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Tender

## **NGET Call For Innovation - Innovative Substation Auxiliary Load Solutions**

NATIONAL GRID ELECTRICITY TRANSMISSION PLC

F05: Contract notice – utilities

Notice identifier: 2022/S 000-006810

Procurement identifier (OCID): ocids-h6vhtk-032134

Published 14 March 2022, 9:46am

### **Section I: Contracting entity**

#### **I.1) Name and addresses**

NATIONAL GRID ELECTRICITY TRANSMISSION PLC

1 - 3 Strand

LONDON

WC2N5EH

#### **Contact**

Lewis Gardner

#### **Email**

[lewis.gardner@nationalgrid.com](mailto:lewis.gardner@nationalgrid.com)

#### **Telephone**

+44 7971241483

#### **Country**

United Kingdom

**NUTS code**

UK - United Kingdom

**Internet address(es)**

Main address

<https://www.nationalgrid.com/electricity-transmission/innovation>

**I.3) Communication**

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

<https://www.nationalgrid.com/gas-transmission/innovation/how-to-work-with-us>

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

<https://www.nationalgrid.com/gas-transmission/innovation/how-to-work-with-us>

**I.6) Main activity**

Electricity

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## **Section II: Object**

### **II.1) Scope of the procurement**

#### **II.1.1) Title**

NGET Call For Innovation - Innovative Substation Auxiliary Load Solutions

Reference number

CFI-001

#### **II.1.2) Main CPV code**

- 51112200 - Installation services of electricity control equipment

#### **II.1.3) Type of contract**

Services

#### **II.1.4) Short description**

The Call for Innovation (CFI) is an approach to the market to see what products and services are available in the industry with funding coming from Ofgem's Network Innovation Allowance.

A CFI is not a formal competitive tender process but is an approach to the market with a specific problem statement or topic of interest that National Grid would like to hear ideas about from the marketplace.

All information received will be used to consider whether we want to engage with a specific supplier or whether we believe a competitive tender approach is required. Essentially this CFI will inform or dictate our procurement strategy.

#### **II.1.6) Information about lots**

This contract is divided into lots: No

### **II.2) Description**

#### **II.2.3) Place of performance**

NUTS codes

- UK - United Kingdom

## **II.2.4) Description of the procurement**

To tackle climate change by reducing emissions and enhance the reliability and resilience of backup power systems, NGET, is seeking to establish a new commercial approach with a 3rd party supplier, to trial new backup power systems or combined standby and generation assets that are low carbon alternatives to the traditional battery and diesel assets that are used across its substations.

NGET's substations need both AC and DC power for the safe reliable operation of the network including protection, control, critical plant and equipment such as transformers, reactors, and switchgear. Traditionally, incoming AC supplies are derived from a DNO (via distribution transformers) and DC power from substation batteries (VRLA, Planté and some Ni-Cad). In addition, backup diesel generators (gensets) provide standby AC power in the event of a loss of supply event.

The purpose of this CFI is to help National Grid identify:

### **1. Products**

- a. New technologies capable of providing in the region of 300 - 500kVA low emission backup power to a substation for a minimum of 72 hours with no external supply; and/or,
- b. Novel technology capable of delivering energy solutions that can meet all or part of the substation load demand (AC/DC) during normal and standby operations (as a priority) combined with commercial generation (MW) that can synchronise to the GB electricity network\*.

### **2. Services**

- a. Service offerings related to the provision of power during a loss of supply event.

This CFI will inform NGET's approach to obtaining the required resource / improve NGET's knowledge of the backup power and generation market.

## **II.2.5) Award criteria**

Price is not the only award criterion and all criteria are stated only in the procurement documents

## **II.2.7) Duration of the contract, framework agreement or dynamic purchasing system**

Duration in months

This contract is subject to renewal

No

#### **II.2.10) Information about variants**

Variants will be accepted: Yes

#### **II.2.11) Information about options**

Options: Yes

Description of options

NGET will have the option to extend the term of any agreement.

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## **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.2.2) Time limit for receipt of tenders or requests to participate**

Date

14 April 2022

Local time

5:00pm

#### **IV.2.4) Languages in which tenders or requests to participate may be submitted**

English

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## **Section VI. Complementary information**

### **VI.1) Information about recurrence**

This is a recurrent procurement: No

### **VI.4) Procedures for review**

#### **VI.4.1) Review body**

National Grid Electricity Transmission Plc

Warwick

Country

United Kingdom