



## **E-ELT/MAORY PROJECT**

### **PUBLIC NOTICE OF PRELIMINARY MARKET CONSULTATION FOR THE PREPARATION OF THE CONTRACT FOR THE SUPPLY OF OPTICAL COMPONENTS**

**(ART. 66 D. LGS. 50/2016 – ART. 40 DIRECTIVE 2014/24/EU)**

#### **1. SUBJECT**

INAF - Osservatorio Astronomico di Bologna (hereafter “contracting authority”) plans to carry out preliminary market consultations, under Art. 66 D. Lgs. 50/2016 (Art. 40 Directive 2014/24/EU), for the preparation of the contract for the supply of optical components for the E-ELT/MAORY project.

MAORY is an adaptive optics module for the future European Extremely Large Telescope (E-ELT), the 39-meter optical-infrared telescope which the European Southern Observatory (ESO) is building. MAORY will be installed at the E-ELT Nasmyth focal station and will feed the MICADO imager and a second science instrument as yet undefined.

MAORY includes a diffraction-limited optical relay (so called “post-focal relay”), which creates an image of the telescope focal plane for the science instrument.

The post-focal relay consists of the following parts.

1) Set of mirrors, either flat or with optical power, with the following approximate features:

Working wavelength range: 0.5  $\mu\text{m}$  – 2.5  $\mu\text{m}$

Diameter: 300 mm – 1200 mm

Optical surface (for powered mirrors): conic section, with possible aspheric terms

Optical axis configuration: centred or off-axis.

2) Dichroic beam-splitter, with the following approximate features:

Working wavelength range: 0.5  $\mu\text{m}$  – 2.5  $\mu\text{m}$

Spectral response: low-pass transmission with cut-off wavelength at 0.6  $\mu\text{m}$  or narrow band-pass at 0.589  $\mu\text{m}$

Diameter: 600 mm

3) Objective, made of mirrors and lenses, for focusing the laser guide stars, with the following approximate features:

Working wavelength range: 0.589  $\mu\text{m}$  – 0.633  $\mu\text{m}$

Mirror diameter: 400 – 800 mm

Lens diameter: 200 – 600 mm

Optical surface of mirrors: flat or with optical power (conic section)

Optical surface of lenses: flat or with optical power (spherical with possible conic section or aspheric terms).



The contract for the supply of the optical components might also include the supply of the mounts and/or the mounting and pre-alignment of the optical components in their mounts.

In the preliminary market consultation, interested companies will receive specific technical inquiries for the purpose of a better planning of the procurement procedure, which reconciles the demands of the contracting authority and the framework of the reference market. Specifically, this consultation is aimed at acquiring data and documentation for a correct technical and economical evaluation of the supply, concerning feasibility, production time and value to put under the tender.

The preliminary market consultation is not aimed at awarding any contract.

## **2. PARTICIPATION REQUIREMENTS**

Any economic operator working in the specific market may take part in this preliminary market consultation.

Interested economic operators will have to submit their expression of interest. Deadline and procedures for the submission are described below.

## **3. SUBMISSION OF EXPRESSION OF INTEREST**

The economic operators who are interested in participating in the preliminary market consultation must submit their expression of interest according to the template attached to this notice (Attachment) accompanied by a description of their business (e.g. list of past supplies, brochures explaining their own technic skills, etc.) by **5 September 2016** in one of the following ways, alternatively:

- by Certified Electronic Mail (PEC) to the address [inafoabologna@pcert.postecert.it](mailto:inafoabologna@pcert.postecert.it)
- by e-mail to the address [maory.procurement@oabo.inaf.it](mailto:maory.procurement@oabo.inaf.it)

In case of submission by e-mail, the contracting authority will return an e-mail acknowledgement containing the reference number assigned to the expression of interest. In case of submission by PEC the delivery receipt generated by the system is the proof of receipt by the contracting authority.

The expressions of interest shall be signed by the legal representative or by any other subject who has power of representation of the economic operator with digital signature or with analogue signature. In case of the analogue signature, a copy of a valid identity document of the subscriber shall be added.

In the expression of interest the economic operator shall indicate an e-mail address or a PEC address for all communications concerning this procedure.

## **4. CONSULTATION OF ECONOMIC OPERATORS**

The consultation of the economic operators that will have submitted their expression of interest will take place through a two-step process between the contracting authority and the economic operators:

- dispatch to the economic operators of technical documentation outlining the supply to be carried out, indicating the aspects which require inputs from the economic operators;



- receipt of suggestions and indications from the economic operators. The economic operators shall indicate the parts of information and/or parts of the technical documentation which are covered by technical and trade secret; the contracting authority will not share or disseminate this content.

The consultation may be split into several technical dialogues, possibly with different timings, on specific aspects of the contract under study.

## **5. FINAL PROVISIONS**

The preliminary market consultation does not imply for the contracting authority any commitment regarding opening of the tendering procedure, and the missing participation does not preclude in any way the participation in the following invitation to tender, in case it is issued.

The contracting authority may stop, suspend or withdraw the preliminary market consultation at any time and without incurring any liability.

The participation in the preliminary market consultation does not qualify for any remuneration or refund.

All information and data acquired during the consultation will be collected and processed by the contracting authority following the existing legislation, exclusively for the purposes inherent in the following tendering procedure.

This notice is published, in Italian and in English, on the institutional website of the contracting authority and on the institutional website of the E-ELT/MAORY project.

## **6. RESPONSIBLE OFFICIAL AND INFORMATION**

The responsible for this procedure is Emiliano Diolaiti, e-mail [emiliano.diolaiti@oabo.inaf.it](mailto:emiliano.diolaiti@oabo.inaf.it).

Further information or clarifications about this notice may be requested by e-mail to the address [maory.procurement@oabo.inaf.it](mailto:maory.procurement@oabo.inaf.it).

Bologna, 19 July 2016