

**Denmark-Roskilde: Heat pumps**  
**OJ S 123/2019 28/06/2019**  
**Contract notice – utilities**  
**Works**

**Legal Basis:**

Directive 2014/25/EU

**Section I: Contracting entity**

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**I.1. Name and addresses**

Official name: Fors Varme Roskilde A/S

National registration number: 32837425

Postal address: Betonvej 12

Town: Roskilde

NUTS code: DK022 Vest- og Sydsjælland

Postal code: 4000

Country: Denmark

Contact person: Lærke Ærenlund

E-mail: [lae@fors.dk](mailto:lae@fors.dk)

Telephone: +45 30103637

**Internet address(es):**

Main address: <https://www.fors.dk/>

Address of the buyer profile: <https://eu.eu-supply.com/ctm/Company/CompanyInformation/Index/368386>

**I.3. Communication**

The procurement documents are available for unrestricted and full direct access, free of charge, at: [http://eu.eu-supply.com/app/rfq/rwlenrance\\_s.asp?PID=243278&B=FORS](http://eu.eu-supply.com/app/rfq/rwlenrance_s.asp?PID=243278&B=FORS)

Additional information can be obtained from the abovementioned address

Tenders or requests to participate must be submitted electronically via: [http://eu.eu-supply.com/app/rfq/rwlenrance\\_s.asp?PID=243278&B=FORS](http://eu.eu-supply.com/app/rfq/rwlenrance_s.asp?PID=243278&B=FORS)

Tenders or requests to participate must be submitted to the abovementioned address

**I.6. Main activity**

Other activity: Heating production

**Section II: Object**

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**II.1. Scope of the procurement****II.1.1. Title**

Procurement of a 8 MW Heat Pump Plant

**II.1.2. Main CPV code**

42511110 Heat pumps

**II.1.3. Type of contract**

Works

**II.1.4. Short description**

Fors Varme Roskilde A/S wants to establish an 8 MW heat pump plant at Bjergmarken Renseanlæg based on a design and build contract. The preferred bidder will be awarded the contract for designing and building this heat pump plant as well as 10 years of maintenance thereof.

Bjergmarken Renseanlæg can as part of the tender procedure be inspected by interested applicants on 3.7.2019 from 11:00 am CET. The address of the location is: Boserupvej 25, 4000 Roskilde.

#### **II.1.5. Estimated total value**

Value excluding VAT: 65 000 000,00 DKK

#### **II.1.6. Information about lots**

This contract is divided into lots: no

### **II.2. Description**

#### **II.2.2. Additional CPV code(s)**

45232142 Heat-transfer station construction work, 50710000 Repair and maintenance services of electrical and mechanical building installations

#### **II.2.3. Place of performance**

NUTS code: DK022 Vest- og Sydsjælland

#### **II.2.4. Description of the procurement**

The procurement includes the establishment of an 8 MW heat pump plant at Bjergmarken Renseanlæg including setting up the construction area, preparation of the building for the plant, installation of equipment, installation of SCADA and control system for the operation and control of the heat pump plant as well as other electrical installations, training of personnel, delivery of operating and maintenance manuals, execution of appropriate tests as well as 10 years of maintenance of the heat pump plant.

The heat pump installation will be placed in an already existing sludge drying building at Bjergmarken Renseanlæg and the contractor is responsible for renovating the building, preparing it for installation of the heat pump plant, obtaining the necessary permissions while respecting relevant standards, rules, regulations and building codes.

The low temperature heat source for the heat pump is the cleaned waste water leaving the site, and the high temperature heat sink is the district heating grid in Roskilde. The contract consists of process works on waste water process, a secondary loop comprising heat exchanging and glycol loop, heat pumps, electrical and automation as well as district heating connection.

The plant must be designed for 8 MW heating production at the following design points: Waste water inlet: 8oC, waste water outlet: 2oC, district heating supply temp: 80oC, district heating return temp: 52oC.

The plant must consist of at least 2 closed circuit ammonia separate heat pump units with a combined capacity as specified above, and the plant is expected to run full load approximately 7 500 hours per year and have an operating range of at least 8-22oC.

Heat extraction from the waste water requires an additional filter and establishment of a 400 m3 buffer sump as well as a new pipe installation including feed pumps from the waste water storage to the heat exchangers. A separate pipeline will have to be installed for each feed pump. On the district heating side of the heat exchanger pumps and piping must be dimensioned for maximum of 16 bars (PN16) and suitable for temperatures up to 90 oC. The

pumpset should consist of  $n \geq 3$  parallel pumps, with a total  $n-1$  capacity of 100 % of the maximum capacity flow (e.g. 3x50% or 4x33%). The pumps should be able to regulate the total capacity in a way, so operation with any one of the heat pump units is possible. The contractor will also be responsible for the supply and installation of all necessary electrical installations, including a control system where all technical installations must be fully connected to, and be able to exchange information with, the clients existing SCADA system (ABB 800XA). Finally the contractor must supply and install all necessary safety equipment such as ammonia detection and emergency showers.

#### **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**

Value excluding VAT: 55 000 000,00 DKK

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

Duration in months: 132

This contract is subject to renewal: no

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

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

The limitation of applicants will be based on an evaluation of which candidates have documented the most relevant previous deliveries in comparison to the contract/purchases described in Section II.2.4.

In this evaluation

(a) contracts concerning the delivery of heat pumps or heat pump plants will be weighted more positively than other technical facilities;

(b) turnkey contracts (e.g. ABT 93/ABT 18) will be weighted more positively than other forms of contracts; and

(c) contracts where 2 or more years of maintenance/operation and maintenance have been part of the subsequent services of the contractor will be weighted more positively than contracts without such maintenance/operation and maintenance.

Fors Varme Roskilde A/S will focus on the best 2 best references of each applicant in regard to this selection but look at the quality and amount of the remaining references in case the 2 best references of more applicants are equally good based on the above.

Please note that any ambiguities and/or incomprehensibilities in the information submitted under Section III.1.3 may be regarded negatively in the evaluation when selecting the limited numbers of candidates.

#### **II.2.10. Information about variants**

Variants will be accepted: no

#### **II.2.11. Information about options**

Options: yes

Description of options:

The tender includes the following options:

- maintenance for a 10 year period of the heat pump plant,
- feed pump,
- suction pipe for feed pumps,

- piping after the heat exchangers,
- brine cycle pump,
- brine cycle,
- heat pump,
- district heating pump,
- district heating pipe,
- freeflow waste water heat exchanger.

### **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**

Fors Varme Roskilde A/S has decided not to divide the contract into lots as this is expected to unduly increase the cost as well as the risk regarding the integration of the different deliveries under the contract.

## **Section III: Legal, economic, financial and technical information**

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### **III.1. Conditions for participation**

#### **III.1.2. Economic and financial standing**

List and brief description of selection criteria:

- 1) The applicant must submit information on the applicant's annual turnover for the last 3 financial years. The information shall be stated in the European Single Procurement Document (ESPD), Part IV.B 'General yearly turnover', cf. Section VI.3 below;
- 2) The applicant shall provide information on the company's equity for the last 3 financial years. The information shall be stated in the European Single Procurement Document, Part IV. B 'Financial key figures', cf. Section VI.3 below.

In the event Fors Varme Roskilde A/S requires documentation for the above the applicant must provide the 3 latest audited annual financial reports. If these are not in English or Scandinavian, the applicant is asked to also provide a resume in English.

Reference is made to Section VI.3 with regard to the applicant's possibility of relying on the capacity of other entities.

Minimum level(s) of standards possibly required:

- 1) The applicant must have achieved an annual turnover of at least 50 000 000 DKK in each of the preceding 3 financial years. If the turnover is not stated in said currency, Fors Varme Roskilde A/S will calculate the turnover based on the official exchange rate on the date this notice was published;
- 2) The applicant must have achieved a positive equity in each of the preceding 3 financial years. In the event that the applicant's equity in any of the last 3 years is below zero, the applicant will be excluded.

#### **III.1.3. Technical and professional ability**

List and brief description of selection criteria:

- 1) A list of the applicant's most important former deliveries within the last 5 years (maximum 5) from similar contracts with technical facilities and experience with turnkey contracts and possibly maintenance, cf. Section II.2.4 in this Contract Notice.

The list should preferably include the following information on each reference:

- a description of each delivery, including work performed by the applicant and applicants deliverables,

- information on the Contracting Authority,
- information on when the project was carried out (start and end date), and
- information on the contract sum,
- information on the applicant's role and responsibility.

The information shall be stated in the European Single Procurement Document, Part IV, cf. Section VI.3 below.

Reference is made to Section VI.3 with regard to the candidate's possibility of relying on the capacity of other entities.

Minimum level(s) of standards possibly required:

- 1) The applicant must with a minimum of 1 reference demonstrate experience with the delivery of heat pumps for technical facilities.

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## **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: 26/07/2019 Local time: 11:00

#### **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

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

Duration in months: 3 (from the date stated for receipt of tender)

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## **Section VI: Complementary information**

### **VI.1. Information about recurrence**

This is a recurrent procurement: no

### **VI.3. Additional information**

Applicants who wishes to participate in this tender process must fill in the ESPD via EU-Supply. Complete the ESPD with the information specified in the Contract Notice, including Part II.A, II.B, II.C, III.A, III.B, III.C, IV.B and IV.C.

Note that the applicant must submit several ESPDs, if the applicant forms an association of companies or is based on the capacity of other economic operators.

Applicant must in the ESPD state the name, VAT/CVR number, postal address, contact person whether the applicant is a micro-enterprise, small or medium-sized enterprise and whether the applicant participates in the tender procedure with others (ESPD Part II.A). The applicant must provide the information requested in Part III of the Contract Notice. The

applicant must confirm that the applicant is not covered by the compulsory exclusion grounds in Sections 135 and 136 of the Danish Public Procurement Act (ESPD Part III, paragraphs A, B and C). In addition, the applicant must confirm that the applicant is not covered by the voluntary exclusion grounds in section 137 sub-section 1, 2 and 5 of the Danish Public Procurement Act (ESPD Part III, Section C). The requested information forms the basis of the Contracting Authority's assessment of whether the applicant is suitable for carrying out the deliverables of the tender and which applicants are invited to submit a tender. If the applicant participates in the tendering procedure with others, in particular as part of a group, consortium, joint venture or the like, all affected participants must submit a separate ESPD. All required information under Part III must be provided for each participant in the consortium. In connection with the suitability assessment, however, it will be the consortium's overall suitability that is assessed. If the required information is not provided by all consortium participants, the offer is not necessarily non-compliant, but it may affect the suitability assessment. In addition, each participant in the individual ESPD must indicate the role of the economic operator in the group, the other economic operators participating in the procedure and, where appropriate, the name of the participating group (ESPD Part II.A). If the applicant is unable to meet the requirements of financial and economic and/or technical and professional capacity, the applicant may rely on the financial and economic and/or technical and professional capacity of other entities. In this case, any sub-contractors of the applicant must also enclose a separate ESPD with completed Part II, sections A and B and Part III duly completed by the entities concerned (ESPD Part II, Section C). In connection with the suitability assessment, it will be the total suitability that is assessed, including by combining key figures.

The applicant can only submit one application for pre-qualification. If the same legal entity is part of or otherwise participates in several applications, e.g. submitting its own application, but at the same time being a participant in consortium or the like applying, the applicants must ensure that the participation of the same legal entity does not entail the possibility of mutually influencing the content of the various tenderers' offers. Application for pre-qualification must be submitted electronically to EU-Supply, cf. Section I.3 of the Contract Notice.

#### **VI.4. Procedures for review**

##### **VI.4.1. Review body**

Official name: Klagenævnet for Udbud

Postal address: Nævnenes Hus, Toldboden 2

Town: Viborg

Postal code: 8800

Country: Denmark

E-mail: [klfu@naevneneshus.dk](mailto:klfu@naevneneshus.dk)

Telephone: +45 35291000

Internet address: <https://erhvervsstyrelsen.dk/klagevejledning-0>

##### **VI.4.3. Review procedure**

Precise information on deadline(s) for review procedures:

According to the Danish Act on the Complaints Board for Procurement, etc. (LBK No 593 of 2.6.2016), the following deadlines apply for submission of complaint:

Complaints about not being pre-qualified must be submitted to the complaints board for procurement within 20 calendar days from the day after the day on which the Contracting Authority has sent a notification to the affected applicants about who has been pre-qualified if the notification has stated a brief account of the relevant reasons for the decision, cf. § 7(1) of the said act.

Complaints about the award of the contract must be made to the complaints board within 45 days after the Contracting Authority has published a notice in the Official Journal of the European Union stating that the Contracting Authority has concluded a contract. The deadline is calculated from the day on which the notice is published.

Not later than the time a complaint is lodged with the complaints board for invitation to tender, the complainant must notify the Contracting Authority in writing that the complaint has been submitted to the complaints board for procurement and whether the complaint has been filed in the standstill period, cf. § 6(4). In cases where the complaint has not been lodged during the standstill period, the complainant must also indicate whether a suspensive effect is requested from the complaint, cf. § 12(1).

**VI.4.4. Service from which information about the review procedure may be obtained**

Official name: Konkurrence- og Forbrugerstyrelsen

Postal address: Carl Jacobsens Vej 35

Town: Valby

Postal code: 2500

Country: Denmark

E-mail: [kfst@kfst.dk](mailto:kfst@kfst.dk)

Telephone: +45 41715000

Internet address: <http://www.kfst.dk>

**VI.5. Date of dispatch of this notice**

25/06/2019