
PUBLIC CALL

INVITATION TO PARTICIPATE TO THE PRELIMINARY MARKET CONSULTATION EX ART 66 and 67 OF D.LGS 50/2016

PREPARATORY

TO THE START-UP OF AN OPEN PROCEDURE OF COMPETITIVE DIALOGUE EX ART. 64 OF D.LGS 50/2016 NAMELY OF A PARTNERSHIP FOR INNOVATION EX ART. 65 OF D.LGS 50/2016 FOR THE ACQUISITION OF

“CRIOGENIC ETHERODY RECEIVER OPERATING IN THE FREQUENCY BAND 70-116 GHZ” 

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1. Context and object of the notice

On 12 May 2018 a pre-information notice has been published concerning the planned publication of several tenders for the acquisition of multiple supplies, systems and equipment functional to guarantee the upgrading of the Sardinia Radio telescope (SRT), grouped together in 9 (nine) separate realization goals.

The purchase initiatives are linked to INAF's obtaining of a loan requested from the Ministry of Education, University and Research (MIUR) with reference to the "Notice for the granting of funding aimed at strengthening research infrastructures, in implementation of Action II.1 of the PON Research and Innovation 2014-2020 "(hereinafter also referred to as "notice"), referred to in the note MIUR prot. n. 424 of 28.2.2018.

In such context, this notice refers to the objective n°1, which involves the acquisition of a cryogenic heterodyne receiver, operating in the 70-116 GHz frequency band, composed of at least 25 feeds with double circular polarization with Orthomode Transducer and cryogenic amplifiers MMIC low noise (LNA).

Further details on the technical and functional characteristics required are contained in **Annex A - top level technical requirements** - to this notice. Additional information including some photos of the existing receiver cabin, and the mechanical drawings of the Gregorian focus rotating turret) is available at: <https://SRT.PON.Mbeam-3mm-receiver> □

The estimated amount of the supply, at the moment indicative and not binding for the Contracting Authority (CA), is equal to 2,850,000 euros, plus VAT.

2. Purpose and characteristics of the market consultation

This notice is **aimed exclusively at receiving expressions of interest**, according to art. 66 and 67 of Legislative Decree No. 50/2016 and in compliance with the principles set out in Articles. 30 paragraph 1 of the aforementioned decree, **to encourage the participation and the consultation** of the largest number of potentially interested parties then to participate to the following procurement procedure.

This consultation is carried out on the basis of the general principles of economy, effectiveness, impartiality, equal treatment, transparency, proportionality, publicity and environmental protection.

The market consultation, taking also into account the marked innovative and technological connotation of the supply, has therefore **the sole purpose of acquiring** - from the interested operators - **knowledges and technical and/or organizational solutions, reports, data and information**, that can be functional to the CA to plan the next tender procedure, in order to meet the aims and the needs of the administration, in accordance with the available resources and the real potential of the market offer.

With this notice, therefore, no bankruptcy or insolvency procedure is called for and **no worth ranking or scoring is required**; the notice does not constitute a contract proposal, nor does it constrain for this only this Institution to carry out the subsequent tender procedure.

The expression of interest by the economic operators and the participation in the market consultation in any way do not constitute expectations or rights for the participants about the participation in the subsequent tender procedure and therefore do not determine the establishment of legal positions or negotiating obligations. or restrictions to INAF.

Therefore, the participant to the consultation procedure will not obtain any advantages of any kind, in the performance of the subsequent selection procedure. On the other hand, the

invited subjects are always free not to join the consultation, without compromising their possible future participation in the tender procedure.

The contracting authority may interrupt, suspend or revoke the market consultation without incurring liability. The contracting authority therefore reserves the right not to proceed with the indictment of any subsequent procurement procedure. In this case no compensation is due to the participants in the market consultation

3. Specific aims of the market consultation

In this context, the consultation of the market is therefore functional to achieve the **following specific aims**:

- a) verify the technical ability and willingness of individual operators to **guarantee the entire supply**, or **only parts** thereof;
- b) verify the potential **availability of the operators to join together**, in order to guarantee to INAF the realization of the entire supply;
- c) acquire the elements and information necessary to define **the professional technical competence requirements** that may favor the maximum participation of operators in the pre-qualification phase of the subsequent procurement procedure;
- d) acquire the elements and information necessary to identify the possible requirements and criteria - technical, functional and performance - for the evaluation of offers in the tender procedure, in order to promote the maximum competition of the companies.

According to the feedbacks received from the market and their subsequent evaluations, INAF will evaluate which procurement procedure will be used for the selection of the contractor (competitive dialogue or innovation partnership). The specific general requirements, technical and professional ability and/or financial nature, for the participation in the subsequent call for tenders, will be defined, in view of what will

emerge from the present market consultation, also in order to ensure maximum competition and participation of operators.

4. Procedural requirements

The market consultation is organized in two phases:

- a) Presentation of the application for expression of interest; by February 19, 2019
- b) First market consultation event; February 20, 2019
- c) Second market consultation event (TBC): March 20, 2019

4.1 Application for expression of interest

All the subjects, Italian or foreign, potentially interested and / or able to provide the requested information are allowed to send the expression of interest and to participate in the preliminary market consultation.

The expression of interest must be drawn up in compliance with Annex 2 and must be signed digitally, or signed, accompanied by the identity document. Annex 2 provides for the completion of a specific questionnaire, which must be completed.

Furthermore, the operators have the right to send in writing any further technical contributions that may be considered of interest for the purposes of this market consultation. The contributions provided may not contain economic offers or contract proposals. It should be noted that participation in the market consultation and any technical contribution of the operators are provided free of charge, without the right to reimbursement of expenses.

This technical contribution can be provided:

- a) in attachment to the application for expression of interest
- b) at the market consultation event
- c) within 20 calendar days from the date of the event.

The subjects participating to the consultation should indicate whether the contributions provided contain information, data or documents protected by the rights of the patent or in any case disclosing business, commercial or industrial secrets, as well as any other information useful to reconstruct the position of the subject in the market and the competence of the subject in the field of activity referred to in the consultation.

The expressions of interest must be sent to the following e-mail pec xxxx no later than February 19, 2019 and include the words "Preliminary market consultation - purchase of a cryogenic receiver for the SRT". Eventuali richieste di chiarimento dovranno essere inviate alla medesima pec.

For organizational reasons, interested operators are invited to communicate their interest in participating in the next consultation event, indicating the names and roles of the participants.

4.2 Public event of market consultation

The event will be held on Wednesday February 20, 2019, at INAF-Cagliari Astronomical Observatory (OAC) premises, SELARGIUS (CA), Via della Scienza n. 5, Italy.

Goals of the meeting

- A. Pre-alert and inform the community about the PON grant and possible forthcoming call for tender open to all contractors interested in bidding for the design and delivery of the receiver.
- B. Present the top-level instrument requirements and the various project aspects: technical, financial and scheduling, including possible Workpackages structure, interfaces (mechanical, electrical, M&C, etc), system integration, system characterization, system performance verification, antenna installation, spare parts, etc.;
- C. Discuss a possible collaboration among institutions towards setting up of a consortium;
- D. Visit the Sardinia Radio Telescope site and access the Gregorian focus, where the

3 mm mbeam receiver shall be installed.

Preliminary agenda:

- Morning (9h30am-12h30pm CET) at INAF OAC HQ in Selargius (CA), via della Scienza n. 5: presentation and discussions (of points A, B and C);
- Traveling towards the Sardinia Radio Telescope site and lunch (12h30pm-3h00pm CET);
- Afternoon (3h30pm-5h30pm) at the Sardinia Radio Telescope (Pranu Sanguni, sp 25, 09040 San Basilio (SU)): visit of the antenna and of the annexed infrastructures (point D);

Participation to the morning session will be possible through remote connection via videoconference (for those who cannot attend in person). The videoconference details will be communicated in due time. □

The purpose of the event is to illustrate, within the limits of what is possible to communicate from the contracting authority in the preliminary and provisional design phase of the initiative, the strategic goals pursued, the scope, value and complexity of the interventions, the type of supplies and services requested, the path and procedural and operational timeline.

In compliance with the art. 67 of Legislative Decree 50/2016, the public event represents the intervention and the measure adopted by the contracting authority aimed at preventing that the information, in any way and in any form provided during the consultation phase, will imply an infringement to the principles of competition, equal treatment, non-discrimination.

For information and information purposes only, the Contracting Authority reserves the right to make television, photographic and/or audio recordings. This material may be published on the institutional website of INAF or conveyed via web channels. For this reason, participants must sign the release form, drawn up according to the diagram in appendix 3.

5. Advertising

This notice is published on the institutional website of INAF, in the section "Transparent Administration",, www, in compliance with the principles of publicity, non-discrimination, equal treatment.

6. Privacy protection

According to EU Regulation 2016/679 called "European Data Protection Regulation" (GDPR), the personal data collected with this procedure will be processed using the methods and purposes described below. In compliance with the provisions of the Regulations, we hereby communicate that:

- pursuant to article 13 and 14 of the 2016/679 European Regulation, for the Contracting Authority, the data controller is identified with the dott.,;
- the Data Protection Officer responsible for INAF's is xxxxx xxxxx.

Personal data (first name, last name, place and date of birth, email address, etc.) provided by the economic operator are processed for purposes related to the implementation of the procedure issued by the Contracting Authority.

Under the law, the processing of personal data shall be understood as any operation or set of operations, performed with or without the aid of electronic or automated means, with regards to the collection, registration, organization, storage, processing, modification, selection, extraction, comparison, use, interconnection, blocking, communication, dissemination, deletion and distribution of data.

The Contracting Authority ensures that the processing of data will be carried out through the use of appropriate procedures that avoid the risk of loss, unauthorized access, illegal use and dissemination, in compliance with the limits and conditions set in EU Regulation 2016/679.

The data collected will not be disclosed and will not be communicated without explicit consent, except for the necessary communications that may involve the transfer of data to public institutions, consultants or other subjects for the fulfillment of legal obligations and for normal activities related to the implementation of the procedure.

The subjects who can become aware of the personal data of the user as managers or agents (according to Article 13 Paragraph 1 of the GDPR) are:

- The Data Controller
- The personnel of the Data Controller, for the completion of the phases of the procedure and the possible management of the contract.

The collected data will be entered in the company database and kept for the duration of the proceedings, after which they will be deleted or made anonymous within the time established by the law.

If the withdrawal of consent to specific treatment intervenes, the data will be deleted or made anonymous within 72 hours of receipt of the revocation. Pursuant to Art. 13, paragraph 2, letter (f) of the Regulations, we inform that all data collected will not be subject to any automated decision process, including profiling.

Users can always exercise the rights specified in the articles 13 (Comma 2), 15, 17, 18, 19 and 21 of the GDPR, summarized here in the following points:

- the data subject has the right to obtain confirmation of the existence of data concerning him/her, even if not yet communicated, and to have their communication in an intelligible form;
- the interested party has the right to ask the Data Controller to access personal data, to integrate it, to correct it, to cancel it or limit the processing of the data or to oppose its processing, in addition to the right to data portability;
- the interested party has the right to lodge a complaint with the Guarantor for the protection of personal data, following the procedures and indications published on the official website of the Authority on www.garanteprivacy.it. The exercise of rights is not subject to any form constraint and it is free.

By participating in the procedure the consent to the processing of personal data referred to in the previous points is intended to be issued.

Users can exercise their rights at any time by sending an email to the PEC address or by writing to: INAF,

Personal data collected pursuant to Regulation (EU) 2016/679 of the Parliament and of the Council of 27 April 2016, will be processed exclusively for the activities strictly necessary to carry out the procedure in question

7. Responsible for the procedure

The person responsible for the procedure is dott. Ignazio Enrico Pietro Porceddu, head of the INAF Procurement Area - Cagliari Astronomical Observatory.

Annexes for participation in the expression of interest and market consultation:

- Annex 1 - **Description of the supply**
- Annex 2 - **Application for expression of interest and survey**
- Annex 3 - **License for the treatment of images**