

Blizne Laszczynskiego, 24/03/2019

REQUEST FOR PROPOSAL No: LAS/1/03/2019 FOR:

Delivery of critical components for a flash-lamp pumped CTH:YAG laser engine

as part of a research and development project no. POIR.01.01.01-00-1306/17, entitled: "An innovative laser for applications in endoscopic urological surgery" for the implementation of which Metrum Cryoflex Limited Liability Company, Limited Partnership Company received funding as part of 1.1 "R & D projects of enterprises" action, 1.1.1 "Industrial research and development carried out by enterprises" Smart Growth Operational Programme sub-action.

1. Name (company) and address of the Ordering Party

METRUM CRYOFLEX Limited Liability Company, Limited Partnership Company
ul. Zielna 29
05-082 Blizne Łaszczyńskiego near Warsaw
Phone: +48 22 3313-750, 3313-830 (headquarters)
Fax: +48 22 33-13-766
E-mail: biuro@metrum.com.pl
WWW: <http://metrum.com.pl>

2. Order description

2.1. The subject of this order is:

Delivery of critical components for a flash-lamp pumped CTH:YAG laser engine

A set of critical components, for a flash-lamp pumped CTH:YAG laser engine, should consist of items listed out below (along with demanded quantity and technical parameters to be fulfilled):

- a) FF (Flat-Flat) CTH:YAG laser rod:
 - quantity: 2 pcs;
 - diameter: 4 mm;
 - length: 130 mm, tolerance +0 mm/-4 mm;
 - end-facets: flat-flat, AR coated @ 2100 nm (high-power)
- b) CC (Concave-concave) CTH:YAG laser rod:
 - quantity: 2 pcs;
 - diameter: 4 mm;
 - length: 130 mm, tolerance +0 mm/-4 mm;
 - end-facets: concave-concave, radius of curvature 40 cm +/-5cm, AR coated @ 2100 nm (high power)
- c) Diffusive Reflector Pump Chamber:
 - quantity: 2pcs;
 - suitable to fit in CC CTH:YAG and FF CTH:YAG laser rods offered by contractor (mechanical constraints)
 - cooling ports orientation: side
 - additional replacements: O-rings (to seal of a lamp, and a CTH:YAG rod), 2 sets





- d) Triggering transformer:
- quantity: 2 pcs.
 - compatible with Diffusive Reflector Pump Chamber and lamp offered by contractor (mechanical and electrical constraints)
- e) Flash lamp:
- Quantity: 4 pcs;
 - compatible with FF/CC CTH:YAG laser rod and pump chamber offered by contractor (mechanical constraints);
 - Xe-filled;
 - lamp design optimized for efficient pumping of CTH:YAG using Partial Capacitor Discharge;
- f) High reflector:
- quantity: 2 pcs;
 - diameter: $\frac{1}{2}$ ";
 - substrate material: Substrate material suitable for high power operation @ 2.1 μm , characterized by low OH^- absorption;
 - curvature: flat;
 - coating: HR (highly reflective), $R > 99.8\%$ @ 2100 nm, high-power;
- g) Output coupler
- OC1:
- quantity: 2 pcs;
 - diameter: $\frac{1}{2}$ ";
 - curvature: flat;
 - substrate material: substrate material suitable for high power operation @ 2.1 μm , characterized by low OH^- absorption;
 - coating: side1 – PR (partially reflective), $80\% \leq R \leq 85\%$ @ 2100 nm, high-power;
side2 – preferably AR (antireflective) @ 2100 nm, high-power;

alternatively

OC2:

- quantity: 2 pcs;
- diameter: $\frac{1}{2}$ ";
- curvature: flat;
- substrate material: substrate material suitable for high power operation @ 2.1 μm , characterized by low OH^- absorption;
- coating: side1 – PR (partially reflective), $70\% \leq R \leq 75\%$ @ 2100 nm, high-power;
side2 – preferably AR (antireflective) @ 2100 nm, high-power;

2.2. Type of order: delivery of laboratory equipment



2.3. The name given to the order by the Ordering Party:

Delivery of critical components for a flash-lamp pumped CTH:YAG laser engine

More detailed information about the subject of the order can be provided by Metrum Cryoflex after the interested parties have signed the confidentiality statement.

2.4. Common Procurement Vocabulary (CPV): **38636000-2**

2.5. CPV code name: Specialized optical devices.

3. The deadline for completion of the Order

The deadline for completion of the Order: not later than 10 weeks from the date of announcement of the results of the competition for best bid and order placement.

4. Conditions for participation in the proceedings

The Contractor must not be linked personally or financially with the Ordering Party. Personal or financial links mean the interrelationship between the Ordering Party or persons authorized to incur liabilities on behalf of the Ordering Party or persons performing on behalf of the Ordering Party activities related to the preparation and conduct of the selection proceedings of the Contractor and the Contractor, consisting in particular of:

- a) participating in the company as a partner in a civil company or partnership;
- b) owning at least 10% of shares or stocks;
- c) performing the function of a member of the supervisory or management body, a proxy, a plenipotentiary;
- d) being married, related in consanguinity or affinity in a straight line (parents, children, grandchildren, parents-in-law, son-in-law, daughter-in-law), related collaterally in consanguinity or affinity to second degree (siblings, relatives, spouse) or being related by adoption, care or guardianship.

(Statement required)

In the event of a link, the Contractor will be subject to rejection from the proceedings.

The evaluation of compliance with the above conditions will be made according to the formula: "complies - does not comply". A contractor that fails to comply with a condition will be rejected in the proceedings.

5. The currency in which settlements related to the execution of this request for proposal will be conducted

The price of the bid will be provided by the Contractor in **PLN**, in **EUR** or **USD**.

The **EUR / USD** exchange rate calculated according to the average **EUR / USD** exchange rate announced by the National Bank of Poland on the day the proceedings are settled.

6. Description of the bid preparation

1. Basic requirements

- 1) Each Contractor may submit only one bid.
- 2) The bid should be prepared in Polish or English.
- 3) The Contractor shall bear all costs related to the preparation and submission of the bid.

2. Form of the bid

- 1) The bid must be submitted in written, fax or electronic form (scan).
- 2) The Ordering Party does not allow partial bids.

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**3. Elements of the bid**

The complete bid should contain at least technical specification of the offered product, time of completion, payment deadline, schedule.

7. Persons authorized to contact the Contractors

The persons authorized by the Ordering Party to contact the Contractors are:

- 1) Łukasz Gałecki, phone: +48 505 604 841, e-mail: Lukasz.Galecki@metrum.com.pl
- 2) Konrad Wójtowicz, phone: +48 502 327 874, e-mail: Konrad.Wojtowicz@metrum.com.pl

8. Place, date and manner of submitting the bid

The bid must be submitted in the form of a scanned document by e-mail, fax or traditional mail to the address: **ul. Zielna 29, 05-382 Blizne Łaszczyńskiego**; fax.+48 22 33 13 766; e-mail: Lukasz.Galecki@metrum.com.pl or konrad.Wojtowicz@metrum.com.pl

until	1 April 2019	until	23:59
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The date and time of receipt of the bid at the Ordering Party's headquarters is decisive.

9. Criteria for the evaluation of the bids

1. The Ordering Party will evaluate and compare only those bids that will not be rejected by the Ordering Party.
2. The bids will be evaluated by the Ordering Party based on the following criteria and their importance:

Criterion	Percentage importance of the criterion	The maximum number of points a bid can receive for a given criterion
Price	60%	60 points
Lead time	20%	20 points
Terms of payment	10 %	10 points
Quality management system	10 %	10 points

3. The rules for the evaluation of the "Price" criterion (C).

In the case of the "Price" criterion, the bid will receive a number of points rounded out to two decimal places resulting from the equation:

$$P_i(C) = C_{min}/C_i \times \text{Max}(C)$$

where:

$P_i(C)$	the number of points the "i" bid will receive for the "Price" criterion;
C_{min}	the lowest price among all valid and not rejected bids;
C_i	price of the "i" bid;
$\text{Max}(C)$	the maximum number of points a bid can receive for the "Price" criterion, i.e. 60 points.

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**4. The rules for the evaluation of the "Time of completion" criterion (T).**

In the case of the "Time of completion" criterion, the bid will receive a number of points rounded out to two decimal places resulting from the equation:

$$P_i(T) = T_{min}/T_i \times \text{Max}(T)$$

where:

P _i (T)	the number of points the "i" bid will receive for the "Time of completion" criterion;
T _{min}	The shortest delivery time of the subject of the order (in calendar days) from all valid and not rejected bids;
T _i	delivery time of the subject of the order (in calendar days) of the "i" bid
Max (T)	the maximum number of points a bid can receive for the "Time of completion" criterion, i.e. 20 points.

"Time of completion" is defined as period within which entire order is delivered to ordering party.

5. The rules for the evaluation of the "Terms of payment" criterion (P).

P_i(P) = 0 points, when prepayment is required

P_i(P) = 10 points, when payment after the delivery of the product (unconditional)

6. The rules for the evaluation of the "Quality management system" criterion (Q).

P_i(Q) = 0 points, when a Contractor has not established a quality management system in accordance with ISO 9001

P_i(Q) = 10 points, when a Contractor has established a quality management system in accordance with ISO 9001

A contractor can receive a maximum of 100 points

The bid which is not subject to rejection and which, after totalling up the points received in each sub-category, will receive the highest number of points, will be considered the most advantageous. If the most advantageous bid cannot be selected due to the fact that two or more bids present the same price balance and other evaluation criteria, the Ordering Party selects the bid with the lowest price from among those offers.

10. The manner of bid evaluation and announcement of the results**1. Explanations of the contents of the bids and correcting obvious errors.**

During the examination and evaluation of the bids, the Ordering Party may request from the Contractors explanations regarding the contents of the submitted bids.

2. Verifying the reliability of the bids.

The Ordering Party reserves the right to verify, during the evaluation of the bid, the reliability of the documents, statements, lists, data and information provided by the Contractors.

3. Announcing the results of the proceedings.

Contractors that submit bids will be notified about the results of the proceedings in electronic form to the e-mail address indicated in the bid, no later than within 7 business days from the day of the deadline for submission of the bids. The information on the results of the proceedings will be published on the Ordering Party's website.

