



## DOCUMENTATION FOR A TENDER FOR A TECHNOLOGY SUPPLIER

*Invitation to submit a tender for Automatic testing station for three-phase electric motors for hybrid systems equipped with a measuring system for collection and evaluation of data for the purposes of the **Ecological drive unit** project, reg. number 4.2 PT01/059*

### 1. CONTRACTING AUTHORITY

MSR Engines s.r.o.  
Reg. No: 26968215, Tax Identification No.: CZ26968215  
Nálepková 97  
63700  
Brno, Czech Republic

E-mail: [msrengines@seznam.cz](mailto:msrengines@seznam.cz)

The competitors are expected to study the instruction, the contract law and specification included in this documentation and shall abide. If the proposal is not submitted before the end of the time limit or does not meet all the requirements, it will be refused.

In case a clarification is necessary, it is possible for the submitters to contact the Contracting Authority via the e-mail [msrengines@seznam.cz](mailto:msrengines@seznam.cz).

### 2. SUBJECT OF THE COMMISSION

The subject of the commission is a supply of the *Automatic testing station for three-phase electric motors for hybrid systems equipped with an industrial measuring system for collection and evaluation of data*

The specification of the *Automatic measuring station simulating a ride of the vehicle* is as follows:

- a) *Controlled electric motor of a minimum power of 5 kW simulating running of a combustion engine and braking for testing the generator operation,*
- b) *Automatic brakes for a maximum power of 3 kW for measuring the parameters of electric motors including a simulation of a non-standard conditions (riding a worn-out road) with the parameter accuracy of 20 W,*
- c) *Measuring and controlling system allowing displaying and evaluation of the parameters:*
  - a. *Revolutions (measurable at least to 10,000 revolutions) of a simulation electric motor*
  - b. *Voltage (measurable at least to 100 V) and amperage (measurable at least to 200 A) in the simulation electric motor circuit*
  - c. *Revolutions (measurable at least to 10000 revolutions) of an electric motor of a hybrid drive*
  - d. *Voltage (measurable at least to 100V) and amperage (measurable at least to 200 A) in the circuit of an electric motor of a hybrid drive*
  - e. *Temperature of an electric motor of a hybrid drive (ranging at least 20-300 °C)*
  - f. *Revolutions (measurable at least to 10000 revolutions) of a generator of a hybrid drive*
  - g. *Voltage (measurable at least to 100V) and amperage (measurable at least to 200 A) in the circuit of a generator of a hybrid drive*
  - h. *Temperature of a generator of a hybrid drive (ranging at least 20-300 °C)*
- d) *Data output allowing its display in Microsoft Excel or a similar alternative software*
- e) *Repeatability of the measured parameters (0.5%)*
- f) *The controlling software of the automatic testing station must allow for the possibility of programming any possible riding cycle with no limitations.*
- g) *The possibility of communicating and setting up the cycle using 2D Datarecording software or a similar alternative industrial software.*



### **3. TIME AND PLACE OF THE PERFORMANCE**

#### **3. 1 Time of delivering the public tender**

A tender is to be delivered within 30 days after signing the contract.

#### **3. 2 Place of delivering the public tender**

The place of delivering shall be in the premises of the Contracting Authority in Brno:

MSR Engines s.r.o.  
Kasárna Černá Pole 21 – building 22  
str. Mathonova  
Brno - Czech Republic

### **4. REALISATION CONDITIONS**

The tender can be delivered by any physical or corporate entity. A physical or corporate entity cannot win the tender if:

- a) their company is bankrupt or is undergoing the liquidation process, it started the composition with creditors, suspended its business activity, participates in a legal or other action mentioned above or is in an analogous situation resulting from the same proceedings stated in national legislation or regulations;
- b) it was lawfully convicted for breaking the law in relation with its business activity;
- c) it committed a serious professional offence that can be proved by any means by the Contracting Authority;
- d) it didn't satisfy the financial obligations concerning paying the social insurance or taxes based on the laws of the country in which its business activity takes place or the laws of the Contracting Authority's home country, or the laws of the country in which the contract will be fulfilled;
- e) it was lawfully convicted for criminal fraud, corruption, membership of a criminal organization or any other illegal activity damaging business interests of European Community;
- f) it has seriously broken a contract or has not abided by a contract law in other public trade commission or a grant financed from the Community funds.

The suppliers can prove that they meet such requirements by making an affidavit stating that none of this is true in their case. This affidavit must be a part of the submission.

### **5. DEFINITION OF THE TASK AND THE CONDITIONS OF REALISATION**

- The warranty period will be at least 24 months,
- The warranty repairs will not take more than 2 weeks from the report of the problem for any goods in the offer,
- The equipment will not be delivered later than 30 days from the signing of the contract of purchase, unless other agreement states otherwise.

### **6. THE TIME LIMIT AND PLACE FOR SUBMITTING**

The submission can be placed in Czech or English language, including addressing and labelling the envelope. The governing law is the law of the Czech Republic.

The time limit for submitting is March 29, 2010, 10.00 o'clock. When sending the submission via mail or a messenger service, the submission is considered delivered the moment it is physically present at the



contact address of the Contracting Authority. The submitters can send their submissions by registered mail or bring personally to the address:

MSR Engines s.r.o.  
Nálepková 97  
63700  
Brno  
Czech Republic

The envelope must be labelled „**Ecological drive unit** Project“ – DO NOT OPEN in upper left corner. The envelope must have a stamp of the submitter on the seal, including the full name and seat of the submitter. All the pages of the submission must be numbered and individual pages must be permanently joined together.

## **7. THE OFFERING PRICE**

The maximum price of the submitted offer is not limited by the Contracting Authority.

## **8. PRICE OFFER OBLIGATIONS**

The price offer shall include:

- a) The total price excl. VAT
- b) The total price incl. VAT

## **9. PAYMENT CONDITIONS**

The price offer must be presented in CZK in total prices both excluding and including VAT. The prices must include all the fees or custom duties.

After a mutual agreement the Contracting Authority can accept other goods than that offered in a model offer, if the goods exhibit higher qualitative parameters. The Contracting Authority will not provide any advance payment. The settlement will take place in Czech currency based on accounting documents provided with 30 days maturity after accepting the delivery with no defective conditions and failures to deliver on the side of the provider.

The accounting documents must include a delivery order signed by the contact person at the place of delivering.

### **9.1. PENALTY:**

- a. The submitter must accept the Contracting Authority's right for a contractual penalty of 0.1% of the price of the goods being supplied in the case of a delay of delivering or removing the deficiencies in the warranty period or failing to be able to temporarily provide the Contracting Authority with an alternative equipment of a comparable quality. This does not affect the right for claiming the compensation.
- b. The submitter must accept the Contracting Authority's right for a contractual penalty of 0.2% of the price of the goods for every additional day of delay started when delivering the goods. This does not affect the right for claiming the compensation.

## **10. THE TIME LIMIT AND THE SCHEDULE OF THE COMMISSION**

The delivery shall take place within 45 days after notifying the winner about the result of the tender.



## 11. OTHER CONDITIONS

The Contracting Authority shall agree with the submitter on the text of the contract and the winner is obliged to cooperate so as the contract can be signed as soon as possible after notifying the winner, not later than 15 days after this.

If the winner refuses to sign the contract with the Contracting Authority, the Contracting Authority can sign the contract with the submitter placed after the winner. The submitter shall be bound by its offer for the time of 1 month after the last day of the time limit of the tender.

The submitter must also present the documentation proving its ability to realize the commission (a certificate of incorporation or other certificate of its legal subjectivity, trade authorization or an affidavit).

The Contracting Authority requires the supplier to keep the documentation of the realization for 10 years after realizing the commission.

The supplier must allow people entitled to inspection of the project funding the commission inspect the documents relevant to the commission, in time limit of up to 10 years after finishing the commission.

The Contracting Authority reserves the right to cancel the tender without giving any reason.

The submissions presented will not be returned.

## 12. CONTRACT AWARD CRITERIA

Formal contract award criteria:

- |   |          |
|---|----------|
| 1. The offer was delivered to the Contracting Authority in specified time and way:        | YES – NO |
| 2. The offer was signed by the competent person:  | YES – NO |
| 3. The offer includes a complete identification of the supplier:                          | YES – NO |
| 4. The offer includes a detailed description of the delivery according to the invitation: | YES – NO |
| 5. The offer meets the technical parameters stated in Clause 2:                           | YES – NO |

If a supplier does not meet any of the requirements stated above, it is automatically disqualified.

Content criteria of the offer:

1. Offered price (the comparing is done using the price excluding VAT)

## 13. CONTRACTUAL RELATIONS

The contractual relations of the Contracting Authority and the winner will be established in the Contract of Purchase.

## 14. WAY OF PAYMENT FOR THE SUPPLIED GOODS

The payment will be made in the form of a bank transfer based on invoices issued according to the supply contracts.

## 15. INVITATION PUBLIC INFORMATION

The invitation public information will be presented on the pages of the Official Business Journal.

## 16. OFFER EVALUATION

The offers will be evaluated by a panel appointed by the Contracting Authority immediately after the end of the time limit for submissions. The only evaluation criterion is the price of the offer (excluding VAT) – the winning offer is the offer with the lowest price.

## 17. OTHER PROVISIONS

The Contracting Authority reserves the right to not proclaim any offer to be the winning one.

The Contracting Authority acts upon the conditions of the grant provider. See <http://www.czechinvest.org>.

The company claims that this competition is not a public tender or public promise. The Company reserves the right to cancel the tender, in the cases referred to in § 84 of Act No.137/2006.