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Planning

Dawdon Short Sea Outfall Works

The Coal Authority

F01: Prior information notice

Prior information only

Notice identifier: 2022/S 000-001876

Procurement identifier (OCID): ocids-h6vhtk-030ded

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Section I: Contracting authority

I.1) Name and addresses

The Coal Authority

200 Lichfield Lane

MANSFIELD

NG184RG

Contact

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Email

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Telephone

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Country

United Kingdom

NUTS code

UKF15 - North Nottinghamshire

Internet address(es)

Main address

<https://www.gov.uk/government/organisations/the-coal-authority>

I.3) Communication

The procurement documents are available for unrestricted and full direct access, free of charge, at

<https://inbye.coal.gov.uk/s2c/>

Additional information can be obtained from the above-mentioned address

I.4) Type of the contracting authority

Body governed by public law

I.5) Main activity

Public order and safety

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Dawdon Short Sea Outfall Works

II.1.2) Main CPV code

- 45231100 - General construction work for pipelines

II.1.3) Type of contract

Works

II.1.4) Short description

Dawdon Short Sea Outfall discharge Active treatment repair works.

Please see VI.3) Additional information of this notice for a more detailed description of the works.

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 44161400 - Underwater pipeline
- 44161410 - Subsea pipelines
- 44162300 - Outfall piping

II.2.3) Place of performance

NUTS codes

- UKC - North East (England)

II.2.4) Description of the procurement

The Coal Authority shall be tendering a contract for the refurbishment of existing sea outfall structure at Dawdon Mine Water Treatment Scheme, located approximately 1km

south of Dawdon, County Durham.

Prior to the Invitation to Tender we shall be holding an early supplier engagement video call to provide more details on the project and enable questions and answers.

The date of the early supplier engagement meeting is on Wednesday 23 March at 10:00. Suppliers who wish to attend are required to express their interest via the contact email above and the joining details will be provided.

The works will be undertaken in accordance with the NEC4 Engineering and Construction Contract and further details can be found at www.neccontract.com.

Please see VI.3) Additional information of this notice for a more detailed description of the works.

II.2.14) Additional information

To access the tender documentation tenderers must be registered on to the Authority's eTender portal InBye. In order to register please log on to <https://inbye.coal.gov.uk/s2c/>

II.3) Estimated date of publication of contract notice

1 March 2022

Section IV. Procedure

IV.1) Description

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

The procurement is covered by the Government Procurement Agreement: Yes

Section VI. Complementary information

VI.3) Additional information

The Dawdon short sea outfall consists of two parallel 200mm pipes with a gravity flow approximately 350m to the discharge point 140m metres from the shore. The pipes were installed through directional drilling and emerge from under the sea bed at the discharge point. Each pipe comes to a T piece with duck bill diffuser elements fitted to each end of the T section.

The base of the discharge arrangement was not sufficiently supported and this has allowed the pipework to rotate impacting discharge flows.

This needs to be repaired and returned to the correct position with improvements to the support of the diffusers from a pre cast concrete base. The diffusers also had a protective structure that has been dislodged and this needs to be replaced by a new protective sleeve and cap. The protective sleeve can either be a pre-cast concrete pipe or an HDPE pipe section which will be capped by a pre-cast concrete or GRP lid.

The replacement duckbills will have to be fitted after the sleeve is placed. Alternatively, arch shaped cut-outs could be implemented, to fit over the duckbills. The "duckbill" check valves will protrude slightly through holes/ windows prepared for purpose and will discharge normally.

Construction

Due to operational requirements shut down of the pipelines must be well planned and durations kept to a minimum. Based on our feasibility studies the shutdowns are estimated to be no longer than 3 hours per pipeline. All the rehabilitation operations that require no flow through the pipe must be programmed to take place at the same time so that only one shut-down period is required.

The following tasks will need to be completed under shutdown:

- Disconnection of the flange adapter and replace.
- Align the diffuser to vertical and temporarily secure.
- Remove the diffuser Tideflex Check Valves.
- Drop the protection sleeve into position.
- Replacing the diffuser Tideflex Check Valves

Divers to conduct the following site preparation activities.

- Clearing loose rubble around the flange adapter and concrete base footprint.
- Rock drilling may be required to level concrete base footprint.

After Pipeline Shutdown

- Replace/ rehabilitate and install:
- Blank flange o Sacrificial break away spool piece (optional)
- Flange Adapter - and right the diffuser to vertical alignment.
- Remove the diffuser Tideflex Check Valves.
- Place and secure precast concrete base
- Drop the protection sleeve into position.
- Replace the diffuser Tideflex Check Valves

After Resume Pipeline Flow

- Grout fill around flange adapter.
- Place and secure protective sleeve cap.
- A marker buoy with independent anchorage is also to be installed.

Evidence of quality control measures and that the installation is as per design are required.