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Planning

Energy Hubs: Trackside Batteries

Network Rail Infrastructure Ltd

F04: Periodic indicative notice – utilities

Periodic indicative notice only

Notice identifier: 2024/S 000-015402

Procurement identifier (OCID): ocds-h6vhtk-0459b0

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Section I: Contracting entity

I.1) Name and addresses

Network Rail Infrastructure Ltd

Waterloo General Offices

London

SE1 8SW

Email

jamie.simpson@networkrail.co.uk

Telephone

+44 1908781000

Country

United Kingdom

Region code

UKM - Scotland

National registration number

02904587

Internet address(es)

Main address

www.networkrail.co.uk

I.3) Communication

Additional information can be obtained from the above-mentioned address

Electronic communication requires the use of tools and devices that are not generally available. Unrestricted and full direct access to these tools and devices is possible, free of charge, at

www.networkrail.bravosolution.co.uk

I.6) Main activity

Electricity

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Energy Hubs: Trackside Batteries

II.1.2) Main CPV code

- 09000000 - Petroleum products, fuel, electricity and other sources of energy

II.1.3) Type of contract

Supplies

II.1.4) Short description

Network Rail is seeking a partner to design, develop, construct and operate over their lifetime a portfolio of multi MW scale battery systems to support rail traction power and is publishing this PIN with the intention of holding a supplier engagement briefing.

Network Rail purchases 3.7TWh of electricity to provide traction power for passenger and freight trains using over 105 connections to the transmission and distribution electricity networks. Future electrification and battery trains will significantly increase traction power and connection points.

Traction power loads have high peaks as well as periods of low consumption. Trackside battery systems can manage consumption for the benefit of the rail and power system operators. Trackside batteries can be located near current and future grid connection points or at many more locations close to an electrified rail line.

Network Rail is working with Scottish Power Energy Networks, GE, Ricardo, Leeds University and NG-ESO to demonstrate a MW scale trackside battery at a site in Scotland.

Part of the demonstration project is to develop the path for wider commercial implementation of larger trackside battery systems at a number of locations.

Network Rail is seeking a partner to design, develop, construct and operate a portfolio under a long-term services estimated at £150 to £200million.

II.1.5) Estimated total value

Value excluding VAT: £1

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
- 09330000 - Solar energy
- 31000000 - Electrical machinery, apparatus, equipment and consumables; lighting
- 65300000 - Electricity distribution and related services

II.2.3) Place of performance

NUTS codes

- UKM - Scotland

Main site or place of performance

Scotland

II.2.4) Description of the procurement

Network Rail intends to hold an engagement briefing for this procurement event via Microsoft Teams.

The call will take place on Wednesday 12th June 2024 at 10am and will last up to 60mins

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Interested parties are invited to confirm attendance via the BRAVO platform.

Invite links will then be sent on ahead of the call on the Wednesday.

II.2.14) Additional information

Attendance to be logged via Bravo NR

II.3) Estimated date of publication of contract notice

1 January 2030

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