

EXPECTED TERMS AND CONDITIONS

for the forthcoming public tender

Name of public tender:

SUPPLY OF CAMERA SYSTEMS FOR VIDEOTOLLING

Reference: VZ_2019_A30

1 BASIC INFORMATION

1.1 The Contracting Authority

Name: CENDIS, s. p.
Seat: nábřeží Ludvíka Svobody 1222/12, 110 15 Praha 1
ID: 00311391
Tax ID: CZ00311391
Registered: in the Commercial Register kept by the Municipal Court in Prague, Section ALX
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1.2 Acting on behalf of the Contracting Authority

Ing. Jan Chovanec, Ph.D., director.

1.3 The Contracting Authority is a state-owned enterprise, a legal entity established and commissioned by the Czech Republic - the Ministry of Transport („Investor“), *inter alia* to provide professional capacities for the implementation, operation and maintenance of selected state administration information systems.

1.4 The Contracting Authority is developing a project for the Investor, which outcome will be to implement and operate a camera monitoring system for capturing, identifying and evaluating image data from vehicles using specific parts of the road system in the Czech Republic.

1.5 The forthcoming public tender is envisaged to result in selection of the appropriate subcontractor(s) for the Contracting Authority, who acts as a general supplier and system integrator.

2 PURPOSE AND MISSION OF THE DOCUMENT

2.1 Pursuant to Section 33 of Act No. 134/2016 Coll., on Public Procurement, as amended (hereinafter referred to as “Act”), the Contracting Authority published on 3 September 2019 its intention to conduct preliminary market consultations (hereinafter referred to as “PMC”) with experts or suppliers with a view to preparing procurement documents and informing potential suppliers of its plans and requirements.

2.2 With respect to the above, the Contracting Authority with the use of PMC aims to:

- a) inform potential suppliers of its intentions to carry out the aforementioned public tender,
- b) obtain relevant and objective information on the solution options and competencies of

potential suppliers,

- c) set transparent and non-discriminatory terms and conditions of the public tender.
- 2.3 This document serves as is a follow-up to the public invitation to participate in preliminary market consultations („Invitation“) published by the Contracting Authority on its procurement profile (<https://zakazky.cendis.cz>, public tender: „[Preliminary market consultations on the forthcoming public tender Supply of camera systems for videotolling](#)“, section “Zadávací dokumentace” (*Tender Documentation*) and „Veřejné dokumenty“ (*Public Documents*) and serves to ensure that the PMC participants who have entered the preliminary market consultations acquainted the Contracting Authority with the following anticipated public tender terms and conditions, in particular:
- a) the subject and objective of the public tender,
 - b) technical conditions of the contract,
 - c) qualification criteria and other conditions of participation in the tendering procedure,
 - d) the tender criteria and evaluating methods,
 - e) contractual conditions of the Contracting Authority.
- 2.4 PMC participants will be invited to comment on the information contained in the expected tender terms and conditions (this document) or to answer the questions of the Contracting Authority, to communicate their own suggestions, reservations, possible other approaches, etc. Each statement should include a justification and possibly a solution proposal. However, the Contracting Authority points out that it will only deal with relevant comments aimed at the factual, technical or legal aspects of the Contracting Authority's intentions and the terms of reference.
- 2.5 For the avoidance of doubt, this document is not a request for proposal whatsoever, but is drafted solely for the purpose of the preliminary market consultations for the forthcoming public tender. The course and expected outcomes from PMC are noted in the Invitation.

3 PLANNED OBJECTIVES OF THE FORTHCOMING PUBLIC TENDER

- 3.1 The public tender is currently being prepared within the framework of a project on which the Contracting Authority cooperates with the Investor and some of its subordinate organizations. The exact scope, estimated value, options for camera systems use and deadlines for deliveries have not been fixed yet.
- 3.2 The objective of the forthcoming public tender will be to choose the most economically sound proposal for the supply of camera systems¹ for independent continuous vehicles monitoring by means of automatic optical recognition of the license plate number („ANPR“), country of origin and certain other additional parameters of the vehicles.

¹ The term assumes multiple functionally interconnected equipment, such as ANPR camera, high resolution camera, laser detector, illumination torch etc.

- 3.3 Camera systems will be used to collect and evaluate data on the operation of all types of road vehicles on the selected road sections in the Czech Republic, the data is expected to be of multi-purpose kind and their use may change according to the specific requests of the Investor during the course of the contract.
- 3.4 The scope of use of camera systems is primarily intended to toll roads.

4 EXPECTED BASIC PARAMETERS OF THE CONTRACT

4.1 Assumed title of the public contract.

The assumed title of the public contract is "Supply of camera systems for videotolling". Since the name of the contract should correspond to the purpose of the project, it is possible that the name may change in agreement or at discretion of the main investor.

4.2 Estimated value of the contract.

The estimated value of the contract is not known, yet. The extent of camera use, the location of control stations, detailed conditions for the installation of camera systems, energy supply, data communication conditions etc. have not yet been sufficiently determined.

The Contracting Authority assumes to use two basic types of camera systems, one for fixed installations on highway toll gates and one for mobile installations into vans.

The Contracting Authority considers to use camera systems or other suitable equipment for counting of axles of the heavy trucks.

From 03.12.2019, the Contracting Authority will have at disposal from up to 78 existing highway toll gates currently used for microwave toll system.

The Contracting Authority assumes that the vehicles video capturing scope will range from one up to three lanes in two driving directions; thus, one to six camera sets will be installed on one monitoring station.

For mobile camera installations, the Contracting Authority will have at its disposal up to 50 control vehicles that will be adapted for the needs of the project. Contracting Authority assumes the installation of two cameras per vehicle, one at the front, one at the back of the vehicle. Data will be collected/processed from the standing as well as moving control vehicles.

The installation of the camera system in the vehicle will have to be homologated for use on the public road system in the Czech Republic.

Questions to suppliers:

- **Is it possible to use the same camera type for fixed and mobile installation?**
- **Is it possible to use the same camera type for ANPR and other functions, such as high resolution picture, make and model recognition, axles counting etc.?**
- **Is it possible to use the same camera type for one lane and multiple lanes capturing by setting of zoom?**
- **What is the implication of the homologation condition for the camera technical specification and price?**
- **Which of your products are suitable for use cases mentioned hereto?**
- **Which of your products would you recommend to use (please suggest options with their advantages and risks)?**
- **Would you be ready to present the capabilities of your systems before the public**

tender is carried out?

- **Would you be ready to let your system be tried/tested prior to ITT?**

4.3 Expected type and process of forthcoming public tender.

Since the final detailed technical specification of the camera systems, scope of deliveries, and thus assumed value of the contract cannot be defined with sufficient precision at the moment, the Contracting Authority is considering launching an open, above-threshold public tender leading to conclusion of the framework agreement with at least two suppliers. The Contracting Authority considers to award contracts by using a combined procedures in accordance to the Section 132, paragraph 3 b) of the Act.

4.4 Expected timetable for the forthcoming public tender.

Activity	Expected due
Preliminary market consultations (current activity)	31.10.2019
Invitation to tender	30.11.2019
Bids due date	31.01.2020
Conclusion of framework contracts	28.02.2020
Minitenders and deliveries	28.02.2024

The Contracting Authority assumes to launch minitenders approximately 1x in 6 or 12 months according to actual supply needs.

Questions to suppliers:

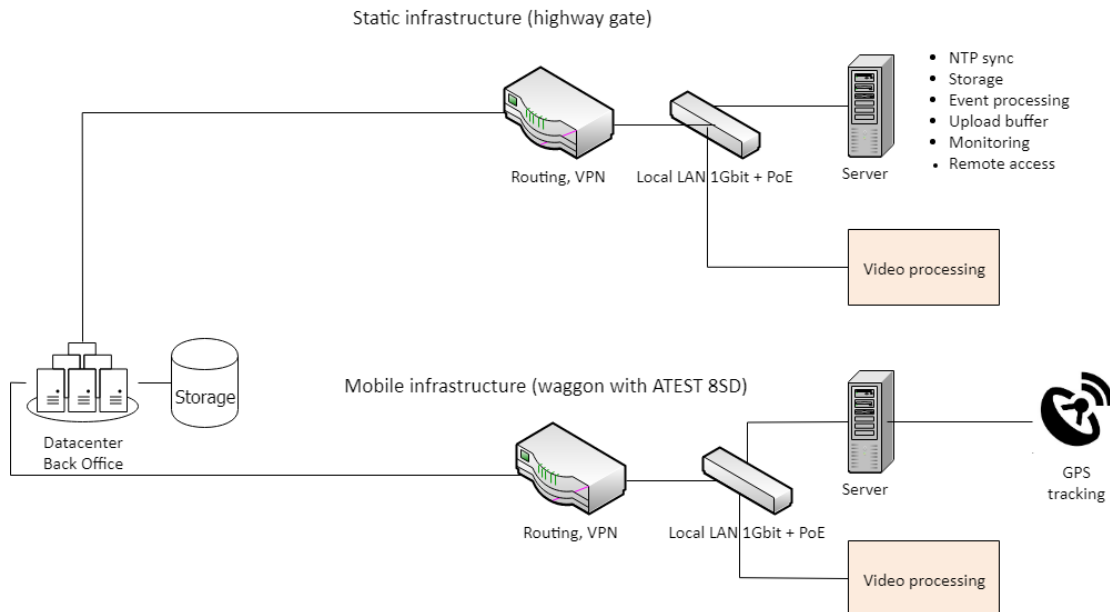
- **What is the average lead time from order to commissioning?**
- **What is the maximum number of cameras to be delivered within the lead time specified?**
- **Do you provide camera systems as a service (rental, operating leasing or financial leasing)?**
- **Do you offer also the installation and system commissioning?**
- **Do you use subcontractors for contracts of similar kind?**
- **How are the warranty repairs conducted (on-site, off-site etc.) and how long ist the average reaction time?**
- **What is the average ANPR success rate of your systems under similar condition described hereto?**
- **Is it possible to acquire and connect the additional components (such as radar etc.) later on?**

4.5 Language and governing law of the forthcoming tender.

The invitation to tender, terms and conditions, negotiation and contract will be written and held in Czech language, the governing law will be Czech. Prices and payments will be stated in Czech koruna (CZK).

5 PRESUMED TECHNICAL CONDITIONS OF THE FORTHCOMING PUBLIC TENDER

5.1 The Contracting Authority assumes distributed operation of camera systems with data connection to the main datacenter in accordance with the following preliminary scheme.



- 5.2 The Contracting Authority requires that the basic functionality of camera systems should be a snapshot capturing picture of a passing vehicle in maximum possible recognition, accompanied by ANPR recognized metadata containing (at least) alphanumeric optically detected license plate, country of origin, OCR recognition confidence rate, prove of the source origin of the data (digital signature), GPS location and the date and time of the recording in the form of a timestamp.
- 5.3 The additional metadata from the control record that the contracting authority wishes to obtain includes, *inter alia*, the type of vehicle (e.g. passenger car, truck, bus, motorcycle), emission class, number of axles, vehicle manufacturer, type, body color, etc.
- 5.4 The Contracting Authority is expecting possible future use of camera systems for other applications such as monitoring of the vehicles' speed, traffic intensity counting, statistics by vehicle type, etc.
- 5.5 The Contracting Authority requires that camera system is able to record and recognize metadata of vehicles in moving speed min. up to 200 km/h.
- 5.6 Fixed camera installations will operate 24/7 in publicly accessible locations, all components must be resistant or have protection against vandalism, extreme temperature fluctuations, dust and icing, while requiring a minimal maintenance.
- 5.7 The image data will be sent via the TCP/IP protocol to a data storage on the local server, which will ensure the event upstream processing to the main datacenter.
- 5.8 The Contracting Authority has available local servers for data processing directly at the monitoring station and therefore does not assume/require installation of other local PC/server components.
- 5.9 One to six camera sets can be connected to one local server (please refer also to 4.2).
- 5.10 Other Linux OS (Ubuntu) compatible software applications can be installed and operated on the local server.

- 5.11 The Contracting Authority requires that camera systems shall be remotely controlled/managed, including ANPR engines upgrades; the use of self-learning capabilities will be appreciated.
- 5.12 All fixed gates have AC (230V) and DC (24V) power supply.
- 5.13 Either 12/24 V DC or 230V AC from a converter or a stand-alone generator may be used to power the camera systems in the van.

Questions to suppliers:

- **Is it possible to collect/process all the above mentioned data with camera only or is it necessary to use additional equipment?**
- **Is it possible to reliably capture data of the standing vehicles (for example during a traffic jam etc.)?**
- **What mandatory tasks are required during the preventative camera systems maintenance?**
- **What are the average yearly operation and maintenance costs of the camera system as a % ratio to purchase price?**
- **Are the presumed technical conditions acceptable for you?**

6 EXPECTED TERMS AND CONDITIONS OF THE PUBLIC TENDER

- 6.1 The Contracting Authority shall require the supplier to meet the legal qualification requirements, namely:

- basic qualification (Sections 74 – 76 of the Act),
- professional competence (Section 77) and
- financial status (Section 78)

in a standard manner in accordance with the respective sections of the Act.

Technical qualification (Section 79 of the Act) of the supplier will be required to be represented by references and credentials from material contracts of similar kind, i.e. delivery and/or operation of the camera systems realized in the last 3 years.

- 6.2 Estimated criteria and method of bids evaluation.

The Contracting Authority considers the selection criteria to be a combination of the life cycle costs for 48 months and the quality of the product.

Part of the delivery shall be equipment and handles installation, cabling, connection and commissioning.

In order to assess the quality of the products offered, the contracting authority considers verifying their parameters by means of functional samples, which the Contracting Authority is considering to ask the supplier to provide within the framework of the public tender process.

The purpose of PMC is also to set transparent evaluation conditions. Suppliers' comments and proposals are welcome in this area.

- 6.3 General contractual terms and conditions of the Contracting Authority.

The Contracting Authority assumes to observe its standard business conditions, i.e. no advance payments and invoice maturity of 30 days.

The purpose of PMC is also to determine the possibility of supplier's project financing. Suppliers' proposals are welcome in this area.

Questions to suppliers:

- **Are the assumed general tender conditions acceptable for you?**
- **What else should the Contracting Authority consider before the ITT?**
- **What risks are, in your view, associated with the presumed public tender conditions?**

In Prague, on (see electronic signature)

Ing. Jan Chovanec, Ph.D.
director