience in research commercialisation - 25%
3. Proposed selection of working materials for the convection current source - 20%
4. Quality of the initial layout of the laboratory station - 20%
5. Possibility of cooperation in the construction of a convection power source on a macro scale - 10%
6. Price level criteria – 5%

Description of the rating tactic for satisfying evaluation criteria:

'Scientific potential and technical base of the tenderer' means the number of researchers working in specialised laboratories. This criterion will be rated basing on the following formula:

$$K1=K_o/K_n \times 20\% \times 100$$

Wherein,

K_o – number of researchers declared in evaluated tender

K_n – the highest number of researchers declared among all evaluated tenders

K_1 – number of points awarded to the tender

'Experience in research commercialisation' means the number of research commercialised and made public within last 3 years. This criterion will be rated basing on the following formula:

$$K2=K_o/K_n \times 25\% \times 100$$

Wherein,

K_o – number of research commercialised and made public within last 3 years declared in evaluated tender

K_n – the highest number of research commercialised and made public within last 3 year declared among all evaluated tenders

K_2 – number of points awarded to the tender.

'Proposed selection of working materials for the convection current source' means the number of working materials proposed for research. This criterion will be rated basing on the following formula:

$$K3=K_o/K_n \times 20\% \times 100$$

Wherein,

Ko – number of proposed selection of working materials in evaluated tender

Kn – the highest number of proposed selection of working materials among all evaluated tenders

K3 – number of points awarded to the tender.

'Quality of the initial layout of the laboratory station' means the comparison to own construction designs of Contractor. The highest number of points will be awarded to proposals indicating the highest number of designers' errors. This criterion will be rated basing on the following formula:

$$K4 = Ko / Kn \times 20\% \times 100$$

Wherein,

Ko – number of designers' errors indicated by the tenderer in evaluated tender

Kn – the highest number of designers' errors indicated by the tenderer among all evaluated tenders

K4 – number of points awarded to the tender.

'Possibility of cooperation in the construction of a convection power source on a macro scale' means a declaration of intention to cooperate in this field. This criterion will be rated basing on the following formula:

K5 = 0 points – if tenderer has no possibilities/declares no intention to cooperate in the construction of a convection power source on a macro scale.

K5 = 10 points – if tenderer has the ability and declares the intention to cooperate in the construction of a convection power source on a macro scale.

'Price level criteria' means the total net amount indicated by the tenderer for completing the subject-matter of the contract. This criterion will be rated basing on the following formula:

$$K6 = Cn / Co \times 5\% \times 100$$

Wherein,

Cn – the lowest proposed net price,

Co – net price proposed in the evaluated tender

K6 – number of points awarded to the tender.

Among all valid tenders, the Contracting Authority shall deem the most advantageous tender and select the tender that fulfills all rating criteria indicated in detailed description of the

subject-matter of contract and that has been awarded the highest number of points in final evaluation.

$$K = K1 + K2 + K3 + K4 + K5 + K6$$

Wherein,

K – points awarded in final evaluation

K1 – points awarded within 'scientific potential and technical base of the tenderer' criterion

K2 – points awarded within 'experience in research commercialisation' criterion

K3 – points awarded within 'proposed selection of working materials for the convection current source' criterion

K4 – points awarded within 'quality of the initial layout of the laboratory station' criterion

K5 – points awarded within 'possibility of cooperation in the construction of a convection power source on a macro scale' criterion

K6 – points awarded within 'price level criteria'

Points will be counted to two decimal places and rounded up according to generally accepted mathematical rules.

Deadline for submitting tenders:

All tenders must be submitted by midnight of the tenth day following publication of this request.

Information on personal or capital ties prohibition

Capital or personal ties mean mutual ties between the Contracting Authority or persons authorised to assume obligations in the name of the Contracting Authority or persons performing in its name activities connected with selection of the economic operator and the economic operator- Tenderer, including:

- a) participation in civil law partnership or commercial partnership,
- b) holding at least 10% of shares if lower threshold is not provided for in relevant acts of law or by the contracting authority in programming guidelines,
- c) acting as a member of supervisory or managing authority, proxy or attorney-in-fact,
- d) remaining in matrimony, consanguinity or affinity in direct line or consanguinity or affinity in indirect line up to the second degree, or being related due to adoption, legal custody or guardianship.

Information on requirements for tenderers:

The tenderer shall submit, together with his offer, a statement that he carries out the economic activity or has necessary knowledge and experience within supply or service included in request for quotation and has the actual ability to complete the contract, including i.a. rights, technical potential and personnel necessary to complete this contract.

Contact details for the announcement:

Name: Lech Lachowski

E-mail: l.lachowski@toroidy.pl

Phone no: +48 501265450