

This is a published notice on the Find a Tender service: <https://www.find-tender.service.gov.uk/Notice/029008-2024>

Tender

EV Charge Point Management System (CPMS)

Network Rail Infrastructure Ltd

F05: Contract notice – utilities

Notice identifier: 2024/S 000-029008

Procurement identifier (OCID): ocds-h6vhtk-0499c0

Published 10 September 2024, 4:56pm

Section I: Contracting entity

I.1) Name and addresses

Network Rail Infrastructure Ltd

Waterloo General Offices

London

SE1 8SW

Email

john.weston@networkrail.co.uk

Country

United Kingdom

Region code

UK - United Kingdom

National registration number

2904587

Internet address(es)

Main address

www.networkrail.co.uk

Buyer's address

www.networkrail.co.uk

I.3) Communication

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

<https://networkrail.bravosolution.co.uk/>

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

<https://networkrail.bravosolution.co.uk/>

Tenders or requests to participate must be submitted to the above-mentioned address

I.6) Main activity

Railway services

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

EV Charge Point Management System (CPMS)

II.1.2) Main CPV code

- 64226000 - Telematics services

II.1.3) Type of contract

Services

II.1.4) Short description

Network Rail is undertaking a Decarbonisation and Energy Efficiency Programme across a wide range of built assets in all UK regions. This project is part of Network Rail's commitment to the Government's Road to Zero strategy, aiming to achieve zero carbon emissions through the transition to cleaner and more sustainable energy sources. The programme supports Network Rail's overarching Environmental Sustainability Strategy, which outlines our targets to reduce carbon and energy consumption across all operations.

As one of the largest electricity consumers in the UK, Network Rail has set ambitious targets to decarbonise both traction and non-traction electricity consumption. This will be achieved, in part, through Power Purchase Agreements (PPAs) that stabilise electricity costs, provide long-term financial resilience, and directly contribute to our decarbonisation goals.

The scope of this procurement event focuses on the implementation of a Charge Point Management System (CPMS) that will underpin Network Rail's electric vehicle (EV) infrastructure across its sites. The CPMS will play a critical role in supporting Network Rail's sustainability objectives by ensuring the efficient management, monitoring, and optimisation of the electric vehicle charging infrastructure. This will contribute to the broader decarbonisation efforts and the transition towards energy-efficient operations.

The system to be procured must integrate seamlessly with existing infrastructure, provide real-time data on performance and usage, enable smart charging capabilities to optimise energy consumption, and support billing and payment processes. Furthermore, the CPMS must be scalable to accommodate future expansion, supporting Network Rail's target to manage up to 10,000 charge points within the next five years.

The key objectives of the CPMS procurement include:

- **Management and scalability:** The system must manage an existing network of 200 charge points, with the capacity to scale to over 3,000 charge points in the first two years and up to 10,000 charge points within five years.
- **Regulatory compliance:** The CPMS must ensure full compliance with all relevant regulatory standards, including data security and GDPR.
- **Operational efficiency:** The system must include advanced features such as smart charging, dynamic load management, and predictive maintenance to optimise performance and reduce costs.
- **Reporting and analytics:** The CPMS must offer comprehensive reporting and analytics tools to enable data-driven decision-making and performance monitoring.
- **User satisfaction:** The system should feature an intuitive, user-friendly interface and be supported by robust training and ongoing technical support to ensure high user satisfaction.
- **Sustainability integration:** The system should support Network Rail's sustainability goals by incorporating renewable energy sources and enabling advanced energy management features.
- **Seamless roaming capabilities:** The CPMS must facilitate seamless roaming, allowing users to access various charging networks and integrate with public charging infrastructure.

This procurement is key to supporting Network Rail's environmental strategy, improving operational efficiency, and achieving long-term carbon reduction targets.

II.1.5) Estimated total value

Value excluding VAT: £8,500,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 31158000 - Chargers

- 31158100 - Battery chargers
- 31681500 - Rechargers
- 34144900 - Electric vehicles
- 63712000 - Support services for road transport

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

Main site or place of performance

London

II.2.4) Description of the procurement

Network Rail is undertaking a Decarbonisation and Energy Efficiency Programme across a wide range of built assets in all UK regions. This project is part of Network Rail's commitment to the Government's Road to Zero strategy, aiming to achieve zero carbon emissions through the transition to cleaner and more sustainable energy sources. The programme supports Network Rail's overarching Environmental Sustainability Strategy, which outlines our targets to reduce carbon and energy consumption across all operations.

As one of the largest electricity consumers in the UK, Network Rail has set ambitious targets to decarbonise both traction and non-traction electricity consumption. This will be achieved, in part, through Power Purchase Agreements (PPAs) that stabilise electricity costs, provide long-term financial resilience, and directly contribute to our decarbonisation goals.

The scope of this procurement event focuses on the implementation of a Charge Point Management System (CPMS) that will underpin Network Rail's electric vehicle (EV) infrastructure across its sites. The CPMS will play a critical role in supporting Network Rail's sustainability objectives by ensuring the efficient management, monitoring, and optimisation of the electric vehicle charging infrastructure. This will contribute to the broader decarbonisation efforts and the transition towards energy-efficient operations.

The system to be procured must integrate seamlessly with existing infrastructure, provide real-time data on performance and usage, enable smart charging capabilities to optimise energy consumption, and support billing and payment processes. Furthermore, the CPMS must be scalable to accommodate future expansion, supporting Network Rail's target to manage up to 10,000 charge points within the next five years.

The key objectives of the CPMS procurement include:

- **Management and scalability:** The system must manage an existing network of 200 charge points, with the capacity to scale to over 3,000 charge points in the first two years and up to 10,000 charge points within five years.
- **Regulatory compliance:** The CPMS must ensure full compliance with all relevant regulatory standards, including data security and GDPR.
- **Operational efficiency:** The system must include advanced features such as smart charging, dynamic load management, and predictive maintenance to optimise performance and reduce costs.
- **Reporting and analytics:** The CPMS must offer comprehensive reporting and analytics tools to enable data-driven decision-making and performance monitoring.
- **User satisfaction:** The system should feature an intuitive, user-friendly interface and be supported by robust training and ongoing technical support to ensure high user satisfaction.
- **Sustainability integration:** The system should support Network Rail's sustainability goals by incorporating renewable energy sources and enabling advanced energy management features.
- **Seamless roaming capabilities:** The CPMS must facilitate seamless roaming, allowing users to access various charging networks and integrate with public charging infrastructure.

This procurement is key to supporting Network Rail's environmental strategy, improving operational efficiency, and achieving long-term carbon reduction targets.

II.2.5) Award criteria

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

II.2.6) Estimated value

Value excluding VAT: £8,500,000

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

Duration in months

96

This contract is subject to renewal

No

II.2.9) Information about the limits on the number of candidates to be invited

Envisaged number of candidates: 8

Objective criteria for choosing the limited number of candidates:

As stated in the procurement documentation.

II.2.10) Information about variants

Variants will be accepted: No

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

II.2.14) Additional information

In order to express an interest and download the procurement documentation you must register with the NR Bravo system at the address listed:

<https://networkrail.bravosolution.co.uk/>

Section III. Legal, economic, financial and technical information

III.1) Conditions for participation

III.1.2) Economic and financial standing

Selection criteria as stated in the procurement documents

III.1.3) Technical and professional ability

Selection criteria as stated in the procurement documents

III.1.6) Deposits and guarantees required

As stated in the procurement documentation.

III.1.7) Main financing conditions and payment arrangements and/or reference to the relevant provisions governing them

As stated in the procurement documentation.

III.2) Conditions related to the contract

III.2.2) Contract performance conditions

As stated in the procurement documentation.

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

Date

18 October 2024

Local time

2:00pm

IV.2.3) Estimated date of dispatch of invitations to tender or to participate to selected candidates

25 November 2024

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

English

IV.2.6) Minimum time frame during which the tenderer must maintain the tender

Duration in months: 6 (from the date stated for receipt of tender)

Section VI. Complementary information

VI.1) Information about recurrence

This is a recurrent procurement: No

VI.2) Information about electronic workflows

Electronic ordering will be used

Electronic invoicing will be accepted

Electronic payment will be used

VI.4) Procedures for review

VI.4.1) Review body

Network Rail

London

Country

United Kingdom