Belgium-Brussels: Independent Study on Use of Hydrogen and Fuel Cells for Aircraft Propulsion
2019/S 245-601785

Contract award notice

Results of the procurement procedure

Services

Legal Basis:
Directive 2014/24/EU

Section I: Contracting authority

I.1) Name and addresses
Official name: Clean Sky 2 Joint Undertaking
Postal address: Av. de la Toison d’Or 56
Town: Brussels
NUTS code: BE100 Arr. de Bruxelles-Capitale / Arr. van Brussel-Hoofdstad
Postal code: 1060
Country: Belgium
Contact person: Legal Team
E-mail: procurement@cleansky.eu
Internet address(es):
Main address: https://etendering.ted.europa.eu/cft/cft-display.html?cftId=5371
Address of the buyer profile: https://www.cleansky.eu/

I.1) Name and addresses
Official name: Fuel Cells and Hydrogen 2 Joint Undertaking
Postal address: Av. de la Toison d’Or 56
Town: Brussels
NUTS code: BE100 Arr. de Bruxelles-Capitale / Arr. van Brussel-Hoofdstad
Postal code: 1060
Country: Belgium
E-mail: fch-ju@fch.europa.eu
Internet address(es):
Main address: https://etendering.ted.europa.eu/cft/cft-display.html?cftId=5371
Address of the buyer profile: https://www.fch.europa.eu/

I.2) Information about joint procurement
The contract involves joint procurement

I.4) Type of the contracting authority
European institution/agency or international organisation

I.5) Main activity
Other activity: Research and Innovation in Aviation sector

Section II: Object

II.1) Scope of the procurement
II.1.1) **Title:**
Independent Study on Use of Hydrogen and Fuel Cells for Aircraft Propulsion
Reference number: CSJU.2019.OP.01

II.1.2) **Main CPV code**
73210000 Research consultancy services

II.1.3) **Type of contract**
Services

II.1.4) **Short description:**
Independent study on use of hydrogen and fuel cells for aircraft propulsion.

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: 600 000.00 EUR

II.2) **Description**

II.2.2) **Additional CPV code(s)**
79310000 Market research services
31122100 Fuel cells
34700000 Aircraft and spacecraft

II.2.3) **Place of performance**
NUTS code: BE10 Région de Bruxelles-Capitale / Brussels Hoofdstedelijk Gewest

II.2.4) **Description of the procurement:**
The aim of the independent study is to investigate the potential of fuel cell and hydrogen technologies in the field of aircraft propulsion. Besides tackling the technical challenges an initial study is needed to:
— understand if and how fuel cell and/or hydrogen based propulsion architectures are suitable for aircraft propulsion and in which aircraft category (payload/range/mission) and with which potential benefits in terms of aircraft performance and emissions,
— identify technical and non-technical barriers for the implementation of fuel cell and hydrogen technologies in the aviation sector and highlight needs in terms of research and innovation (R&I), regulation and standards, as well as (market and economic) conditions,
— identify and understand the deployment challenges related to production, logistics and infrastructure that are compatible with airport operations and air transport networks.
The study under this procurement should identify the potential for fuel cell and/or hydrogen based aircraft propulsion and produce recommendations on future activities with particular focus on R&I efforts in this field in the next decade and policy to support the potential market adoption thereafter.

II.2.5) **Award criteria**
Quality criterion - Name: Quality of services / Weighting: 60 %
Price - Weighting: 40 %

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: yes
Identification of the project: Horizon 2020

II.2.14) **Additional information**
See internet address provided in Section I.3).

**Section IV: Procedure**

IV.1) Description

IV.1.1) **Type of procedure**

Open procedure

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: no

IV.2) Administrative information

IV.2.1) **Previous publication concerning this procedure**

Notice number in the OJ S: 2019/S 170-414488

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 prior information notice**

**Section V: Award of contract**

Contract No: DC/CSJU.2019.OP.01

Title:
Independent Study on Use of Hydrogen and Fuel Cells for Aircraft Propulsion

A contract/lot is awarded: yes

V.2) Award of contract

V.2.1) **Date of conclusion of the contract:**

02/12/2019

V.2.2) **Information about tenders**

Number of tenders received: 3

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

V.2.3) **Name and address of the contractor**

Official name: McKinsey Solutions SPRL

National registration number: BE0834.110.720

Town: Louvain-la-Neuve

NUTS code: BE31 Prov. Brabant Wallon

Country: Belgium

The contractor is an SME: no

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

Initial estimated total value of the contract/lot: 600 000.00 EUR

Total value of the contract/lot: 579 600.00 EUR

V.2.5) **Information about subcontracting**

**Section VI: Complementary information**

VI.3) **Additional information:**

See internet address provided in Section I.3).

VI.4) **Procedures for review**

VI.4.1) **Review body**
Official name: General Court
Postal address: rue du Fort Niedergrünewald
Town: Luxembourg
Postal code: 2925
Country: Luxembourg
E-mail: GeneralCourt.Registry@curia.europa.eu
Telephone: +352 43031
Fax: +352 43032100
Internet address: http://curia.europa.eu

VI.4.3) **Review procedure**
Precise information on deadline(s) for review procedures:
See internet address provided in Section I.3).

VI.4.4) **Service from which information about the review procedure may be obtained**
Official name: General Court
Postal address: rue du Fort Niedergrünewald
Town: Luxembourg
Postal code: 2925
Country: Luxembourg
E-mail: GeneralCourt.Registry@curia.europa.eu
Telephone: +352 43031
Fax: +352 43032100
Internet address: http://curia.europa.eu/jcms/jcms/Jo2_7039/en/#electronique

VI.5) **Date of dispatch of this notice:**
12/12/2019