

Finland-Naantali: Heat pumps
OJ S 198/2020 12/10/2020
Contract notice – utilities
Supplies

Legal Basis:

Directive 2014/25/EU

Section I: Contracting entity

I.1. Name and addresses

Official name: Turun Seudun Energiantuotanto Oy

National registration number: 1730092-3

Postal address: Satamatie 16

Town: Naantali

NUTS code: FI Suomi / Finland

Postal code: 21100

Country: Finland

Contact person: Sansia Oy / Ari Sormunen

E-mail: ari.sormunen@sansia.fi

Telephone: +358 447182946

Internet address(es):

Main address: <https://www.tset.fi>

I.3. Communication

The procurement documents are available for unrestricted and full direct access, free of charge, at: <https://tarjouspalvelu.fi/sansia?id=316076&tpk=f9dc2e7d-fec1-451b-85fe-f6519dc5e368>

Additional information can be obtained from the abovementioned address

Tenders or requests to participate must be submitted electronically via: <https://tarjouspalvelu.fi/sansia?id=316076&tpk=f9dc2e7d-fec1-451b-85fe-f6519dc5e368>

I.6. Main activity

Production, transport and distribution of gas and heat

Section II: Object

II.1. Scope of the procurement

II.1.1. Title

Heat Pump Unit for District Heat Production

Reference number: 316076

II.1.2. Main CPV code

42511110 Heat pumps

II.1.3. Type of contract

Supplies

II.1.4. Short description

Turun Seudun Energiantuotanto Oy (TSE) is planning to build a heat pump unit for district heat production. The heat pump unit would use the waste heat from closed cooling water system of power plant Na4 (Naantali). The estimated heat output of the heat pump unit would be around 8 – 10 MW and the heat will be transferred to the local district heating network.

This supply consists of the heat pump unit with the necessary auxiliary equipment.

II.1.5. Estimated total value

II.1.6. Information about lots

This contract is divided into lots: no

II.2. Description

II.2.3. Place of performance

NUTS code: FI Suomi / Finland

Main site or place of performance: Naantali

II.2.4. Description of the procurement

The scope of supply is the heat pump unit of around 8 – 10 MWth water to water heat pump for district heat production. The scope of supply contains all the necessary auxiliary equipment with piping and cabling (cabling from terminal boxes to control panels) of heat pump unit excluding the main pipe work, civil works and power supply, but including commissioning and the test run completed (both approved by the Purchaser) and ready for commercial operation at the Purchaser's site. Heat pump unit and all its materials and components shall be proven technic.

All necessary dimensions, load and process information for designing the civil constructions and foundations is included to the scope of supply.

The heat pump unit is to be installed on a steel base frames provided with motor, compressor and heat exchangers (evaporator, condenser, auxiliary cooling) etc. to form a complete and well operating heat pump unit.

The system shall be designed to minimize loss of refrigerant. Welded fittings are in preference to flanged connections when possible.

The process delivery of the plant with auxiliary systems shall include at least but not limited to the following equipment, their installation, commissioning and testing:

- heat pump unit with complete connections with all necessary materials (bolts, nuts etc) and works of fixings, erections and installations (assembly of unit, painting and thermal insulation),
- refrigerant system with all needed auxiliary equipment and piping,
- lube oil system for required lubrication, with all needed auxiliary equipment and piping,
- cooling water system, with all needed auxiliary equipment and piping,
- all pipe work of the unit inside the delivery limits,
- complete protection system for heat pump unit,
- control, indication and measurement equipment with instrumentation and supervision system with all necessary functions, auxiliaries and accessories,
- motor line equipment including necessary cubicles and terminal boxes with all necessary auxiliaries and accessories,
- protective line side surge arrester and capacitors with all necessary auxiliaries and accessories,
- all cabling inside the scope of supply of the Supplier's equipment,
- complete design of the process, design documents, instructions, operating and maintenance manuals etc in the scope of supply are included in the delivery,
- spare parts according to Supplier's recommendation for operation of two (2) years (to be listed with unit prices with the tender by the Supplier),

- all necessary special tools needed for installation, erection, maintenance etc of equipment and systems shall be included in the delivery (separate list shall be submitted with the tender by the Supplier),
- factory tests and site tests of supplied equipment (separate list shall be submitted with the tender by the supplier),
- commissioning and test run (to be approved by the Purchaser),
- training of the Purchaser's operating and maintenance staff.

II.2.5. Award criteria

Price is not the only award criterion and all criteria are stated only in the procurement documents

II.2.6. Estimated value

II.2.7. Duration of the contract, framework agreement or dynamic purchasing system

Start: 01/03/2021 End: 28/02/2022

This contract is subject to renewal: no

II.2.9. Information about the limits on the number of candidates to be invited

Envisaged minimum number: 3 Maximum number: 5 Objective criteria for choosing the limited number of candidates:

Procurement completed within a reasonable time by the contracting entity limited resources requires a tendering and negotiation phase limiting the number of candidates to be selected.

II.2.10. Information about variants

Variants will be accepted: no

II.2.11. Information about options

Options: yes

Description of options:

Option for heat pump unit maintenance contract. The option will be described in the call for tenders.

II.2.13. Information about European Union funds

The procurement is related to a project and/or programme financed by European Union funds:
no

II.2.14. Additional information

Section III: Legal, economic, financial and technical information

III.1. Conditions for participation

III.1.1. Suitability to pursue the professional activity, including requirements relating to enrolment on professional or trade registers

List and brief description of conditions:

TSE is entitled to exclude a candidate that does not meet the criteria set by the Act of Contractor's Obligations and Liability 1233/2006. The candidates shall provide the following documentations:

- documentation showing whether the enterprise is entered in the Prepayment Register and in the Employer Register in accordance with the Act on Payment of Tax (1118/1996), and registered as VAT-liable in the Value Added Tax Register in compliance with the Value Added Tax Act (1501/1993),

- an extract from the trade register or equivalent information otherwise obtained from the trade register,
- documentation showing that the enterprise does not have tax debts,
- certificates of employee's pension insurances taken out and of pension insurance premiums paid, or documentation showing that a payment agreement on outstanding pension insurance premiums has been made,
- documentation showing the collective agreement or the principal terms of employment applicable to the work,
- alternatively, the fulfillment of the above criteria can be provided with the customer liability report (Tilaajavastuuraportti),
- criminal record shall be requested from the Contractor before signing the contract.

III.1.2. Economic and financial standing

List and brief description of selection criteria:

The candidate must have sufficient financial and operational capacity to carry out the procurement in question.

Criteria(s) to be fulfilled:

- the company's annual turnover need to be as average at least EUR 7 million during the last two (2) years. In addition, the cumulative operating EBITA must be positive over the last two (2) years,
- if a company is participating as a group/consortium, the combined turnover of the companies, who will sign the final agreement with TSE in the group/consortium need to fulfill the turnover requirement. The turnover of a single company does not need to fulfill the turnover requirement as long as the combined turnover of the group/consortium fulfill the turnover requirement.

Documents to be submitted:

- financial statements of the candidate for the period of last two (2) financial years (2018, 2019/two latest financial years of the Candidate). Candidates that have been established later shall submit the aforementioned documents for the period of operation.

III.1.3. Technical and professional ability

List and brief description of selection criteria:

1) Minimum Reference Requirement

These references refer to the minimum references which affect the selection of the candidates. The candidate must have experience during the last three (3) years of at least two (2) deliveries from similar base load waste heat recovery heat pump of high temperature (condenser output 85 °C or higher), under similar conditions than in this acquisition (including full responsibility for engineering, manufacture, installation and commissioning per reference) that have been taken into commercial operation in Nordic countries and fulfill the EN-norms and the PED regulations.

- with recovered thermal power (to the district heating water) of at least 5 MW (base load type with proven track of operation)
- high condenser temperature (at least 85 °C).

2) The candidate must have a valid certified quality assurance system (ISO-9001 or equivalent).

3) Comparative References:

These references refer to non-minimum references which affect to candidate comparison and must be different references than those indicated by the candidate to meet the minimum reference requirements (Evaluation Point 1).

The experience of the candidate of deliveries of heat pumps and under similar conditions than in this acquisition (including full responsibility for engineering, manufacture, installation and commissioning per reference) that have been taken into commercial operation in Nordic countries and fulfill the EN-norms and the PED regulations.

The total number of the references during the last three (3) years of the candidate are taken into account in the comparison, provided that the reference contains an industrial size heat pump and that all requirements listed below are met:

- at least 1 MWth unit size
- high condenser temperature (at least 85 oC)
- base load type of equipment with proven track of operation
- low GWP refrigerants.

The equivalence and number of references are evaluated based on the written report submitted by the candidate. See Appendix 'Na4 Heat Pump Unit, Reference List, 6 October 2020' and complete the form with references.

4) The contractor must have a maintenance and spare parts center in Europe and maintenance must be available in Naantali within twenty four (24) hours of contacting. This requirement is based on the TSE's security of district heat supply.

5) Project language is English and Finnish when applicable (personnel in charge of site and safety).

III.2. Conditions related to the contract

III.2.2. Contract performance conditions

The contract will be implemented on the condition that the project receives the necessary permits and Turun Seudun Energiantuotanto Oy makes the final investment decision. The final investment decision is estimated to take place in February 2021.

Section IV: Procedure

IV.1. Description

IV.1.1. Type of procedure

Negotiated procedure with prior call for competition

IV.1.3. Information about a framework agreement or a dynamic purchasing system

IV.1.8. Information about the Government Procurement Agreement (GPA)

The procurement is covered by the Government Procurement Agreement: yes

IV.2. Administrative information

IV.2.2. Time limit for receipt of tenders or requests to participate

Date: 23/10/2020 Local time: 16:00

IV.2.3. Estimated date of dispatch of invitations to tender or to participate to selected candidates

IV.2.4. Languages in which tenders or requests to participate may be submitted

English, Swedish, Finnish, German

IV.2.6. Minimum time frame during which the tenderer must maintain the tender

Tender must be valid until: 30/06/2021

Section VI: Complementary information

VI.1. Information about recurrence

This is a recurrent procurement: no

VI.3. Additional information

The contracting entity reserves the right to invite to the procurement procedure a minimum of three (3) and maximum of five (5) bidders.

If there are more than five (5) bidders the contracting entity reserves the right to select those five (5) bidders that have the largest number of valid references during the last three (3) years. The candidate must meet all the requirements set out in Section III.1.3). subsections 1 and 2. Any qualifications is made in such a way that the candidates to be selected to the bidding process are ranked based on the number of references in Section III.1.3) Technical and professional ability subsection 3. If two or more candidates have the same number of references calculated based on the sub-section 3, they are ranked based on the number of references set out in subsection 1 that exceed the mandatory minimum requirements. The equivalence and number of references are evaluated based on the written report submitted by the candidate.

VI.4. Procedures for review

VI.4.1. Review body

Official name: Markkinaoikeus

Postal address: Radanrakentajantie 5

Town: Helsinki

Postal code: 00520

Country: Finland

E-mail: markkinaoikeus@oikeus.fi

Telephone: +358 295643300

Internet address: <http://www.oikeus.fi/markkinaoikeus>

VI.5. Date of dispatch of this notice

07/10/2020