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Contract

High Voltage (HV) Power System for the HS2 Project

High Speed Two (HS2) Ltd

F06: Contract award notice – utilities

Notice identifier: 2025/S 000-006031

Procurement identifier (OCID): ocds-h6vhtk-04e489

Published 20 February 2025, 6:27am

Section I: Contracting entity

I.1) Name and addresses

High Speed Two (HS2) Ltd

High Speed Two (HS2) Ltd, Two Snowhill, Queensway

Birmingham

B4 6GA

Email

scc@hs2.org.uk

Telephone

+44 2079443000

Country

United Kingdom

Region code

UK - United Kingdom

Internet address(es)

Main address

<https://www.gov.uk/government/organisations/high-speed-two-limited>

Buyer's address

<https://hs2.bravosolution.co.uk/web/index.html>

I.6) Main activity

Railway services

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

High Voltage (HV) Power System for the HS2 Project

II.1.2) Main CPV code

- 45230000 - Construction work for pipelines, communication and power lines, for highways, roads, airfields and railways; flatwork

II.1.3) Type of contract

Works

II.1.4) Short description

This contract relates to a single package of work for Design and build of High Voltage (HV) Power Systems for the HS2 Project plus a separate contract for ongoing maintenance. The scope of work includes the design, build, testing & commissioning, training, and provision of all required hand-over documentation & spares. The scope also includes interfacing with Distribution Network Operators (DNO), National Grid, and procuring of consents. The scope of work for maintenance includes the ongoing maintenance of the completed works.

II.1.6) Information about lots

This contract is divided into lots: No

II.1.7) Total value of the procurement (excluding VAT)

Value excluding VAT: £328,237,076.84

II.2) Description

II.2.2) Additional CPV code(s)

- 31170000 - Transformers
- 31174000 - Power supply transformers
- 31214000 - Switchgear
- 31321300 - High-voltage cable
- 31682540 - Substation equipment
- 34632300 - Electrical installations for railways
- 34940000 - Railway equipment
- 42961200 - Scada or equivalent system
- 45234100 - Railway construction works
- 45310000 - Electrical installation work
- 45315400 - High voltage installation work
- 45317200 - Electrical installation work of transformers
- 45317300 - Electrical installation work of electrical distribution apparatus
- 50200000 - Repair, maintenance and associated services related to aircraft, railways, roads and marine equipment
- 71320000 - Engineering design services

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

Main site or place of performance

United Kingdom

II.2.4) Description of the procurement

The High Voltage (HV) Power Systems package of work comprises:

- design, build, testing and commissioning of the High Voltage (HV) traction power systems, 33kV and 11kV non-traction power systems and HV SCADA (Supervisory Control and Data Acquisition) for the HS2 Project.
- ongoing maintenance activities in connection with the High Voltage (HV) Power Systems.

The HV Traction Power Systems include a traction power electrification system which will be a -25-0-25kV Autotransformer system with a nominal fault current level of 15 kA. The system will be designed to supply traction power into the Overhead Catenary System (OCS) – provided by others to enable the railway operator to run its specified train timetable.

The non-traction power systems will supply all necessary railway systems facilities in tunnels and open route at the appropriate, power demand and system availability. The non-traction power systems will be a dedicated private network distributed within the tunnels and open route supplied by connections to the DNO (provided by the Employer).

The 33kV and 11kV is to be transformed down at specified locations by the contractor to enable the onward supply of LV power (provided by others) to stations, shafts, portals, tunnels and rail systems.

The High Voltage (HV) Power Systems Contractor is the Principal Contractor (PC) for the railway systems compounds. The High Voltage (HV) Power Systems Contractor will supply traction and non-traction power to the HS2 rolling-stock maintenance depot at Washwood Heath (Birmingham), this will include interfacing with the Network Integrated Control Centre (NICC).

The HV Power Systems Contractor is required to provide temporary supplies for construction use at its Railway Systems Compounds (RSC) where it is principal contractor, this may involve adopting the temporary supplies previously provided by MWCC.

This notice also relates to a maintenance contract, pursuant to which the contractor shall provide maintenance services in relation to the completed works. The maintenance contract will be valid for an initial term of 7 years with options to extend and will commence on the first sectional completion of the works under the design and build contract.

II.2.5) Award criteria

Quality criterion - Name: Qualification Envelope and Compliance / Weighting: Pass/Fail

Quality criterion - Name: Technical / Weighting: 70%

Cost criterion - Name: Commercial / Weighting: 30%

II.2.11) Information about options

Options: No

II.2.13) Information about European Union Funds

The procurement is related to a project and/or programme financed by European Union funds: No

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: Yes

IV.2) Administrative information

IV.2.1) Previous publication concerning this procedure

Notice number: [2016/S 207-374948](#)

Section V. Award of contract

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

20 January 2025

V.2.2) Information about tenders

Number of tenders received: 7

Number of tenders received by electronic means: 7

The contract has been awarded to a group of economic operators: No

V.2.3) Name and address of the contractor

Siemens Mobility Costain JV

6th Floor, The Lantern, 75 Hampstead Court

London

NW1 2PL

Country

United Kingdom

NUTS code

- UK - United Kingdom

The contractor is an SME

No

Section VI. Complementary information

VI.4) Procedures for review

VI.4.1) Review body

High Court

London

Country

United Kingdom

VI.4.2) Body responsible for mediation procedures

High Court

London

Country

United Kingdom