

Norway-Oslo: Railway traffic control software development services

OJ S 8/2022 12/01/2022

Contract award notice – utilities

Services

Legal Basis:

Directive 2014/25/EU

Section I: Contracting entity

I.1. Name and addresses

Official name: Sporveien AS

National registration number: 915 070 434

Postal address: Økernveien 9

Town: Oslo

NUTS code: NO08 Oslo og Viken

Postal code: 0608

Country: Norway

Contact person: Gry Lode Wiig

E-mail: Gry.Lode.Wiig@sporveien.com

Telephone: +47 22084000

Internet address(es):Main address: <http://www.sporveien.com>Address of the buyer profile: <https://kgv.doffin.no/ctm/Company/CompanyInformation/Index/1128>**I.6. Main activity**

Recreation, culture and religion

Section II: Object

II.1. Scope of the procurement**II.1.1. Title**

New Signalling System CBTC

Reference number: KON-01302

II.1.2. Main CPV code

72212140 Railway traffic control software development services

II.1.3. Type of contract

Services

II.1.4. Short description

Sporveien AS is a municipal owned public transport operator of Oslo, Norway that operates and maintains Oslo Metro and Oslo Tramway, as well as owning several operating subsidiaries. Sporveien will through the project New Signalling System CBTC implement a new signalling system and an operation management and supervision system for the complete Oslo Metro network, including Depots, the new line from Majorstuen to Fornebu ("Fornebusbanen") and equipping and modifying the rolling stock.

The main objective of the project is to completely replace the Legacy Signalling Systems with a new CBTC signalling system and by this replacement increase the transport capacity for Oslo Metro and improve the safety and punctuality of the Oslo Metro operation. A final important goal of the project is that the CBTC System shall be adaptable to new needs as well as changes to the Oslo Metro infrastructure and rolling stock during the whole technical lifetime of the system.

II.1.6. Information about lots

This contract is divided into lots: no

II.2. Description

II.2.2. Additional CPV code(s)

34942000 Signalling equipment, 45316200 Installation of signalling equipment, 71320000 Engineering design services, 50324100 System maintenance services, 50000000 Repair and maintenance services, 34632000 Railways traffic-control equipment, 34632200 Electrical signalling equipment for railways, 34632300 Electrical installations for railways, 45234120 Urban railway works, 48140000 Railway traffic control software package, 45234115 Railway signalling works, 72200000 Software programming and consultancy services, 72227000 Software integration consultancy services, 34943000 Train-monitoring system

II.2.3. Place of performance

NUTS code: NO08 Oslo og Viken

II.2.4. Description of the procurement

Contracting Authority intends to procure a new CBTC signalling system comprising of the following main deliveries and functions:

- Signalling and interlocking for the entire Oslo Metro network including Fornebubanen and depots.
- Operation management and supervision system integrated in the operation control centre (OCC).
- CBTC integration in passenger trains and maintenance vehicles
- Automatic train operation (GoA2) for passenger trains and maintenance vehicles.
- Updating of existing cab simulator to CBTC functionality
- Traffic Management simulator

The Scope of Work includes all deliveries and services required to replace the existing signalling and train control system with a new CBTC signalling system. The delivery includes design, integration, installation, testing, commissioning, documentation, training and putting into service a complete and fully operational CBTC signalling system in Oslo Metro in accordance with agreed time schedule, including maintenance and support services of the CBTC System for 25 years after Final Acceptance.

Contracting Authority will provide resources for first and second line of maintenance under the supervision and responsibility of Contractor.

II.2.11. Information about options

Options: yes

Description of options:

Options related to CBTC functionality and supporting systems

1. Crew Management system - Additional functions related to Crew Management
2. Train and Fleet Management system - Additional functionality related to Train and Fleet Management
3. GoA4 functionality - Upgrade to enable driverless operation

4. Unattended turnback for passenger trains - Upgrade to enable unattended turnback at termini
 5. Onboard juridical recorder - Delivery of juridical recorders for onboard installation
 6. Central juridical recorder -Delivery of juridical recorder for the central system
- Options for new infrastructure projects
- 11A. CBTC on new station at Majorstuen, included in System Delivery - CBTC implementation on the new station early in the project
 - 11B. CBTC on new station at Majorstuen, not included in System Delivery - CBTC implementation on the new station in the maintenance phase.
 12. CBTC on Diakonhjemmet station - CBTC implementation on a new station
 13. CBTC on new line segment, Volvatsvingen - CBTC implementation for a new section of line
 14. CBTC on new line segment, Ensjøsvingen - CBTC implementation for a new section of line
 15. CBTC on new line segment, Sentrumstunnelen - CBTC implementation on new section of line
- Options for equipping and integrating additional rolling stock in CBTC System
21. New passenger trains in CBTC System - CBTC implementation in passenger trains
 22. Additional GPMV2020's in CBTC System - CBTC implementation in further GPMV2020 maintenance vehicles
 23. New maintenance vehicles in CBTC System - CBTC implementation in new types of maintenance vehicles
- Options for new, changed or additional infrastructure
- 32.1 Level crossing protection system (LCPS) - Supply, installation and integration of a new LCPS
 - 32.2 Additional point machine(s) for existing point - Supply, installation and integration of new additional point machines on an already existing point
 - 32.3 New point machine(s) for new point - Supply, installation and integration of point machines to new points that will be installed in the network
 - 32.4 New crossover with two point machines - Supply, installation and integration new point machines and all necessary changes to the CBTC system to realise a new crossover
 - 32.5 Stopping points - Changes to stopping points pattern in the CBTC system
- Options for modifications to rolling stock
- 33.1 Update of safety-related parts of the CBTC System due to rolling stock modifications - Update of CBTC system due to rolling stock modifications that changes the Guaranteed Emergency Brake Rate (GEBR)
 - 33.2 Update of non-safety related part of the CBTC System due to rolling stock modifications - Updated of CBTC system to enable new signal to be forwarded from CBTC onboard to traffic management system or modification to the CBTC DMI layout

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

Section IV: Procedure

IV.1. Description

IV.1.1. Type of procedure

Negotiated procedure with prior call for competition

IV.1.3. Information about a framework agreement or a dynamic purchasing system

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 in the OJ S: [2020/S 069-165661](#)

IV.2.8. Information about termination of dynamic purchasing system

IV.2.9. Information about termination of call for competition in the form of a periodic indicative notice

Section V: Award of contract

Contract No: 1

Title:

New Signalling System CBTC

A contract/lot is awarded: yes

V.2. Award of contract

V.2.1. Date of conclusion of the contract

08/12/2021

V.2.2. Information about tenders

Number of tenders received: 4

The contract has been awarded to a group of economic operators: yes

V.2.3. Name and address of the contractor

Official name: Siemens Mobility AS

Postal address: Østre Aker vei 88

Town: Oslo

NUTS code: NO Norge

Country: Norway

The contractor is an SME: no

V.2.3. Name and address of the contractor

Official name: Siemens Mobility GmbH

Town: München

NUTS code: DE2 Bayern

Country: Germany

The contractor is an SME: no

V.2.4. Information on value of the contract/lot

V.2.5. Information about subcontracting

V.2.6. Price paid for bargain purchases

Section VI: Complementary information

VI.3. Additional information

VI.4. Procedures for review

VI.4.1. Review body

Official name: Oslo byfogdembete
Postal address: Postboks 2099 Vika
Town: Oslo
Postal code: 0125
Country: Norway
E-mail: oslo.byfogdembete@domstol.no
Telephone: +47 22999200

VI.4.2. Body responsible for mediation procedures

Official name: Klagenemnda for offentlige anskaffelser
Postal address: Postboks 511 Sentrum
Town: Bergen
Postal code: 5805
Country: Norway
E-mail: post@knse.no
Telephone: +47 55193000

VI.4.3. Review procedure

Precise information on deadline(s) for review procedures:
Any request for a preliminary injunction against Contracting Authority's decision to reject a request shall be submitted to the court within 15 days after such a notice is sent, ref. Public Procurement Regulation for the utilities sectors, FOR-2016-08-12-975 § 16-5.

VI.5. Date of dispatch of this notice

07/01/2022