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Planning

Lower Thames Crossing (LTC) Low Carbon Hydrogen Supply

National Highways

F01: Prior information notice

Prior information only

Notice identifier: 2023/S 000-016115

Procurement identifier (OCID): ocds-h6vhtk-03d447

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Section I: Contracting authority

I.1) Name and addresses

National Highways

Woodlands, Manton Lane

Bedford

MK41 7LW

Contact

Pavanjit Mann

Email

Pavanjit.Mann@lowerthamescrossing.co.uk

Country

United Kingdom

Region code

UK - United Kingdom

Internet address(es)

Main address

<https://nationalhighways.co.uk/>

I.2) Information about joint procurement

The contract is awarded by a central purchasing body

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

General public services

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Lower Thames Crossing (LTC) Low Carbon Hydrogen Supply

II.1.2) Main CPV code

- 24111600 - Hydrogen

II.1.3) Type of contract

Supplies

II.1.4) Short description

National Highways is the government company charged with operating, maintaining and improving England's strategic road networks. The Lower Thames Crossing (LTC) is a proposed new road connecting Kent, Thurrock and Essex through tunnels underneath the River Thames. The Programme will relieve the congested Dartford Crossing and approach roads and improve their performance by providing sufficient north-south road capacity. National Highways is in the process of awarding three contracts to Main Contractors who will be responsible for the design and build of LTC. The three main contracts are: Roads North of the Thames contract, the Tunnels and Approaches contract and the Kent Roads contract. It is anticipated that all three contracts will be awarded to the Main Contractors by the end of 2023.

National Highways has designated LTC a pathfinder project that will explore carbon neutral construction. Low Carbon Hydrogen is a key element in LTC's strategy to deliver its carbon reduction targets and a key objective of this procurement is to enable a significant reduction in the use of diesel on the programme by enabling the use of hydrogen powered plant, machinery and generators. The procurement covers the production, delivery and storage on site of Low Carbon Hydrogen for use by the LTC appointed Main Contractors to fuel their construction plant and equipment. Making hydrogen easily available could displace over one third of the diesel forecast to be used during construction.

Further details on the Lower Thames Project can be found here – <https://nationalhighways.co.uk/our-roads/lower-thames-crossing/>

II.1.5) Estimated total value

Value excluding VAT: £50,000,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 09000000 - Petroleum products, fuel, electricity and other sources of energy
- 24111600 - Hydrogen
- 31000000 - Electrical machinery, apparatus, equipment and consumables; lighting

- 42000000 - Industrial machinery
- 43000000 - Machinery for mining, quarrying, construction equipment
- 43200000 - Earthmoving and excavating machinery, and associated parts
- 43300000 - Construction machinery and equipment
- 45000000 - Construction work
- 65000000 - Public utilities
- 65400000 - Other sources of energy supplies and distribution
- 71311000 - Civil engineering consultancy services
- 71314300 - Energy-efficiency consultancy services

II.2.3) Place of performance

NUTS codes

- UKH - East of England
- UKH32 - Thurrock
- UKJ4 - Kent

II.2.4) Description of the procurement

The PIN notice is to provide information ahead of the contract notice and SQ tender documents for this procurement.

LTC is dedicated to achieving the lowest carbon solution to deliver the works. The scope of this procurement requires supply of an estimated 6200 tonnes of Low Carbon Hydrogen over 5 years with delivery and storage on site as required. The Low Carbon Hydrogen supply contract has an estimated contract commencement date in mid-2024 with supply of hydrogen commencing in 2027.

The implementation of a Low Carbon Hydrogen Supply contract will be enabled for use by Lower Thames Crossing Main Works Contractors. The contract will be procured under the Competitive Dialogue Procedure (Public Contracts Regulations 2015) with a contract based on an NEC4 form.

II.3) Estimated date of publication of contract notice

30 June 2023

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

This PIN is issued solely for the purpose of informing the market of a future procurement and does not constitute any commitment by National Highways to undertake any public procurement process.

This PIN does not constitute a call for competition, to procure and works, supplies or services and is not published to reduce time limited for the receipt of tenders.

National Highways will not be liable for any costs, fees or expenses incurred by any party responding to this PIN.

Please note this prior information notice is to provide information only at this stage.

All suppliers wishing to express an interest to this procurement, please email contact above stating your full name and organisation.