



INVITATION TO TENDER FOR A DRY DIGESTION FACILITY AND BIOGAS UP-GRADING AND FILLING STATION DESIGN AND CONSTRUCTION CONTRACT

INTRODUCTION

Etelä-Karjalan Jätehuolto Oy invites companies to submit a binding tender for the design and construction of a dry digestion facility and a biogas processing and filling station installation. Etelä-Karjalan Jätehuolto Oy is a waste company that is jointly owned by nine municipalities in the South Karelia region. The company manages and develops the waste management services provided by its owner municipalities.

The object of the contract is a dry digestion facility planned and constructed in the Etelä-Karjalan Jätehuolto Oy waste management area. The facility will produce biogas that shall be processed to bio-methane suitable for use in transportation. Dewatered digestate is delivered to further processing. A filling station for upgraded biogas is part of the contract.

The contract's evaluated cost exceeds the EU threshold value established in the Act on Public Contracts (1397/2016 Act on Public Procurement and Concession Contracts). The Act on Public Contracts is applied to this invitation to tender. The contract notice has been submitted for publication in HILMA and TED (Tenders Electronic Daily).

The tendering procedure in question is an open procedure.

The tender cannot be divided into separate contracts due to reasons relating to functionality and scheduling.

The annexed documents are an integral part of the invitation to tender and its requirements. Matters concerning the execution of the contract may be discussed in the contract negotiations with the winning tenderer, but in principle the documents and their obligations are binding with respect to the tenderer. According to the Act on Public Contracts the requirements established in the documents cannot be amended in any integral respect. The purchaser does not have an obligation to accept any amendment propositions made by the tenderer.

PURCHASER

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CONTRACT CONTENT

The turnkey contract includes the engineering, construction, and commissioning of a bio-waste and a sewage sludge treatment facility (dry digestion facility) along with a biogas upgrading unit and a filling station. The requirements and initial parameters are specified in the tender documentation. The plant shall be delivered as fully ready and operational.

The contract in question is a turnkey-contract, where the turnkey-contractor acts as a main engineer and general contractor. Contractor is also defined as a main executor according to Finnish law.

Familiarization of the construction site and quality certifications

The tenderer has the possibility to familiarize itself with the construction site and the area around it prior to submitting a tender. Contact site manager Sami Huotari at sami.huotari@ekjh.fi or +358 10 841 1805.

All products utilized in the tender must correspond either to one of the quality standards or certification systems listed in the tender document or other approved national or supranational EU quality systems. Products obtained from outside the EU must have approvals permitting imports to the EU. The purchaser may request a quality certification from the contractor. The Purchaser does not need to approve the replacement of products regardless if the product proposed by the contractor is equivalent to the planned product.

Performance guarantee values

The guarantee values for the dry digestion facility are set out in Annex 4 of the Contracting Programme.

Insurance

The tenderer shall define the provider of the construction work insurance in the tender documents. The insurance documents shall be in Finnish.

Contractor's guarantees



The tenderer shall define in the tender documents the nature and provider of the guarantees to be given as a security for the contractor's contractual guarantee obligations. The purchaser reserves the right to approve or reject any proposed guarantee.

Guarantee values

The tender shall include a separate statement that the offered solution fulfils all required guarantee values. In the case that the contractor commits to stricter guarantee values; they should be listed in that same document.

CONTRACT SCHEDULE

The project may be initiated once the decision awarding the tender has entered into force. Additionally the contract must be signed, the obligations specified in the contracting programme must be fulfilled, and a building permit shall be granted.

Milestones of the Turn Key-contract shall be as follows:

1. Principal designs ready and delivered for purchaser's approval – 1.11.2018
2. Construction work initiated on site – 1.12.2018
3. Operational employees trained by – 1.11.2019
4. Mechanical completion, ready for commissioning by – 1.11.2019
5. Municipal Building control's final inspection by – 1.12.2019

Determination of contract price

Displayed in the tender is the total price of the contract, excluding VAT. The tender shall display prices without VAT and including VAT.

The payment milestones are set out in [Annex 4] of the contract, (Payment schedule). Annexed to the contract shall be a table composed with the contractor that specifies payment instalments according to work progress. The contractor shall compose a payment table proposal pursuant to the following terms for the purchaser and shall have it approved by the deadline specified during contract negotiations.

- The first instalment does not exceed 5 % of the contract price. This shall be paid to the contractor once the contract has been signed, the specified guarantee and work schedule has been delivered to the purchaser and work has started. The following instalments are paid as work progresses and according to the value of finished work.
- The final instalment shall be 10 % of the contract value. The final instalment is payable once the contracted work is accepted, final settlement of accounts has been concluded and the guarantee of the guarantee period has been delivered with delivery documents.
- Each instalment shall include the price of supplies and installations.
- No advance payments are made.



CONTENT OF THE TENDER

The language of the tendering process is Finnish and English. The tender shall be submitted in Finnish or in English.

Technical descriptions etc. may be submitted in either one of the aforementioned languages.

Each page of the tender shall be signed or stamped with the company's stamp.

The tender shall contain at least the following documents:

- Annex 1 – Tender (price) form
- Annex 2 – Preliminary implementation plans
- Annex 3 – Unit price list for works
- Annex 4 – Spare parts list with binding prices for the years 2020-2022
- Annex 5 – Technical annexes
- Annex 6 – Supplier's project organisation
- Annex 7 – Supplier's references regarding dry digestion facilities
- Annex 8 – Guarantee value statement

The technical annexes shall contain at least the following plans and or drawings:

1. Suppliers for machinery, equipment, and materials as well as the technical specifications for equipment
2. Proposed project schedule
3. A list of the facility's wear and tear parts for the first two years of operation
4. Preliminary site layout plan
5. Preliminary floor plan
6. Preliminary elevation drawings (from south and west)
7. Preliminary section drawings
8. Flow chart on a process unit level
9. Mass and energy balance

TENDERER'S ELIGIBILITY

A supplier who does not have the technical, financial, or other required qualification to complete the project is disqualified from the tendering process.

The tenderer must present at least two technically similar reference projects (treatment capacity at least 20.000 tn/a, dry digestion plant, input materials include biowaste from households) from the previous 10 years. If the tender is submitted by a group, the group must present two reference projects as stated above.

The tenderers must have a risk rating of RL3 or better on Suomen Asiakastieto Oy's rating system or a corresponding certificate from the country of establishment that the tenderer fulfils the aforemen-



tioned requirement. The purchaser has access to the register of Suomen Asiakastieto Oy. If the tender is submitted by a group, each member of the group must fulfil the aforementioned risk rating criterion.

Discretionary and compulsory grounds for disqualification are specified in the Act on Public Contracts.

Tenderers must fill out the European Single Procurement Document (ESPD). The ESPD functions as a declaration that the tenderer satisfies all the required selection criteria. European Single Procurement Document (ESPD) must be filled out by all parties (for example subcontractors), whose capacity the tenderer relies on in the tendering process. If the tender is submitted by a group, the European Single Procurement Document (ESPD) must be filled out by all the members of the group.

The tenderer must also disclose all possible subcontractors whose capacity the tenderer does not rely on in the tendering process (ESPD section II D).

The tenderer will import the attached xml- template to <https://ec.europa.eu/tools/espd/filter?lang=fi>, fill in the necessary data, download the document, and submit the ESPD with other tender documents.

The tenderer must fulfil all the requirements of the Contractor's Obligations Act ([Act on the Contractor's Obligations and Liability when Work is Contracted Out \(1233/2006\)](#)).

The purchaser shall review the compliance of the winning tenderer with the Contractor's Obligations Act.

COMPLIANCE OF THE TENDER AGAINST THE INVITATION TO TENDER

The tender is rejected, if it does not correspond to this invitation to tender, or if it has been submitted late. Alternative or partial tenders are not accepted.

The procuring entity reserves the right to reject clearly under-priced tenders.

Tenderers will not be compensated financially for their work to produce the tender.

COMPARISON OF THE TENDERS

The phases of the procedure are as follows:

1. Tenderers submit their tenders by the deadline.
2. Tenders are opened. The event of the opening is not open to the public.
3. Eligibility of tenderers is reviewed.
4. Compliance of the tenders against the invitation to tender is reviewed.
5. Comparison of the tenders.
6. The best tender is awarded.



7. The award decision is made and all tenderers are notified of the decision.
8. The contract is concluded with the winning tenderer after the standstill period (14 days) is over. The contract enters into force as the written contract is signed.

The selection criteria for tenders is economical advantageousness, where the award criterion is the lowest comparative price (100%).

The comparative price is the total Contract price specified on the Supplier's price form (VAT 0%) using a coefficient 0.9 plus the annual operating costs (VAT 0%) with a coefficient 10.

Example: the Contract price is 10,000,000.00 € and the specified annual operating cost is 150,000.00 €. This means that the comparative price is $0.9 \times 10,000,000.00 \text{ €} + 10 \times 150,000.00 \text{ €} = 9,000,000.00 \text{ €} + 1,500,000.00 \text{ €} = \mathbf{10,500,000.00 \text{ €}}$.

SUBMISSION OF TENDERS

Preliminary Schedule

The purchaser reserves the right to alter or amend the schedule and the documents for the duration of the tendering process. Information or notifications given verbally are not binding to the purchaser or tenderers.

The tendering process is executed according to the following preliminary schedule:

1. Contract notice is published in HILMA and TED.
2. Questions concerning the contract notice or invitation to tender by 6th of June 2018.
3. Answers published to the questions by 13th June 2018.
4. Deadline for submitting tenders 20th July 2018.
5. Award decision 29th of August 2018.
6. Signing the contract by 30th of September 2018.

Questions concerning the procurement notice or the invitation to tender may be submitted to j.suvilampi@watrec.fi by 6th of June 2018.

Answers will be published on the website ekjh.fi by 13th June 2018. The answers will be published anonymously. The name of the party submitting the question will not be disclosed.

Tenders must be exclusively submitted by e-mail to j.suvilampi@watrec.fi by 20th of July 2018.

Tenders must be submitted in Finnish or in English.

Late tenders and tenders submitted by mail or other means except via e-mail will not be accepted.



The use of e-mail is at the risk of the tenderer.

The tenderer must disclose an e-mail address, in which the procurement decision as well as potential questions or requests for additional information can be sent to.

ANNEXES:

1. Tender (price) form
2. Contract limits
3. Installation work agreement
4. Health and Safety Document
5. ESPD (European Single Procurement Document)
6. Contracting programme
7. Specification for design and engineering
8. General requirements for machinery and installations
9. Preliminary layout plant
10. Constructability review (with its sub-annexes)