

Denmark-Vodskov: Construction work
OJ S 183/2023 22/09/2023
Contract award notice – utilities
Works

Legal Basis:

Directive 2014/25/EU

Section I: Contracting entity

I.1. Name and addresses

Official name: Nordjyllandsværket A/S
National registration number: 37189294
Postal address: Nefovej 50
Town: Vodskov
NUTS code: DK05 Nordjylland
Postal code: 9310
Country: Denmark
Contact person: Lars Boye Mortensen
E-mail: l.mortensen@aalborg.dk
Telephone: +45 20752749
Internet address(es):
Main address: <https://aalborgforsyning.dk>

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

Sea Water Heat Pump System

II.1.2. Main CPV code

45000000 Construction work

II.1.3. Type of contract

Works

II.1.4. Short description

Aalborg Forsyning is putting out for tender a contract regarding delivery of a seawater heat pump and technical installations, including a 5-year service agreement. The tender procedure is carried out as a negotiated procedure with prior call for competition according to section 47 of the Utility Directive (2014/25/EU). Aalborg Forsyning is aiming at a short tendering period with a written negotiation phase or no negotiation at all, meaning that Aalborg Forsyning reserves the right to award the contract based on the Tenderers' first Tenders. If, however, extensive negotiations or further negotiations rounds are needed, the expected date of conclusion of contract (taking over) will be delayed and consequential changes to the contract may in this case be expected, including the payment schedule and possibly the taking over

regime as some of the performance tests can only be carried out in cold water in the winter season.

II.1.6. Information about lots

This contract is divided into lots: no

II.1.7. Total value of the procurement

Value excluding VAT: 681 001 020,00 DKK

II.2. Description

II.2.2. Additional CPV code(s)

42120000 Pumps and compressors

II.2.3. Place of performance

NUTS code: DK05 Nordjylland

II.2.4. Description of the procurement

As part of Aalborg municipality's transition towards green energy, Aalborg Forsyning's coalfired powerplant, situated at "Nordjyllandsværket", will be de-commissioned latest in year 2028 and replaced with surplus heat from the industry in Aalborg and new plants for district heating in form of electric boilers and heat pumps based on different natural heat sources. This project is focusing on erecting a large-scale heat pump based on seawater from the Limfjord which historically has been used for cooling the condensers at the coal fired powerplant. The intention for the Sea water heat pump is to establish a 120 – 150 MJ/s plant, situated close by the coalfired powerplant, reusing the existing cooling water infrastructure at the site. The seawater heat pump is intended to be a flexible district heat source with production temperature varying with the demands of the district heating demands and prices of electrical power. The main heat production will be in winter where the water in the fjord will be coldest, but the seawater heat pump is also intended to be utilized in the summer period if the prices for electricity are favorable. The new heat pump plant will be erected in the same site as the existing heat and power plant ("Nordjylland Power Plant"). This site is also the main hub for distributing heating to the city of Aalborg today. The planned heat pump system is based on heat energy being absorbed from the Limfjord by cooling seawater, whereby cooling energy added to the heat pump system in addition to absorbed electrical power gives the total heat energy (nominal) which is supplied to Aalborg Forsyning's district heating network. Aalborg Forsyning has decided that the existing seawater intakes, pumps and filtration system and the corresponding seawater returns that are currently used to cool the condenser on Nordjylland Power Plant Unit 3 shall be utilized and integrated with the new heat pump plant. It has been assessed - but must be evaluated by the contractor - that the heat pump system can be connected to existing piping of seawater / cooling water to the Nordjylland Power Plant Unit 3 and also whether pumps and filter systems in the treatment plant are large enough (and efficient) to supply cooling water to Nordjylland Power Plant Unit 3 and the heat pump system simultaneously, in a transition period, where both plants will be in operation. Aalborg Forsyning has focus on the following characteristic for the heat pump plant: - Well proven components of high quality, - High heat capacity within the limits set by Aalborg Forsyning, - Cooling media with low environmental impact, - Ability to high heat production at low seawater temperature maintaining 90°C district heating temperature, - High operation flexibility towards changing seawater and district heat temperatures and fast electrical load changes, - High COP, - Low carbon footprint and environmental impact. This Tender is comprising the complete works of engineering, construction and commissioning of a 120-150 MJ/s seawater based heat pump plant (capacity is defined as heat output delivered to the main district heating network),

producing 90°C district heating. Reference is made to the Employer's Technical Requirements for Lot 1 which has been prepared to procure a Contractor for the engineering, installation, and commissioning of the heat pump system described. Aalborg Forsyning will in other lots tender civils and building works and connections to the sea water pump installation (seawater, district heat, electrical and control) and supply one 75 MVA 60/10 KV transformer, 10 KV switchgear and 10/04 transformers with an available capacity of 68 MVA for the contractor. The contract also has an option to purchase an additional sea water heat pump installation between 25-45 MW. The estimated value of the contract including options is between DKK 775-890 million for an installation of 165 – 190 MJ/S. Duration of approximately 36 months excluding service agreement.

II.2.5. Award criteria

Quality criterion - Name: Quality / Weighting: 45 %

Quality criterion - Name: HSE / Weighting: 15 %

Cost criterion - Name: Calculated heat production price / Weighting: 35 %

Cost criterion - Name: Option for additional MW / Weighting: 5 %

II.2.11. Information about options

Options: yes

Description of options:

Additional 5-year service agreement, see Employer's General Requirements, section 4.

Excess heat recovery system, see Employer's Technical Requirements, section 3.1

Option to purchase an additional sea water heat pump installation between 25-45 MW.

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 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: no

IV.2. Administrative information

IV.2.1. Previous publication concerning this procedure

Notice number in the OJ S: [2023/S 035-101129](#)

IV.2.8. Information about termination of dynamic purchasing system

IV.2.9. Information about termination of call for competition in the form of a periodic indicative notice

Section V: Award of contract

Title:

Lot 2 contract regarding delivery of a seawater heat pump and technical installations

A contract/lot is awarded: yes

V.2. Award of contract**V.2.1. Date of conclusion of the contract**

11/09/2023

V.2.2. Information about tenders

Number of tenders received: 3

Number of tenders received from SMEs: 0

Number of tenders received from tenderers from other EU Member States: 2

Number of tenders received from tenderers from non-EU Member States: 1

Number of tenders received by electronic means: 3

The contract has been awarded to a group of economic operators: no

V.2.3. Name and address of the contractor

Official name: MAN Energy Solutions Switzerland Ltd.

National registration number: CHE-108.814.277

Postal address: CH-8005

Town: Zuerich

NUTS code: CH Schweiz / Suisse / Svizzera

Postal code: CH-8005

Country: Switzerland

E-mail: mario.restelli@man-es.com

The contractor is an SME: no

V.2.4. Information on value of the contract/lot

Initial estimated total value of the contract/lot: 800 000 000,00 DKK

Total value of the contract/lot: 681 001 020,00 DKK

V.2.5. Information about subcontracting**V.2.6. Price paid for bargain purchases****Section VI: Complementary information**

VI.3. Additional information

As the application for prequalification, the candidate should submit a completed ESPD. The ESPD template is published as part of the tender material, see section I.3). The ESPD should be completed via Ethics. The candidate should complete the ESPD with the information stated in the contract notice, including parts II.A-II.D, III.A-III.C, IV.B-IV.C, V and VI:

- Part II.A: The candidate should inform name, registration number, postal address, contact person, whether the candidate is a micro, small or a medium-sized enterprise and whether the candidate participates in the procurement together with others (e.g. as a consortium).
- Part II.B: The candidate should inform the name(s) and contact information(s) of the person (s) empowered to represent the candidate for the purposes of this procurement procedure.
- Part II.C: The candidate should inform whether the candidate relies on other entities' economic and financial standing and/or technical and professional ability.
- Part II.D: The candidate should inform whether the candidate intends to subcontract any share of the contract to third parties on whose capacity the candidate does not rely.

- Part III.A-III.C: The candidate should inform whether the candidate is subject to the grounds for exclusion set out in sections 135(1)-(3), 136 and 137(1) No. (1) (2) and (4) of the Danish Public Procurement Act. If the candidate is subject to one or more of the grounds for exclusion set out in sections 135(1)-(3), 136 and 137(1) No. (1) (2) and (4) of the Danish Public Procurement Act, the candidate will be excluded from participating in the tender procedure, unless the candidate provides sufficient proof of the candidate's reliability, see section 138 of the Danish Public Procurement Act.

- Part IV.B: The candidate should describe its economic and financial standing, see section III. 1.2)

- Part IV.C: The candidate should describe its technical and professional ability, see section III. 1.3)

- Part V: The candidate should inform whether the candidate fulfils the selection criteria set out in section II.2.9)

- Part VI: The candidate should state the date of completion of the ESPD.

If the candidate is an association of businesses (e.g. a consortium), each of the businesses in the association should submit a completed ESPD.

If the candidate relies on other entities' economic and financial standing and/or technical and professional ability, both the candidate and each of the supporting entities should submit a completed ESPD.

For more information on how to complete the ESPD see Appendix III to the Tender Conditions. Before Aalborg Forsyning decides to award the contract to a tenderer, Aalborg Forsyning must require that the tenderer provides proof of the information stated in the ESPD. Aalborg Forsyning may also require such proof at any time during the tender procedure where necessary to ensure that the tender procedure is conducted correctly. For further information regarding means of proof for information stated in the ESPD see section 3.11 of the Tender Conditions.

All communication with Aalborg Forsyning regarding the tender procedure should be conducted via Ethics. Please see sections 2.5 of the Tender Conditions about questions regarding the application for prequalification.

It is the sole responsibility of the candidate to ensure timely upload of application. Uploading can be time consuming. The candidate should therefore make sure that there is sufficient time to upload the application in a timely manner. This includes in good time before the deadline to make sure that the relevant links to Ethics in section 1.3) actually works. If the candidate has any technical problems accessing or applying Ethics, the candidate is encouraged to contact Ethics Support. Ethics Support can be contacted per phone: + 45 7022 7007 or per email: support@ethics.dk on weekdays from 09.00 – 16.00 CET.

VI.4. Procedures for review

VI.4.1. Review body

Official name: Klagenævnet for Udbud

Postal address: Toldboden 2

Town: Viborg

Postal code: 8800

Country: Denmark

E-mail: kifu@naevneneshus.dk

Telephone: +45 72405600

Internet address: <https://naevneneshus.dk/start-din-klage/klagenaevnet-for-udbud/>

VI.4.3. Review procedure

Precise information on deadline(s) for review procedures:

Under the Danish Act on the Complaints Board for Public Procurement, etc. (lov om Klagenævnet for Udbud m.v.), the following time limits apply to the filing of a complaint: A complaint about not being selected must be filed with the Complaints Board for Public Procurement within 20 calendar days, see section 7(1) of the Act, from the date after notification has been sent to the candidates involved of who has been selected when notification is accompanied by the reason for the decision in accordance with section 2(1)(i) of the Act.

In other situations, complaints about tenders, see section 7(2) of the Act, must be filed with the Complaints Board for Public Procurement within:

- 1) 45 calendar days after the contracting authority has published a notice in the Official Journal of the European Union of the contracting authority's conclusion of a contract. The time limit is calculated from the day after the day on which the notice was published;
- 2) 30 calendar days calculated from the day after the day on which the contracting authority notified the tenderers involved that a contract based on a framework agreement with reopening of the competition or a dynamic purchasing system has been concluded if the notification includes a reason for the decision;
- 3) 6 months after the contracting authority has concluded a framework agreement calculated from the day after the day on which the contracting authority has notified the candidates and tenderers involved, see section 2(2) of the Act and section 171(4) of the Danish Public Procurement Act.

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

Telephone: +45 41715000

Internet address: www.kfst.dk

VI.5. Date of dispatch of this notice

18/09/2023