

## **REGULATIONS**

**for**

**Open Procedure**

**“Development, Production, Delivery and Installation of Low Noise-Level  
Solar Spectral Polarimeter”**

**Identification No. VeA 2019/7**

2019

## 1. GENERAL INFORMATION

### 1.1. Contracting Authority:

Contracting Authority name:	Ventspils University of Applied Sciences
Address:	Inženieru Street 101, Ventspils, Latvia, LV-3601
Registration number:	90000362426
Phone number:	+371 63628303
Fax number:	+371 63629660
E-mail address:	venta@venta.lv
Internet address:	<a href="http://www.venta.lv">www.venta.lv</a> ; <a href="http://www.virac.eu">www.virac.eu</a>
Buyer's profile for purchases:	<a href="http://www.eis.gov.lv/EKEIS/Supplier/Organizer/452">www.eis.gov.lv/EKEIS/Supplier/Organizer/452</a>
Contact person:	Regarding Procurement Regulations - Raivo Šteins, lawyer at Ventspils University of Applied Sciences, phone no. +371 63628303, e-mail: raivo.steins@venta.lv; * Regarding Technical Specifications procurement, Ventspils University of Applied Sciences Deputy Director of ERI VIRAC Dainis Plūme, e-mail address: dainis.plume@venta.lv
Bank:	State Treasury of Latvia
Bank Identification Code:	TRELLV22X
Bank account number:	LV51TREL913018105800B

1.2. Procurement identification number: VeA 2019/7.

1.3. Procurement procedure - ensuring delivery of goods in accordance with open procedure provisions (hereinafter referred to as "Procurement") of the Public Procurement Law (hereinafter referred to as "Law"). The Procurement is made within the framework of the ERDF project "Stage 3 of Modernization of the Irbene Radio Telescope Complex", No .1.1.1.4/17/I/010.

1.4. The Tenderer is a supplier - a natural or legal entity or a Contracting Authority, an association of such persons in any combination that accordingly offers construction work, delivery of goods or service provision to the market and who is registered in the Electronic Procurement System (hereinafter referred to as "EPS") and has submitted a tender for the EPS e-contest subsystem (hereinafter referred to as "Tenderer").

1.5. The subcontractor is a person contracted by the Tenderer or a contracted person thereof performing construction work or providing services for performing the Procurement contract (hereinafter referred to as "Subcontractor").

1.6. CPV Code – 42990000-2 (Miscellaneous Special Purpose Equipment.).

1.7. The Procurement documents consist of Procurement Regulations and their annexes (hereinafter referred to as "Procurement Documents"):

1.7.1. Technical Specifications (Annex 1);

1.7.2. Tenderer's Application – Financial Offer Form (Annex 2);

1.7.3. Draft Agreement (Annex 3);

1.7.4. Proof of Experience (Annex 4)

- 1.8. The Contracting Authority shall provide free and direct electronic access to the Procurement Regulations and all additional necessary documents on the EPS website: <https://www.eis.gov.lv/EKEIS/Supplier/Procurement/22458> , as well as allow interested suppliers to become acquainted with the Procurement Documents at the Contracting Authority's address.
- 1.9. The Tenderer may register as a beneficiary of the Procurement Regulations in the EPS sub-system of this Procurement section if they are registered as a supplier in the EPS<sup>1</sup>.
- 1.10. The Contracting Authority is entitled to make amendments to the Procurement documents according to the cases and procedure prescribed by the Law.
- 1.11. The Contracting Authority shall place explanations and additional information or answer questions of interested suppliers on the website <https://www.eis.gov.lv/EKEIS/Supplier/Procurement/22458>, as well as send an answer to the interested supplier who has requested additional information on the Procurement Documents in the time and manner as specified in Section 36, Paragraph two of the Law.
- 1.12. The exchange of information between the Contracting Authority and interested suppliers shall take place in accordance with Section 38, Paragraphs one and two of the Public Procurement Law.
- 1.13. Any natural or legal entity, an association of such persons in any combination thereof, who accordingly offers to design, manufacture, supply and install such equipment on the market, is eligible to participate in the Procurement “Development, Production, Delivery and Installation of Low Noise-Level Solar Spectral Polarimeter”.
- 1.14. **Subject of Procurement:**
  - 1.14.1. Development, Production, Delivery and Installation of Low Noise-Level Solar Spectral Polarimeter at VIRAC Radio Telescope RT-32 (CPV code – 42990000-2 (Miscellaneous Special Purpose Equipment)).
  - 1.14.2. The Procurement is not divided into parts.
  - 1.14.3. The Tender shall be prepared in accordance with the Procurement Conditions. Each Tenderer may submit only one tender in one version. Tenderers who submit multiple tenders or tenders in several versions shall be excluded from further participation in the Procurement procedure.
  - 1.14.4. As a result of the Procurement procedure, the Procurement contract (hereinafter referred to as “Contract”) shall be signed in accordance with the Draft Agreement (Annex 3).
  - 1.14.5. The advance payment amount shall not exceed 50% (fifty percent) of the contract price offered.
  - 1.14.6. The total amount of advance and interim payments shall not exceed 80% (eighty percent) of the contract price offered. The interim payment shall be paid after the equipment has been successfully tested and the testing

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<sup>1</sup> For information on how an interested supplier can register as a Procurement Regulations recipient, see: <https://www.eis.gov.lv/EIS/Publications/PublicationView.aspx?PublicationId=883>

acceptance certificate has been signed.

- 1.14.7. **Location of Contract performance:** Radiotelescope RT-32, Viraki, Ance Parish, Ventspils Municipality.
- 1.14.8. The Tenderer is entitled to carry out inspection of the object by agreeing with the Contracting Authority's contact person in advance.

1.15. **Term of Contract Performance:**

- 1.16. Within 13 (thirteen) months from the effective date for full performance of the Contract;
- 1.17. The Procurement procedure is ensured by the Procurement Commission of Ventspils University of Applied Sciences (hereinafter referred to as "Commission"). **Opening tenders: 2:00 PM on June 26, 2019 on the EPS e-tender subsystem, [www.eis.gov.lv](http://www.eis.gov.lv).** Opening submitted tenders online can be followed on the EPS e-contest subsystem.

## 2. PREPARATION, PRESENTATION AND SUBMISSION OF TENDERS

- 2.1. **Tenders must be submitted by 2:00 PM on June 26, 2019 on the Electronic Procurement System's e-contest subsystem at [www.eis.gov.lv](http://www.eis.gov.lv).**
- 2.2. Tenders submitted outside the EPS e-contest subsystem shall be declared non-compliant with the Procurement requirements.
- 2.3. Tenderer applications received outside the EPS e-contest subsystem shall not be opened and are returned to the tenderer unopened.
- 2.4. The Tenderer shall cover all costs related to the preparation and submission of the tender. The Contracting Authority shall not be liable for these costs, regardless of the outcome of the Procurement.
- 2.5. The Tender must be submitted electronically to the EPS e-contest subsystem using the tools provided by the e-contest subsystem and by filling out the forms available in the Procurement section of the aforementioned system.
- 2.6. An electronically prepared tender can be encrypted with data protection tools (protected by an electronic key and password). In this case, the Tenderer is responsible for opening and reading the document - the Tenderer must submit a valid electronic key and password for opening the encrypted document within the specified time period (no later than 15 minutes after commencing opening of tenders).
- 2.7. When preparing the tender, the Tenderer shall bear in mind that:
  - The tender form, technical and financial offer must be filled out only electronically in a separate electronic document, in a format readable with Microsoft Office 2010 (or later software version) tools;  
  
When drawing up a tender in Microsoft Excel/Word format according to the forms published in the EPS e-contest subsystem's procurement section by filling in rows, cells and columns, the Tenderer shall not make any changes to the structure of the aforementioned form (does not delete / add rows, columns and cells, does not change calculation formulas in rows or columns).
  - When submitting a tender, the Tenderer signs the tender with an electronic

signature provided by the EPS. The tender shall be signed by the person entitled to represent the Tenderer. In case the tender is signed by a person authorized by the Tenderer, a power of attorney must be attached to the tender;

- The Tenderer is entitled to submit other documents in electronic format at their discretion, both by signing the electronic signature provided by EPS and by signing it with a secure electronic signature.
- 2.8. When submitting a tender, the Tenderer fully accepts all the terms and conditions contained in the Procurement Regulations (including its annexes and forms which are included in the EPS e-contest subsystem in this section of the Procurement).
  - 2.9. The tender must be prepared such that operation of the EPS e-contest subsystem is not compromised in any way and access to information contained in the tender is not restricted, furthermore, files attached to the tender must not be damaged, inappropriately modified or incorrectly encrypted, the tender must not contain computer viruses and other harmful programs or their generators. If the tender contains any of the risks mentioned in this paragraph, it shall not be reviewed.
  - 2.10. The documents included in the tender and their formatting must comply with the Law on Legal Force of Documents and the Cabinet of Ministers Regulation No. 558 “Procedures for the Preparation and Drawing Up of Documents”, as well as the provisions of Section 10, Paragraph three of the State Language Law.
  - 2.11. The Tenderer’s application and all documents attached to it shall be drawn up in Latvian. Documents submitted in other languages must be accompanied by a translation of these documents into Latvian, which has been certified by the Tenderer. In case of inconsistencies, translations of the original documents in Latvian shall be used as basis.
  - 2.12. Copies of documents and translations of documents must be certified by a person with the right of representation for the Tenderer, the association of suppliers or a member of the association of suppliers or by their authorized representative (with the power of attorney attached).

### **3. SELECTION AND QUALIFICATION REQUIREMENTS AND DOCUMENTS FOR SUBMISSION**

<b>No..</b>	<b>Requirements for tenderers</b>	<b>Documents for submission</b>
3.1	The Tenderer, member of an association of suppliers, if the Tenderer is an association of suppliers, a subcontractor specified by the Tenderer whose services are worth at least 10 per cent of the total contract value, or a person indicated by the Tenderer who relies on their abilities are exempt from the rules of excluding tenderers as specified in Section 42, Paragraph one of the Public Procurement Law.	<p>The Contracting Authority’s representative shall carry out an inspection in accordance with the provisions of Section 42 of the Law.</p> <ul style="list-style-type: none"> <li>• A member of a partnership, if the Tenderer is a partnership, is subject to the provisions of Section 42, Paragraph one, Clauses 1, 2, 3, 4, 5, 6 or 7 of the PPL.</li> <li>• The subcontractor specified by the Tenderer, whose work or services to be performed are worth at least 10 per cent of the total contract value, shall be</li> </ul>

		<p>subject to the provisions of Section 42, Paragraph one, Clauses 2, 3, 4, 5, 6 or 7 of the PPL.</p> <ul style="list-style-type: none"> <li>The person specified by the Tenderer, who relies on their capabilities to certify that their qualification complies with the requirements specified in the contract notice or procurement procedure documents, shall be subject to Section 42, Paragraph one, Clauses 1, 2, 3, 4, 5, 6 or 7 of the PPL.</li> </ul> <p>If the Tenderer or a partnership member, if the Tenderer is a partnership, complies with the exclusion rule prescribed in Section 42, Paragraph one, Clauses 1, 3, 4, 5, 6 or 7 of the PPL, the Tenderer shall indicate it in the tender and if it is recognized as to whom the contract should be awarded, an explanation and evidence shall be submitted in accordance with Section 43 of the Law.</p> <p>Subject to the provisions of Section 43, Paragraph two of the Law, if a tenderer or a partnership member, if the tenderer is a partnership, is subject to the exclusion rule referred to in Paragraph one, Clauses 1, 3, 4, 5, 6 or 7 of the Law, the Tenderer shall indicate it in the tender and, if it is recognized as to whom the contract should be awarded, they shall submit a clarification and proof of compensation for the damages or a signed agreement on paid damages, cooperation with investigating authorities and technical, organizational or human resource management measures taken in order to prove their reliability and prevent the recurrence of identical and similar cases in the future.</p> <p>The Tenderer must not be a legal entity or an association of persons registered <b>offshore</b><sup>2</sup>:</p> <ul style="list-style-type: none"> <li>The Contracting Authority shall</li> </ul>
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<sup>2</sup> Offshore area - a low-tax or tax-free country or territory within the meaning of the Enterprise Income Tax Law, excluding Member States of the European Economic Area or their territories, member states or territories of the World Trade Organization Agreement on Government Contracts and countries or territories with which the European Union or Latvia have concluded international agreements on opening the market for public procurement, Cabinet of Ministers 07.11.2017 Regulation No. 655 "Regulations for Low-Tax or Tax-Free Countries and Territories".

		<p>exclude the Tenderer from participation in procurement if the Tenderer is a legal entity or association of persons registered offshore.</p> <ul style="list-style-type: none"> <li>• The Contracting Authority shall exclude the Tenderer from participation in the procurement if the owner or holder of more than 25 percent of their capital shares (shares), who is registered in Latvia, is a legal entity or association of persons registered offshore.</li> </ul> <p><u>When submitting a tender, the Tenderer shall attach a statement that they do not have share owners or shareholders with more than 25% of shares who are registered offshore.</u></p> <ul style="list-style-type: none"> <li>• The Contracting Authority shall exclude the Tenderer from participation in the procurement if any of the subcontractors indicated by the Tenderer whose work or services to be performed are worth at least 10 per cent of the total contract value, or if any of the persons on whose capabilities the tenderer is reliant on is an offshore legal entity or association of persons.</li> <li>• In order to verify that the tenderer cannot be excluded from participation in the contest according to the conditions described in Section 42, Paragraph one, Clauses 12, 13 and 14 of the Law, the Contracting Authority, as well as the Supplier, shall use the information system specified by the Cabinet of Ministers in respect of a person registered in Latvia and retrieve information from the Enterprise Register;</li> <li>• The Tenderer may not take measures for restoration of credibility in accordance with Section 43 of the Law on cases of exclusion referred to in Section 42, Paragraph one, Clauses 12 and 13 of the Law.</li> </ul>
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3.2	<p>The Tenderer - a legal entity (in case of an association of persons - each of its members) must be registered in the Commercial Register of the Republic of Latvia or registered in accordance with the requirements of the legislation of the country of registration or domicile, if required by the laws and regulations of the respective country. If the Tenderer is a natural person, they must be registered as an economic operator.</p>	<p>The Tenderer's registration shall be checked by the contracting authority in the Commercial Register of the Republic of Latvia using publicly available registers.</p> <p>An offshore Tenderer must submit documentation certifying the country of registration.</p> <p>The Tenderer, each member of a partnership or a member of an association of suppliers (if the tender is submitted by a partnership or an association of suppliers) must submit:</p> <ul style="list-style-type: none"> <li>the power of attorney issued by a person with the right of representation, if the documents submitted by the Tenderer, a partnership member, a member of a supplier association have been signed by a person without the right to represent the Tenderer, the partnership, the association of suppliers or its member.</li> </ul>
3.3	<p><b>The Tenderer</b> must have experience in the development, production, supply and installation of <b><u>at least 1 (one)</u></b> similar facility during the last three years (2016, 2017, 2018 and 2019 (before the deadline for tender submission)).</p>	<p>Confirmation that the Tenderer has experience in the development, production supply and installation of at least one (one) similar facility during the last three years (2016, 2017, 2018 and 2019 (before the deadline for submission of tenders)).</p> <p>Information shall be provided in accordance with Annex 4.</p>
3.4	<p>If the Tenderer is an association of suppliers, Clauses 3.1, 3.2 and 3.3 of the Procurement Regulations shall apply to each member of the association of suppliers. Sections 3.4, 3.5 and 3.6 of the Procurement Regulations are applicable to an association of suppliers as a whole.</p>	<p>The association of suppliers shall submit the documents in accordance with Section 3 of the Procurement Regulations.</p> <p>If the Tenderer is an association of persons, the association of persons shall submit a confirmation that, should the association of persons be determined the winner for this procurement, the association shall register the general partnership or the limited partnership within 10 (ten) working days from receiving the results or sign a cooperation agreement in accordance with the procedure prescribed in legal acts. Before signing the Contract, the association must establish a general partnership or a limited partnership while informing the Contracting Authority in writing, or sign a</p>



		partnership agreement, and one copy (original copy or copy, if the original is presented) must be submitted to the Contracting Authority.
3.5	Pursuant to the provisions of Section 49 of the Public Procurement Law, the Tenderer may submit the European Single Procurement Document (hereinafter referred to as “ESPD”) as initial evidence of compliance with the tenderer selection requirements that have been specified in the contract notice and procurement documents.	<p>Forms can be submitted pursuant to the European Commission's Implementing Regulation 2016/7 of January 2016 which establishes a standard form for a Single European Procurement Document available at: <a href="https://ec.europa.eu/tools/espd">https://ec.europa.eu/tools/espd</a> by filling out and submitting Annex 2.</p> <p>The form must be submitted for the Tenderer, as well as for each member of the association of suppliers, for each person whose capabilities the Tenderer relies on to certify that their qualification complies with the requirements set out in the contract notice or procurement documents, as well as for each specified subcontractor whose of work or services to be provided is at least 10 per cent of the procurement contract value.</p> <p>When preparing the ESPD form, the Tenderer shall supplement the information contained in section D, Paragraph three of the ESPD form, “Other Reasons for Exclusion which may be Prescribed in Legal Acts of Contracting Authorities or the Contracting State” by including information on Paragraphs one and two, Section 11.1 of the International and Latvian National Sanctions Law and Clauses 12-14 of Paragraph one of the Law.</p>
3.6	The Tenderer, a member of its management board or supervisory board, a person with representation rights or a procurator, or a person authorized to represent the activities of the Tenderer related to the branch or a member of the partnership, if the Tenderer is a partnership, or a subcontractor specified by the Tenderer, whose work or services to be provided are worth at least 10 per cent of the total contract value, or the person indicated	<p>The Contracting Authority reviews the existence of exclusion conditions on the website of the Ministry of Foreign Affairs of the Republic of Latvia.</p> <p>If the Tenderer, a member of their management board or supervisory board, a person with representation rights or a procurator, or a person authorized to represent the activities of the Tenderer related to a branch or a member of the partnership, if the Tenderer is a partnership, are subject to international or national</p>

	<p>by the Tenderer, whose capabilities the Tenderer relies on, shall not be subject to international or national sanctions or significant sanctions imposed by a member state of the European Union or the North Atlantic Treaty Organization affecting the financial and capital market interests. which affect performance of the contract.</p>	<p>sanctions or substantial sanctions imposed by a member state of the European Union or the North Atlantic Treaty Organization that affect the financial and capital market interests and which impede the performance of the contract, they should be excluded from participation in the contract award procedure.</p> <p>If a subcontractor specified by the Tenderer, whose work or services to be provided are worth at least 10 per cent of the total value of the contract, or the person indicated by the Tenderer, whose abilities the Tenderer relies on, are subject to international or national sanctions or sanctions imposed by a member of the European Union or the North Atlantic Treaty Organization that substantially affect financial and capital market interests and impede performance of the Contract, the Tenderer shall be excluded from participation in the contract award procedure, provided that the Tenderer has not replaced such a person within 10 working days after the date of issue or dispatch of the request in accordance with the procedure specified in Section 62 of the Law.</p>
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#### **4. TENDER OFFER**

The Tenderer shall prepare, draw up and submit a tender in accordance with the Procurement Regulations and the requirements established in annexes attached thereto, also in accordance with the Technical Specifications (Annex 1) and by filling out the Tenderer's Application - Financial Offer Form (Annex 2), Form of Designed Equipment List (Annex 4).

#### **EVALUATION AND SELECTION OF TENDERS**

- 4.1. The Contracting Authority shall examine and exclude the Tenderer from participation in the Procurement procedure if the conditions for exclusion in Section 42, Paragraph one of the Law are applicable to it, in accordance with Clause 3.1 of the Procurement Regulations.
- 4.2. The Contracting Authority shall check and exclude the Tenderer from participation in the Procurement procedure if it is subject to international or national sanctions or significant sanctions imposed by the European Union or the North Atlantic Treaty Organization that affect financial and capital market interests, which affect Contract performance in accordance with Clause 3.6 of the Procurement Regulations.
- 4.3. The Contracting Authority selects Tenderers according to the selection and qualification requirements and selects tenders that meet the requirements for further evaluation.

- 4.4. The contracting authority checks if tenders comply with the requirements specified in the procurement procedure documents, incl. Technical Specifications (Annex 1), and selects bids for further evaluation that meet the aforementioned requirements.
- 4.5. The Contracting Authority checks whether the tender contains arithmetic errors. If the Contracting Authority finds such errors, they shall correct these errors. The Contracting Authority shall notify the Tenderer of the correction of these errors and the corrected tender amount. When assessing the financial offer, the Contracting Authority shall take into account the corrections.
- 4.6. **The criterion for tender evaluation is the most economically advantageous tender in determining the lowest price.**
- 4.7. If at least 2 (two) bids are the same, the winner is chosen by lot. All tenderers are informed of the place and time of lots at least 3 (three) working days in advance.
- 4.8. The winner of an open procedure shall be the Tenderer who has submitted all the required documents, passed the qualification test, provided documental evidence of their proficiency and the ability to ensure performance of contractual obligations in the amount, term and quality stipulated in the Contract and is not subject to the exclusion rules established in Paragraph one, Section 42 of the Law, which the Contracting Authority shall verify pursuant to the procedure defined in Section 42 of the Law, and if they are also not subject to international or national sanctions or sanctions imposed by a Member State of the European Union or the North Atlantic Treaty Organization affecting contract performance and shall be recognized as the most economically advantageous tender in determining the lowest contract price.
- 4.9. If the Tenderer or a member of a partnership, if the Tenderer is a partnership, is subject to the exclusion rules defined in Section 42, Paragraph one, Clauses 1, 3, 4, 5, 6 or 7 of the Law, the Commission shall act in accordance with Section 43 of the Law.
- 4.10. If the Tenderer, who is declared to be the winner, withdraws their tender during its validity period or does not sign the contract within the deadline set by the Contracting Authority, the Commission shall decide, on the instructions of the Contracting Authority, on awarding the contract to the Tenderer who has offered the next lowest contract price, or the Contracting Authority decides on terminating the Procurement Procedure.

Prior to making a decision on awarding the procurement contract to the next Tenderer who has offered the lowest contract price, the Commission shall assess whether they can be considered to be one market participant together with the initially selected Tenderer who refused to enter into a procurement contract with the Contracting Authority. If the next Tenderer is considered to be one market participant together with the initially selected Tenderer, the Procurement Commission shall decide to terminate the procurement procedure without selecting any tender.
- 4.11. In the event that no Tenderer can be declared eligible because no tender complies with the requirements of the Procurement Documents, or no tender has been submitted, the Commission shall terminate the Procurement Procedure without determining a winner.
- 4.12. The Contracting Authority is entitled to terminate a previously announced Procurement Procedure if they have objective justification.

## 5. CONTRACT

- 5.1. The Contracting Authority shall sign a procurement contract with the selected Tenderer on the basis of their tender and in accordance with the provisions of the Procurement Documents, the Law and within the framework of the Draft Agreement (Appendix 3) of the project “Stage 3 of Modernization of the Irbene Radio Telescope Complex” No. 1.1.1.4/17/I/010.
- 5.2. The Contracting Authority reserves the right to not sign the Contract if the proposed contract price exceeds the Contracting Authority’s financial capacity or resources planned within the framework of the project “Stage 3 of Modernization of the Irbene Radio Telescope Complex” No.1.1.1.4/17/I/010.
- 5.3. If the Tenderer, who is declared winner of the Procurement Procedure, withdraws the tender or does not sign the Procurement Contract within the time specified by the Contracting Authority’s representative, the Commission shall consider the right to declare the Tenderer, who has offered the next lowest price, winner while bearing in mind Section 5.9 of the Procurement Regulations.

Rector of Ventspils University of Applied Sciences

Kārlis Krēslīņš

HARMONIZED:  
Lawyer of Ventspils University of Applied Sciences

Raivo Šteins

**TECHNICAL SPECIFICATIONS/ TEHNISKĀS SPECIFIKĀCIJAS**  
**"Development, Production, Delivery and Installation of Low Noise-Level Solar Spectral  
Polarimeter/ Zema trokšņu līmeņa saules spektrālā polarimetra izstrāde, ražošana, piegāde un  
uzstādīšana" id.nr. VeA 2019/7**

<b>Nr. p.k</b>	<b>Equipment/ Iekārta</b>	<b>Count / Skaitis</b>	<b>Minimal requirements/ Minimālās prasības</b>	<b>Tenderer's bid: according to specifications and model, if applicable/ Pretendenta piedāvājums: atbilstoši specifikācijas rādītājiem un modelis, ja attiecināms.</b>
1.	Zema trokšņu līmeņa saules spektrālais polarimetrs - Radio-astronomijas uztveršanas sistēma (RARS)/ Low noise solar spectral polarimeter - Radio astronomy receiving system (RARS)	1	<p><b>Radio-astronomijas uztveršanas sistēma sastāv no/ Package delivery</b>  <b>RARS consisting of:</b></p> <ul style="list-style-type: none"> <li>- termostatiski vadāms ieejas pastiprinātājs 1 gab/ thermostatically controlled input amplifier unit 1 pcs;</li> <li>- termostatiski vadāms daudzkanālu pastiprinātājs 1 gab/ thermostatically controlled multichannel amplifier unit 1 pcs;</li> <li>- Savienotājkabeļu komplekts 1 gab/ cable set 1 set.</li> </ul> <p><b>Mērķa prasības/ Purpose requirements</b>  RARS jānodrošina radioviļņu uztveršana, pakalpojumu joslu sadalīšana, pastiprināšana un atklāšana./ RARS should provide radio reception, allocation of service bands, amplification and detection.</p> <p><b>Vispārējās prasības/ General Requirements</b>  RARS iekārtām jāatbilst šādām vispārējām prasībām/ RARS equipment must meet the following general requirements:</p> <ul style="list-style-type: none"> <li>• Darba temperatūras diapazons/ Operating temperature range minus 30°C - + 40°C.</li> <li>• Uzglabāšanas temperatūras diapazons/ Storage temperature range minus 40°C - + 50°C.</li> <li>• Nekondensējošs relatīvais gaisa mitrums līdz/ Non-condensing relative air humidity up to 95%.</li> </ul> <p><b>Tehniskās prasības/ Technical requirements</b>  Darbības frekvences diapazons/ Operating frequency range 3,9 - 14,7 GHz  Maksimālais ieejas signāla līmenis/ Maximum input signal level - 40 dBm  Minimālais ieejas signāla līmenis/ Minimum input signal level - 80 dBm  Atsevišķi neatkarīgi kanāli dažādiem apstrādes procesiem/ Separate independent channels for processing various polarizations  ..... RCP, LCP  Ieejas pretestība/ Input resistance ..... 50 Ohm  Ieejas VSWR darbības frekvenču joslā/ Input VSWR within operating frequency band, max ..... 1.5.  * Kopējais jaudas pieaugums darbības frekvenču diapazonos, ne mazāks kā/ Overall power gain in the operating frequency ranges, not</p>	

less..... (60 ± 3) dB.

\* Līdzvērtīga trokšņa temperatūra, samazināta līdz ieejām, darba frekvenču joslā, ne vairāk kā/ Equivalent noise temperature, reduced to the inputs, in operating frequency band, no more than 400K.

Frekvenču kanālu skaits/ The number of frequency channels (Prov. const., RCP - 12, LCP-12) ..... 24.

\* Nepieciešamais kanālu frekvenču tīkls, proti: kanālu centrālās frekvences un kanālu joslas platumi ir doti 1. Tabulā/ The required frequency grid of channels, namely: the central frequencies of the channels and the channel bandwidths are given in Table 1.

Table 1.

Ch No.	Centrālā frekvence/ Central frequency, MHz	Joslas platums/ Band width, MHz Level - 3 dB	Piezīme/ Remark
1	4070	250	6.10%
2	4600	280	6.09%
3	5700	350	6.14%
4	6420	350	5.45%
5	6960	350	5.03%
6	7830	350	4.47%
7	8400	400	4.76%
8	9350	400	4.29%
9	9800	400	4.08%
10	10980	500	4.55%
11	11900	500	4.20%
12	14280	800	5.60%

\* Signāla apspiešana, kad kļūda no kanāla centrālās frekvences par 8%/  
Signal suppression, when mistuning from central frequency of channel by 8% ... - 30 dBc.

\* Jaudas palielināšanas regulēšanas diapazons katrā frekvences kanālā 15 dB ar soli 1 dB/ Power gain adjustment range in each frequency channel 15 dB with a step of 1 dB.

\* Trokšņa ģeneratora (NG) trokšņa temperatūra/ The noise temperature of the noise generator (NG) 5400000K.

\* Pagaidu zaudējums virzienam/ Transient loss of directional coupler - 27 dB.

\* Jaudas pieauguma koeficienta nevienlīdzība katrā frekvenču kanālā/  
Inequality of power gain ratio in each frequency channel  
.....± 2 dB.

Integrācijas laika konstante/ Integration time constant 25 ms.

Uztvērēja dinamiskais diapazons, ne mazāks kā/ Receiver dynamic range,  
no less than ..40 dB;

ADC ātrums/ ADC speed 64 kSPS

RARS jaudas prasības/ RARS Power Requirements:

- Barošanas spriegums/ Supply voltage .....

**Termostata prasības/ Thermostat requirements:**

Temperatūra jātur stabila vietā, kur termostata temperatūras sensors ir uzstādīts ar precizitāti ± 1 ° C, ja āra temperatūra mainās no mīnus 30 ° C līdz + 50 ° C. Termostata temperatūras kontrole jāveic ar temperatūras sensoru, kas ir neatkarīgs no kontrolieriem. Termostatam ir jābūt

		<p>līdzekļiem, lai diagnosticētu tā darbības traucējumus (strāvas, sprieguma, temperatūras sensori).</p> <p>The temperature should be kept stable at the place where the thermostat's temperature sensor is installed with an accuracy of <math>\pm 1^{\circ}\text{C}</math> when the outdoor temperature varies from minus <math>30^{\circ}\text{C}</math> to <math>+ 50^{\circ}\text{C}</math>. Thermostat temperature control should be carried out by a temperature sensor independent from controllers. The thermostat must have the means to diagnose its malfunctions (current, voltage, temperature sensors).</p> <p>** Amplitūda Fresnel objektīvs ar pirmo divu nepāra zonu pārklājumu (1. zona un 3. zona), kas jānovieto ne tuvāk par 50 cm no padeves elementa.</p> <p>Informāciju par darbības režīmu (apkure / dzesēšana / bezdarbība) un termostata darbības traucējumiem nosūta uz centrālo datoru, izmantojot PS-485 interfeisu.</p> <p>Amplitude Fresnel lens with overlap of first two odd zones (1st zone and 3rd zone) to be positioned not closer than 50 cm from the feed element.</p> <p>Information on the operation mode (heating /cooling /inaction) and thermostat malfunctions shall be transmitted to the central computer via the PS-485 interface.</p> <p><b>Piezīmes/ Notes:</b></p> <ol style="list-style-type: none"> <li>1. Pasūtītājs nodrošina Piegādātājam vienību kopējos izmērus un uzstādīšanas rasējumu./ The Customer provides the Contractor with the overall-connecting dimensions of the units and an installation drawing.</li> <li>2. Specifikācijas parametri, kas atzīmēti ar *, jāpārbauda pirms kopsapulces, un tos dokumentē ar iepriekšējiem testa protokoliem/ Parameters of the Terms of Reference, marked with *, shall be checked before the general assembly and are documented by preliminary test protocols.</li> <li>3. Pēc Pasūtītāja pieprasījuma **. Piegādātājam jānodrošina Fresnela objektīva un tā uzstādīšanas rasējuma kopējie izmēri./ At customer request **. Customer shall provide to Contractor overall-connecting dimensions of Fresnel lens and its installation drawing.</li> </ol> <p><b>5.Pielikums/ Appendix 5</b> – Termostatiski kontrolējamā ievades pastiprinātāja bloka diagramma./ Block Diagram of Thermostatically-Controlled Input Amplifier Unit.</p> <p><b>6.Pielikums/ Appendix 6</b> – Termostatiski kontrolējamo daudzkanālu pastiprinātāju bloka diagramma./ Block Diagram of Thermostatically-Controlled Multichannel Amplifier Unit.</p>	
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\_\_\_\_\_  
(position of authorized person/  
pilnvarotās personas amats)

\_\_\_\_\_  
(signature/ paraksts)

\_\_\_\_\_  
(Name, surname/Vārds, uzvārds)

\_\_\_\_\_, 2019

### TENDERER’S APPLICATION - FINANCIAL OFFER

By submitting this tender on behalf of the Tenderer, I apply for participation in the Procurement Procedure “**Development, Production, Delivery and Installation of Low Noise-Level Solar Spectral Polarimeter**” with Identification No. VeA 2019/7.

Name:	
Provide information whether the enterprise of the Tenderer or the enterprise of their hired subcontractor correspond to the status of a small or medium-sized enterprise.	The Tenderer (Supplier) is a small* or medium-sized** enterprise.  (indicate as appropriate).
Registration number:	
Legal address:	
Office address:	
Phone number:	
Fax number:	
Email address:	
Contact person:	
Position:	
Phone number, email address:	

1. We have read the Ventspils University of Applied Sciences, Inženieru iela 101, Ventspils, LV 3601, Registration No. 90000362426 (hereinafter referred to as “Contracting Authority”) Procurement “**Development, Production, Delivery and Installation of Low Noise-Level Solar Spectral Polarimeter**”, Identification No. VeA 2019/7 Procurement Documents, hereby agreeing to all requirements established therein, and submit a tender.
2. **We agree:**
  - 2.1. To perform work in accordance with the Procurement Documents and requirements of legal acts of the Republic of Latvia, for the following price:

#### Financial offer

No.	Position	Amount, EUR net of VAT	Amount of advance payment, EUR net of VAT	Intermediate payment, EUR net of VAT	Final payment
1	Low noise-level solar spectral polarimeter				
2	Delivery and installation, training VUAS VIRAC personnel				
3	Drawing up technical documentation for equipment				
<b>Total:</b>					



<b>Contract price, EUR net of VAT</b>
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The contract price includes all planned expenses and includes all costs necessary for complete tender implementation in good quality. Full compliance with the requirements established in the Procurement Documents has been reached upon completing the tender.

- 2.2. signing the Contract in accordance with the Draft Agreement included in the Procurement Documents;
- 2.3. delivering equipment in accordance with our tender while observing the procedure established in the Procurement Contract **specifying the term of the contract in months** from the effective date of the Contract.
- 2.4. providing a warranty for delivered equipment 36 (thirty-six) months in length from the date of signing the deed of acceptance.

By submitting this application, we are aware of and fully assume all the risks and responsibilities related to the submitted tender.

3. If our offer is declared the most profitable, we guarantee the fulfillment of contractual obligations in the amount, quality and term requested.
4. The following Tenderer's application is part of our tender.
5. We confirm that the tender has been prepared and submitted in accordance with the requirements established in the Procurement Documents.
6. All submitted copies of documents correspond to the original, the information and data provided in the tender are genuine.

\* A small enterprise is a company that employs fewer than 50 persons and whose annual turnover and / or annual balance sheet total does not exceed 10 million euros;

\*\* A medium-sized enterprise is a company that is not a small enterprise and employs fewer than 250 people and has an annual turnover which does not exceed EUR 50 million and / or an annual balance sheet whose total does not exceed 43 million euros;

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(Signature and full name of the Tenderer's representative or their authorized representative)

**Proof of Tenderer’s experience.**

No.	EQUIPMENT BUYER <i>(by specifying contact details of the Contracting Authority)</i>	EQUIPMENT NAME	GENERAL DESCRIPTION OF THE INSTALLATION, FUNCTIONALITY	DATE OF TRANSFER OF EQUIPMENT IN OPERATION

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(Signature, full name and date of the Tenderer’s representative or their authorized representative)