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Contract

Shawfair Energy Centre & District Heating Network

Midlothian Energy Limited (MEL)

F06: Contract award notice – utilities

Notice identifier: 2021/S 000-025431

Procurement identifier (OCID): ocds-h6vhtk-02d685

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Section I: Contracting entity

I.1) Name and addresses

Midlothian Energy Limited (MEL)

The Tun Building, 4 Jackson's Entry, Holyrood Road

Edinburgh

EH8 8PJ

Email

alastair.ngyou@vattenfall.com

Country

United Kingdom

NUTS code

UKM73 - East Lothian and Midlothian

Internet address(es)

Main address

<https://heat.vattenfall.co.uk/>

Buyer's address

https://www.publiccontractsscotland.gov.uk/search/Search_AuthProfile.aspx?ID=AA30527

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

Shawfair Energy Centre & District Heating Network

II.1.2) Main CPV code

- 45232140 - District-heating mains construction work

II.1.3) Type of contract

Works

II.1.4) Short description

MEL is seeking to procure a suitably experienced company to lead the successful design and construction of a heat network for the Shawfair area in Midlothian, Scotland. The heat network development will consist of a connection to a local Energy from Waste Plant, the construction of an Energy Centre complete with back-up boiler plant, District Heating Networks (DHN) and heat substations.

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 09300000 - Electricity, heating, solar and nuclear energy
- 09323000 - District heating
- 38551000 - Energy meters
- 42515000 - District heating boiler
- 44163120 - Distance-heating pipes
- 45000000 - Construction work
- 45232140 - District-heating mains construction work
- 45251000 - Construction works for power plants and heating plants

- 45251250 - District-heating plant construction work
- 71311000 - Civil engineering consultancy services
- 71314000 - Energy and related services
- 71314310 - Heating engineering services for buildings
- 71700000 - Monitoring and control services

II.2.3) Place of performance

NUTS codes

- UKM73 - East Lothian and Midlothian

Main site or place of performance

Shawfair

II.2.4) Description of the procurement

Shawfair is a new mix use residential and commercial development in Midlothian, Scotland. A local Energy from Waste plant (EfW) has heat of up to 95°C available as a by-product of its operations for the development area.

This project aims to connect the EfW waste heat to the development and to create a sustainable District Heating Network for the wider Midlothian area.

The heat is to be transported from the EfW to an Energy Centre (EC), from where the heat disperses into a District Heating Network (DHN). The capacity of the DHN will be about 16.5MW. The DHN will connect to both residential units and mixed use space including office, retail and community space.

When heat from the EfW is not available, it must be created at the EC. The EC will be fitted with boilers, thermal stores and other general equipment required for DHN operation, such as pressure keeping, and water quality control. It will also house the control system of the entire network.

Steel based district heating pipes will form the primary network that feeds the warm water to Heat Substations, where the water is hydraulically separated from secondary networks. The Secondary Off Plot networks will be polymer based district heating networks that transport warm water to the boundary of development plots.

NOTE : All Secondary On Plot DHN Networks are for the plot developer to coordinate the connection to all dwellings including the interfaces with the dwellings. This does not form

part of this scope.

The build programme for the works included in this contract notice will be approximately 24 months.

The project is new build.

It is anticipated that the contract scope shall include (but is not limited to) design and build of:

- Pipework and connections to EfW heat offtake system
- Energy Centre
- Electrical installation, instrumentation and controls
- Primary DHN Spine
- Initial Heat Sub Stations across wider plot development area
- Initial Off Plot Secondary district heating pipework

The contract will contain options for MEL to instruct the successful contractor to price and carry out the design and build of network extensions to new customers beyond the initial scope listed.

MEL reserves the right to benchmark the price of and additional works under a separate contract notice and potentially award those works to others.

II.2.11) Information about options

Options: Yes

Description of options

Please refer to section VI.3) Additional information.

II.2.13) Information about European Union Funds

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

Section IV. Procedure

IV.1) Description

IV.1.1) Type of procedure

Negotiated procedure with prior call for competition

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: [2021/S 000-020246](#)

Section V. Award of contract

A contract/lot is awarded: No

V.1) Information on non-award

The contract/lot is not awarded

Other reasons (discontinuation of procedure)

Section VI. Complementary information

VI.3) Additional information

All dates, timescales and values set out in this notice are estimates only and so subject to change during the tender process, if required. The date and time for tender submission will be confirmed in the invitation to negotiate.

The tender evaluation methodology will be published as part of the invitation to negotiate.

Under the terms of this contract the successful supplier(s) will be required to deliver community benefits in support of the MEL's economic and social objectives. Accordingly, contract performance conditions may relate in particular to social and environmental considerations. The community benefits included in this contract will be detailed within the

invitation to negotiate.

Description of options:

The contract value stated above includes a current estimated value for the phase 1 project (capital expenditure of an estimate 20 million GBP). The contract will contain options for MEL to instruct the successful contractor to price and carry out the design and build of network extensions to new customers beyond the initial scope as listed above but estimated to consist of:

- Additional Plant Rooms within an adjacent location (excluding civils and utilities)
- Additional Heat Sub Stations across wider plot development area (up to ~4MWth, excluding civils and utilities)
- Additional Primary DHN Spine
- Additional Off Plot Secondary district heating pipework
- Additional Electrical installation, instrumentation and controls

MEL estimates an allowance of a further 5 million GBP for the value of any network extensions that may be instructed at MEL's option.

(SC Ref:670263)

VI.4) Procedures for review

VI.4.1) Review body

Edinburgh Sheriff Court

27 Chambers Street

Edinburgh

EH1 1LB

Country

United Kingdom