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Planning

Thames Barrier - Mirrlees Blackstone engines three-quarter life survey

ENVIRONMENT AGENCY (Defra Network eTendering Portal)

F01: Prior information notice

Prior information only

Notice identifier: 2023/S 000-037125

Procurement identifier (OCID): ocds-h6vhtk-042675

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Section I: Contracting authority

I.1) Name and addresses

ENVIRONMENT AGENCY (Defra Network eTendering Portal)

Seacole Building, 2 Marsham Street

London

SW1P 4DF

Email

lu.mao@defra.gov.uk

Country

United Kingdom

Region code

UK - United Kingdom

Internet address(es)

Main address

<https://www.gov.uk/government/organisations/department-for-environment-food-rural-affairs>

Buyer's address

<https://defra-family.force.com/s/Welcome>

I.3) Communication

Additional information can be obtained from the above-mentioned address

I.4) Type of the contracting authority

National or federal Agency/Office

I.5) Main activity

Environment

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Thames Barrier - Mirrlees Blackstone engines three-quarter life survey

II.1.2) Main CPV code

- 50532300 - Repair and maintenance services of generators

II.1.3) Type of contract

Services

II.1.4) Short description

Provision of inspections and services, including replacing spares, to enable the engines to be suitable for a further 10-15 years period.

The engineer/s working on the project must have in-depth knowledge of ESL 16 twin bank engines, with proven evidence of experience. The successful supplier will provide spares when required, within a reasonable lead time, with proof of conformity that all spare parts to be used within the contract are new, unused genuine/OEM original supply by issue of Certificate of Conformity/Authenticity from OEM.

The opportunity is being administered on Defra's e-tendering portal:

<https://defra-family.force.com/s/Welcome>

If you are interested in this tender, please register your interest on the above portal, by 17:00, 21/01/2024.

Please note that any personnel who will deliver the works on site will be required to have a minimum of CTC (Counter Terrorist Check) clearance, prior to the award of the contract.

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 50532300 - Repair and maintenance services of generators

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

II.2.4) Description of the procurement

The three Mirrlees Blackstone engines (ESL16 twin bank engine) installed at Thames Barrier are fast approaching their anticipated three-quarter life survey. The following inspections and component overhaul are proposed, in order to enable the engines to be suitable for a further 10-15-year period.

1. Nodal Damper Coupling (NDC) fluid level check
2. Gearbox bearing and final alignment verification
3. Cylinder Liner Nose O-ring Renewal
4. Liner deglazing and Piston Ring Pack replacement
5. Cylinder Head Decarbonising and Pressure Test
6. Jacket Water Pump.
7. Standard Service Procedures

Within procedures 1 - 6 carry out standard service work to include:

- Recalibration of fuel injectors (does not include nozzle replacement)
 - Pressure testing of internal fuel system
 - Renewal of lube oil filter elements (engine)
 - Renewal of lube oil filter elements (gearbox)
 - Renewal of fuel filter elements
 - Re-setting of exhaust valve tappet clearances
 - Visual Inspection of internal pipework
 - Visual Inspection of camshaft assembly and drive gear train
 - Visual Inspect all coolers and heat exchangers for external leakages
 - Operational check and adjustment of mechanical overspeed
 - Operational check and adjustment of decompression system
 - Renewal of all crankcase and camshaft door joints
 - Check and record crankshaft deflections
 - Measure and record crankshaft end float
 - Operational check and adjustment of internal and external fuel rack linkage
 - Operational check of engine and gearbox lube oil pre-prime system
8. Recalibration of on engine sensors
 9. Re-commissioning / load test

II.3) Estimated date of publication of contract notice

1 March 2024

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: No