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Contract

Jubilee Vehicle Underframe Modifications Project (JVUM)

Transport for London

F03: Contract award notice

Notice identifier: 2024/S 000-019890

Procurement identifier (OCID): ocds-h6vhtk-038922

Published 1 July 2024, 9:11am

Section I: Contracting authority

I.1) Name and addresses

Transport for London

5 ENDEAVOUR SQUARE

LONDON

E201JN

Contact

Jodie Laver

Email

JodieLaver@tfl.gov.uk

Country

United Kingdom

Region code

UKI41 - Hackney and Newham

Justification for not providing organisation identifier

Not on any register

Internet address(es)

Main address

<https://tfl.gov.uk>

I.4) Type of the contracting authority

Body governed by public law

I.5) Main activity

Other activity

Urban railway, tramway, trolleybus or bus services

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Jubilee Vehicle Underframe Modifications Project (JVUM)

Reference number

SAP ARIBA reference - WS1227259766

II.1.2) Main CPV code

- 50221000 - Repair and maintenance services of locomotives

II.1.3) Type of contract

Services

II.1.4) Short description

The purpose of this procurement was the underframe modification of 96 Tube Stock, (96TS)/Jubilee Line rail vehicles.

This requirement was subdivided into the following 2 lots.

Lot 1) The design, manufacture and supply of underframe modification services.

Lot 2) The design, manufacture and modification to the coupler drawgear release mechanism. (Please note that this Lot was not awarded and there will be a new sourcing strategy for this lot)

In 2019 fractures were found on the longitudinal beams of a 96TS Jubilee Line train's underframe. It was identified through further inspection, that the fractures were not limited to this one train.

Those trains that were identified as fit for service (with regards to safety of passengers and LU train operators/ maintainers/ station staff) were returned to service however a large number of trains remained withdrawn until a repair (temporary) was undertaken.

The purpose of this procurement is to provide a long-term solution to the fatigue cracking in the vehicle underframe before the short-term repairs are life expired and to resolve associated safety issues with the drawgear load release mechanism.

II.1.6) Information about lots

This contract is divided into lots: Yes

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

Value excluding VAT: £8,963,000

II.2) Description

II.2.1) Title

The design, manufacture and supply of underframe modification services

Lot No

1

II.2.2) Additional CPV code(s)

- 34600000 - Railway and tramway locomotives and rolling stock and associated parts
- 50222000 - Repair and maintenance services of rolling stock
- 50223000 - Reconditioning services of locomotives
- 50224000 - Reconditioning services of rolling stock

II.2.3) Place of performance

NUTS codes

- UKI - London

Main site or place of performance

TfL depot in London

II.2.4) Description of the procurement

Lot 1 - The design, manufacture and supply of underframe modification services.

The 1996 tube stock fleet comprises sixty-three (63) 7-car trains, delivered over two production runs. The initial run L14 includes the build of fifty-nine (59) off 6-car trains, manufactured between 1997 and 1998. Subsequently, in 2006 the L17 project delivered

additional Special Trailer cars to convert the 6-car to 7-car train plus an additional four (4)

off 7-car trains. In October 2019 fatigue cracks were found in the Jubilee line fleet's inner longitudines causing 40% of the fleet to be withdrawn from service for further investigation.

London Underground commissioned an internal Formal Investigation Review to identify the root cause of the fatigue cracks and make recommendations to safeguard the future

operation of the Jubilee line service. The Formal Investigation Review included an engineering investigation which resulted in the following key recommendations.

a) There should be a redesign and fleet replacement of the cross beam support brackets to significantly improve the transfer of coupler loads into the car body structure.

b) The design of the inner longitude should be reviewed in conjunction with the cross beam support bracket and rectified to remove the risk of continued fleet wide crack propagation

and to ensure the proof load requirements are met.

c) The 1996 Tube Stock coupler release system should be replaced to ensure it will always correctly function in a collision scenario and eliminate the current costly maintenance.

This Lot is designed to address those recommendations.

II.2.5) Award criteria

Price

II.2.11) Information about options

Options: No

II.2) Description

II.2.1) Title

The design, manufacture and modification to the coupler drawgear release mechanism
(Not Awarded)

Lot No

2

II.2.2) Additional CPV code(s)

- 34600000 - Railway and tramway locomotives and rolling stock and associated parts
- 50222000 - Repair and maintenance services of rolling stock
- 50223000 - Reconditioning services of locomotives
- 50224000 - Reconditioning services of rolling stock

II.2.3) Place of performance

NUTS codes

- UKI - London

Main site or place of performance

Please note that this Lot was not awarded and there will be a new sourcing strategy for this lot)

II.2.4) Description of the procurement

Please note that this Lot was not awarded and there will be a new sourcing strategy for this lot)

II.2.5) Award criteria

Price

II.2.11) Information about options

Options: No

II.2.14) Additional information

Please note that this Lot was not awarded and there will be a new sourcing strategy for this lot)

Section IV. Procedure

IV.1) Description

IV.1.1) Type of procedure

Competitive procedure with negotiation

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: [2022/S 000-033784](#)

Section V. Award of contract

Contract No

1

Lot No

1

Title

The design, manufacture and supply of underframe modification services

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

6 February 2024

V.2.2) Information about tenders

Number of tenders received: 2

Number of tenders received from SMEs: 0

Number of tenders received by electronic means: 2

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

V.2.3) Name and address of the contractor

Engineering Support Group Ltd

Carolina Way Lakeside Business Park, Doncaster

Doncaster

DN4 5PN

Country

United Kingdom

NUTS code

- UKE3 - South Yorkshire

Companies House

3034821

The contractor is an SME

No

V.2.4) Information on value of contract/lot (excluding VAT)

Total value of the contract/lot: £8,963,000

Section VI. Complementary information

VI.4) Procedures for review

VI.4.1) Review body

HM Courts and Tribunals Service

Royal Courts of Justice, The Strand

London

WC2A 2LL

Country

United Kingdom