

Finland-Helsinki: Compressors
OJ S 41/2020 27/02/2020
Contract award notice – utilities
Supplies

Legal Basis:

Directive 2014/25/EU

Section I: Contracting entity

I.1. Name and addresses

Official name: Helen Ltd
National registration number: 2630573-4
Postal address: Kampinkuja 2
Town: Helsinki
NUTS code: FI1B1 Helsinki-Uusimaa
Postal code: 00100
Country: Finland
Contact person: Sari Aapro
E-mail: sari.aapro@helen.fi
Telephone: +358 96171
Internet address(es):
Main address: <http://www.helen.fi/index.html>

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

Procurement for Heat Pump Unit for Helen Ltd Vuosaari Power Plant
Reference number: 43323

II.1.2. Main CPV code

42123000 Compressors

II.1.3. Type of contract

Supplies

II.1.4. Short description

The scope of supply is 1 heat pump unit equipped with one or 2 turbo compressor and with minimum of 9,5 MW cooling capacity.

II.1.6. Information about lots

This contract is divided into lots: no

II.1.7. Total value of the procurement

Value excluding VAT: 4 962 624,00 EUR

II.2. Description

II.2.2. Additional CPV code(s)

42123000 Compressors

II.2.3. Place of performance

NUTS code: FI1B1 Helsinki-Uusimaa

II.2.4. Description of the procurement

The scope of supply is 1 heat pump unit equipped with 1 or 2 turbo compressor and with minimum of 9,5 MW cooling capacity.

Refrigerant R1234ze.

The heat pump must be designed with the values described below:

Cooling capacity (winter) 9,5 MW,

District heating water out (max) 82 oC,

District heating water in 43 oC,

Intermediate/evaporator circuit temperatures (winter) 24 oC/18 oC,

Intermediate/evaporator circuit temperatures (summer) 8 oC/3 oC,

ΔT_{min} in district heating circuit 22 oC.

The heat pump shall be designed with the possibility to use the sea water as the heat source during the time when the power plants are offline (seawater runs in its own circuit).

The heat pump shall be designed with the possibility of minimum cooling capacity 9,5 MW when the outlet temperature in district heating circuit is 65 oC.

Condenser:

Required heating capacity 11-15 MW.

Tube material carbon steel.

Evaporator:

Required cooling capacity minimum 9,5 MW.

Tube material carbon steel.

Maximum dimensions of the heat pump unit: 12 m x 6 m x 5 m (length x width x height).

Supply voltage 6 kV or 10 kV for the electric motor (will be determined in negotiations later).

The control range of the heat pump shall be 30 — 100 %.

Cooling COP minimum 3,5 and heating COP minimum 4 when district heating water out is 65 oC.

Maximum allowable power supply for heat pump 3,8 MVA.

II.2.5. Award criteria

Quality criterion - Name: Quality / Weighting: 40

Price - Weighting: 60

II.2.11. Information about options

Options: yes

Description of options:

Critical spare parts for the use of 10 years and operational spare parts for the use of 2 years.

One filling of the refrigerant for the heat pump.

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: yes

IV.2. Administrative information

IV.2.1. Previous publication concerning this procedure

Notice number in the OJ S: [2019/S 113-278507](#)

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:

Procurement for Heat Pump Unit for Helen Ltd Vuosaari Power Plant

A contract/lot is awarded: yes

V.2. Award of contract

V.2.1. Date of conclusion of the contract

03/02/2020

V.2.3. Name and address of the contractor

Official name: Friotherm AG

National registration number: 106.094.419

Postal address: Langfeldstrasse 104

Town: Frauenfeld

NUTS code: CH Schweiz / Suisse / Svizzera

Postal code: 8500

Country: Switzerland

The contractor is an SME: yes

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

V.2.5. Information about subcontracting

V.2.6. Price paid for bargain purchases

Section VI: Complementary information

VI.3. Additional information

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

25/02/2020