



## **MARKET SURVEY ANNOUNCEMENT**

**Negotiated procedure following art. 36, Par. 2, b) letter of the Decree Law n. 50/2016 (Public Contracts Code) – Supply of a solar radio spectropolarimeter for the continuous monitoring of solar radio emissions in the frequency band 1-19 GHz.**

The INAF-Astronomical Observatory of Trieste undertakes a market survey in order to identify the largest number of Economical Operators to invite to a negotiated procedure concerning the supply of a **solar radio spectropolarimeter** with an estimated value of € 95.000,00 net of value-added tax (VAT).

The market survey does not entail any insurance on the following awarding of the contract.

### **TECHNICAL SPECIFICATIONS:**

- 3 m solid reflector dish with left- (LCP) and right-handed circular polarization (RCP) feeder;
- Computer-controlled alt-az mounting with pointing precision and accuracy suitable to scan imaging both of radio Sun and non-solar radio sources;
- Heavy duty antenna system:
  - Capable to cope with severe meteorological conditions (survival to wind gusts faster than 100 km/h, safe operation at 80 km/h or higher; operating temperature range from -15 to +35 °C; survival to formation of ice layers)
  - Suitable to be installed at the top of a building roof
- Software-programmable attenuation and calibration systems
- Dual-channel solar radio spectropolarimeter, operating in the 1-19 GHz frequency band with a bandwidth of 4 GHz;
- Programmable observing modes to allow radio imaging, radio spectra of selected frequency bands, and radio observations at selected single frequencies, in both polarisation channels and in automatic mode;
- Software-programmable, high-speed data acquisition and storage system;
- Automatic pointing and tracking of both radio Sun and non-solar radio sources,
- Capability to carry out polarimetric observations both of radio Sun and non-solar radio sources



- The system must be scientific-grade
- The provider is requested to be available to carry out modifications to system control and data acquisition software when required by specific scientific needs

#### **SHIPMENT, INSTALLATION, TRAINING, AND COMMISSIONING:**

- Turn-key shipment, installation, training and commissioning at the Basovizza Observing Station of INAF-Astronomical Observatory of Trieste

#### **REQUIREMENTS OF THE ECONOMICAL OPERATORS:**

The subjects interested to participate:

- must not be in the conditions reported in Article 80, Par. 1, 2, 4 and 5 of the Decree Law n. 50/2016
- must satisfy the professional qualifications requirements of Article 83, Par. 3 of the Decree Law n. 50/2016
- must comply to the requirements of the Law n. 136/2010 on the traceability of financial transactions involving public funds

The Economical Operators wishing to send their expression of interest are required **to send their declaration using the attached format**, undersigned by the legal representative and submitted with a copy of a valid identity document of the subscriber, **to the following e-mail address: [inafgareoatrieste@legalmail.it](mailto:inafgareoatrieste@legalmail.it) NOT LATER THAN 15 April 2019.**

The present announcement will be published:

- On the INAF – National Institute for Astrophysics – Central Office website [www.inaf.it](http://www.inaf.it);
- On the INAF - Astronomical Observatory of Trieste website [http://www.oats.inaf.it/index.php/it/2014-09-12-11-41-37/ammin\\_trasparente.html](http://www.oats.inaf.it/index.php/it/2014-09-12-11-41-37/ammin_trasparente.html);
- On the MIT Ministry for Infrastructures and Transports – Servizio Contratti Pubblici website <https://www.serviziocontrattipubblici.it/SPInApp/>;
- On the TED Tenders Electronic Daily – Supplement to the Official Journal of the EU website [http://simap.europa.eu/index\\_it.htm](http://simap.europa.eu/index_it.htm);

**INAF**



ISTITUTO NAZIONALE DI ASTROFISICA  
OSSERVATORIO ASTRONOMICICO DI TRIESTE

for 15 days.

Responsible of the tender procedure (RUP)

Prof. Mauro Messerotti

e-mail: [mauro.messerotti@inaf.it](mailto:mauro.messerotti@inaf.it)

Phone n.: (+39) 0403199342

Administrative Office

Dr. Giulia Manca

e-mail: [giulia.manca@inaf.it](mailto:giulia.manca@inaf.it)

Phone n. (+39) 0403199215

---

Dr. Giovanni Vladilo

Director of the INAF - Osservatorio Astronomico di Trieste

March 29, 2019