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**United Kingdom-London: Switches
2020/S 163-397470**

Prior information notice

This notice is for prior information only

Supplies

Legal Basis:

Directive 2014/24/EU

Section I: Contracting authority

I.1) Name and addresses

Official name: Network Rail Infrastructure Ltd
Postal address: 1 Eversholt Street
Town: London
NUTS code: UK UNITED KINGDOM
Postal code: NW1 2DN
Country: United Kingdom
E-mail: katherine.parkinson@networkrail.co.uk
Telephone: +44 7732642192

Internet address(es):

Main address: www.networkrail.co.uk

I.2) Information about joint procurement

I.3) Communication

Additional information can be obtained from another address:

Official name: Network Rail Infrastructure Ltd
Postal address: 1 Eversholt Street
Town: London
NUTS code: UK UNITED KINGDOM
Country: United Kingdom
E-mail: Katherine.Parkinson@networkrail.co.uk
Telephone: +44 7732642192

Internet address(es):

Main address: www.networkrail.co.uk

I.4) Type of the contracting authority

Body governed by public law

I.5) Main activity

Other activity: Railway Services

Section II: Object

II.1) Scope of the procurement

II.1.1) Title:

High Speed Switches and Crossings Development

II.1.2) **Main CPV code**

31214100 Switches

II.1.3) **Type of contract**

Supplies

II.1.4) **Short description:**

Current S&C designs product accepted for use on Network Rail infrastructure have a maximum turnout speed limited to 90 mph. Other infrastructure managers (including the UK-based HS1 Ltd) have S&C in day-to-day operation with higher turnout speeds and it is recognised that it will be beneficial to UK rail industry for Network Rail also to have S&C equipment with this higher turnout speed capability.

The need for this capability has been highlighted by High Speed 2 (HS2). The planned HS2 infrastructure includes a number of connections to Network Rail routes and, to maximise benefits (journey times and capacity), it will be advantageous for HS2 services to run from/to network rail infrastructure at the existing network through route line speed. This will not be possible if turnout speeds are limited to 90 mph.

The Network Rail Technical Authority have been asked by the HS2 Integration Team within System Operator to scope the work required to introduce Switches and Crossings (S&C) design.

II.1.5) **Estimated total value**

II.1.6) **Information about lots**

This contract is divided into lots: no

II.2) **Description**

II.2.1) **Title:**

II.2.2) **Additional CPV code(s)**

31214110 Isolating switches

31214120 Earthing switch

31214130 Safety switches

31214140 Dimmer switches

31214150 Drum switches

31214160 Pressure switches

31214170 Toggle switches

31214180 Slide switches

31214190 Limit switches

34946220 Switch blades, crossing frogs, point rods and crossing pieces

34946224 Crossing pieces

45234140 Level crossing construction works

II.2.3) **Place of performance**

NUTS code: UK UNITED KINGDOM

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

As part of the Phase 1 activities of this project, Network Rail is seeking to confirm a development strategy for higher speed turnouts. This strategy will consider the most suitable available option that meets Network Rail's technical and commercial requirements.

The two proposed high-level strategies are as follows

1) Expand Network Rail's existing 'premium' S&C system (NR60 Mark 2) to incorporate the higher turnout speeds. This will typically include application of larger turnout geometries to this existing proven component

design. A proven swing nose crossing design and associated actuation, locking and detection (ALD) equipment would be procured from the market.

2) Use a supplier's existing commercial off-the-shelf (COTS) high speed turnout design. The chosen supplier would be responsible for implementing all aspects of the design, including but not limited to: geometry, component design, fastening systems, ALD (both switch and swing nose crossing), swing nose crossing.

II.2.14) **Additional information**

II.3) **Estimated date of publication of contract notice:**
31/05/2021

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

Section VI: Complementary information

VI.3) **Additional information:**

If you are interested in this tender opportunity, please email Katherine Parkinson at the following email address:

Katherine.Parkinson@networkrail.co.uk

You will then be sent across a questionnaire to complete and send back to Network Rail by Wednesday 9 September 2020.

VI.5) **Date of dispatch of this notice:**
19/08/2020