This notice in TED website: https://ted.europa.eu/udl?uri=TED:NOTICE:113791-2019:TEXT:EN:HTML

# Germany-Frankfurt am Main: ECB - Provision of the Statistical production and compilation environment (SPACE) - PRO-004816 2019/S 050-113791

#### **Contract notice**

#### **Services**

#### **Legal Basis:**

Directive 2014/24/EU

# **Section I: Contracting authority**

#### 1.1) Name and addresses

European Central Bank Sonnemannstrasse 22 Frankfurt am Main

60314 Germany

Contact person: Central Procurement Division (CPO)

Telephone: +49 69/13440

E-mail: procurement@ecb.europa.eu

Fax: +49 69/13447110 NUTS code: DE712 Internet address(es):

Main address: http://www.ecb.europa.eu

# 1.2) Information about joint procurement

# 1.3) Communication

The procurement documents are available for unrestricted and full direct access, free of charge, at: http://www.ecb.europa.eu/ecb/jobsproc/sourcing/html/index.en.html

Additional information can be obtained from the abovementioned address

Tenders or requests to participate must be submitted electronically via: http://www.ecb.europa.eu/ecb/jobsproc/sourcing/html/index.en.html

Tenders or requests to participate must be submitted to the abovementioned address

#### 1.4) Type of the contracting authority

European institution/agency or international organisation

#### 1.5) Main activity

Economic and financial affairs

#### Section II: Object

# II.1) Scope of the procurement

# II.1.1) Title:

Provision of the Statistical production and compilation environment (SPACE) - PRO-004816

Reference number: PRO-004816

#### II.1.2) Main CPV code

72300000

#### II.1.3) Type of contract

Services

#### II.1.4) Short description:

The European Central Bank (ECB) is seeking suitable candidates that will be invited to participate in the negotiated procedure for the provision of the Statistical Production and Compilation environment (SPACE). The ECB collects and manages large amounts of heterogeneous data and statistics to support its institutional functions and tasks (monetary policy, supervisory functions, tasks of the Eurosystem, ...). The current Statistical Data Production Environment (SDPE) will be decommissioned due to the end of life reached by some of its components and will be replaced by a new environment that will allow the ECB to fully implement its Business Strategy with regards to data and data centricity. The SPACE project will introduce this new system in three main packages:

- 1) System Build;
- 2) Migration;
- 3) Maintenance and Support.

#### II.1.5) Estimated total value

#### II.1.6) Information about lots

This contract is divided into lots: no

#### II.2) Description

# II.2.1) **Title:**

#### II.2.2) Additional CPV code(s)

72000000

72200000

72210000

72211000

72212000

72212211

72212441

72212460

72212462

72212463

72212600

72212610

72220000

72230000

72240000

72250000

72253200

72254100

72260000

72300000

72310000

72320000

72315100

72322000

48600000

48610000

48612000

48611000

# II.2.3) Place of performance

NUTS code: DE712

Main site or place of performance:

Services for System build and Maintenance and Support shall preferably be provided remotely (minimum presence at the ECB premises). The Service for Migration requires a higher on-site presence.

#### II.2.4) Description of the procurement:

The European Central Bank (ECB) is seeking suitable candidates through this Call for applications that will be invited to participate in the negotiated procedure and to submit a tender for the Contract on the provision of the Statistical Production and Compilation environment (SPACE) (the 'Contract').

Data is a strategic and common asset of the European Central Bank (ECB). The ECB collects and manages large amounts of heterogeneous data and statistics to support the institution's monetary policy and supervisory functions, as well as other tasks of the Eurosystem and the European System of Central Banks (ESCB). The current ECB Statistical Data Production Environment (SDPE) receives on a regular basis (e.g. daily, monthly, quarterly or yearly frequency) time series observations about around 400 economic indicators. Today more than 20 million time series are processed through a system based on a proprietary commercial time series-based product, comprising data storage, analytics and reporting components. With this software, the ECB statisticians and data scientists implemented the business logic for more than 120 business processes using the available scripting language (e.g. aggregations, frequency conversions, data validation and quality checks) over the last 25 years. In total, we identified more than 3 million lines of this custom code, and thousands of reports in different formats such as PDF, HTML or Office Open XML.

The SDPE environment will be decommissioned due to the end of life reached by some of its components and the Statistical Production and Compilation Environment (SPACE) project will deliver a new environment that will enable the ECB to implement its Business Strategy with regards to data and data centricity. Integration with technologies like Cloudera Hadoop and Oracle Exadata, which are already in place, is to be expected. The SPACE project will introduce this new system in three main packages:

- 1) System Build (Dec 2019 Aug 2020): This new system is intended to support the ECB production of statistical data, initially focusing on, but not limited to, time series. Eventually, the new system is expected to be able to handle multiple ECB data types. Statistical Production in the ECB follows the Generic Statistical Business Process Model (GSBPM) and SPACE will directly support the following phases: Build, Collect (SDMX, CSV or Office Open XML formats), Process (data validation, cleansing, aggregation, modelling, ...), Analyse (data analysis and graphical visualisation), Disseminate Data and metadata management, governance tools and automation through workflow management will be made available. Development of a User Interface (UI) to manage and monitor data processing on the platform. Enhancement of existing Python/R libraries for time-series.
- 2) Migration (Jun 2020 May 2022): Port over 120 existing processes supported by custom code (approximately 3 to 5 million lines of code) to the new platform. SPACE intends to support: time-series programming languages, Python, R, Spark/Scala, Spark/Python or Spark/R. The migration to the new platform will be performed over a two years' timeframe. The migration of the business logic and reports will need to be done in close collaboration with the business area data scientists owning the code, and the new implementation will be owned by the business.

3) Maintenance and Support (Jun 2022 – Dec 2025): Provide 3rd level support services for the system (excluding support for the underlying Cloudera distribution and components).

The Services shall be provided in English.

# 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

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

Duration in months: 60

This contract is subject to renewal: yes

Description of renewals:

The Contract shall have an initial duration of 60 months with a possibility for a 12-month extension at the ECB's discretion.

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

Envisaged number of candidates: 5

Objective criteria for choosing the limited number of candidates:

The ECB intends to invite five (5) Candidates to submit a tender provided that a sufficient number of Candidates meeting the selection criteria is available. The ECB shall invite the Candidates (i) whose applications comply with the formal requirements laid down in the Call for applications; (ii) who meet the eligibility criteria set out in Section III.3 of the CfA; and (iii) who meet the selection criteria set out in Section III.4 of the CfA.

Objective criteria for choosing the limited number of candidates:

Among the Candidates meeting the minimum requirements set out in Section III.4.2 of the CfA, the ECB shall select those which best meet the following selection criteria:

- (a) The Candidate's general capacity and ability to provide the requested supplies and services in terms of technical and skilled human resources, i.e. composition, relevant competence and experience of staff members (weighting of this criterion: 30 %);
- (b) The Candidate's general experience and expertise, assessed on the basis of the Candidate's past experience and the comparability of its reference assignments with the Contract tendered by the ECB (weighting of this criterion: 70 %).

If the Candidate is a temporary grouping, it may add the respective capacity/experience/expertise of its members.

For further information on the selection and short-listing of the candidates, please refer to section III.4.3 of the CfA.

## II.2.10) Information about variants

Variants will be accepted: no

#### II.2.11) Information about options

Options: yes

Description of options:

Ancillary deliverables (e. g. provision of training services, ...) shall constitute contractual options in favor of the ECB. Further details are provided in the procurement documents.

#### II.2.12) Information about electronic catalogues

#### 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 III: Legal, economic, financial and technical information

#### III.1) Conditions for participation

# III.1.1) Suitability to pursue the professional activity, including requirements relating to enrolment on professional or trade registers

List and brief description of conditions:

As stated in the procurement documents

#### III.1.2) Economic and financial standing

List and brief description of selection criteria:

(a) The Candidate's economic and financial capacity will be assessed on the basis of its turnover during the last 3 financial years. As a minimum, the Candidate shall have an accumulated total net turnover of at least 3 Million EUR per annum in the last 3 financial years.

If the Candidate is a temporary grouping, it may add the respective turnover of its members.

For further information on the minimum requirements, please refer to section III.4.2 of the CfA.

#### III.1.3) Technical and professional ability

List and brief description of selection criteria:

In relation to the minimum technical and professional capacity, the Candidate shall meet the following minimum requirements:

- (b) The Candidate employed in the last year (2018) at least an average of 160 staff members who are able to provide the services in the scope of the contract tendered by ECB;
- (c) The Candidate has the capacity to provide services and works in English (written and spoken);
- (d) The Candidate has performed and completely delivered a minimum of one reference assignment in the last three years which is comparable in terms of scope, size and complexity with the contract tendered by ECB. In order to be considered comparable the reference assignment shall cover all the three main packages of the SPACE project (i.e. System Build, Migration and Maintenance and Support). The Candidate may fulfil the present minimum requirement also by covering all the three main packages of the SPACE project by means of more than one reference assignment.

If the Candidate is a temporary grouping, it may add the respective staff members/capacity/reference assignments of its members.

For further information on the minimum requirements, please refer to section III.4.2 of the CfA.

#### III.1.5) Information about reserved contracts

- III.2) Conditions related to the contract
- III.2.1) Information about a particular profession
- III.2.2) Contract performance conditions:

In line with the terms and conditions of the draft contract. See details in the procurement documents.

#### III.2.3) Information about staff responsible for the performance of the contract

Obligation to indicate the names and professional qualifications of the staff assigned to performing the contract

#### Section IV: Procedure

- IV.1) Description
- IV.1.1) Type of procedure

Competitive procedure with negotiation

- IV.1.3) Information about a framework agreement or a dynamic purchasing system
- IV.1.4) Information about reduction of the number of solutions or tenders during negotiation or dialogue
- IV.1.5) Information about negotiation

The contracting authority reserves the right to award the contract on the basis of the initial tenders without conducting negotiations

- IV.1.6) Information about electronic auction
- 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
- IV.2.2) Time limit for receipt of tenders or requests to participate

Date: 03/04/2019 Local time: 11:30

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

Date: 31/05/2019

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)

IV.2.7) Conditions for opening of tenders

## Section VI: Complementary information

VI.1) Information about recurrence

This is a recurrent procurement: no

VI.2) Information about electronic workflows

Electronic invoicing will be accepted

VI.3) Additional information:

This tender procedure is conducted via the ECB's electronic tendering system (e-tendering) which can be accessed via the following internet address:

http://www.ecb.europa.eu/ecb/jobsproc/sourcing/html/index.en.html

If you have not used the ECB's electronic tendering system before, you need to register via the above link (click on "Register"). Subsequently to the registration, you will receive an automated notification with your user credentials to log in (click on "Login") and to access the tender documentation. Please note that:

- A registration to the above system is only required once and you can reuse your user credentials in all future procedures of the ECB which are conducted via the above system. Therefore, please keep your user credentials for the future,
- In case you should have participated in previous ECB tender procedure(s) in the past which were conducted via the ECB's prior online system, you nevertheless need to register once to the ECB's electronic tendering system under the above address,
- Your mere registration does not constitute an application/tender. You must submit your application/tender via the ECB's electronic tendering system as further instructed in the application/tender documentation.

The system reference number for the above procurement is: RFX-PT-2019-000003 PRO-004816-R1-SPACE Service.

To download the tender documents, log on to the ECB's electronic tendering system with your login and password. Expand the field "Public Tenders – Upcoming Events". Click on "Click to request an invitation to this event" for the above procedure and close the new window which opens. Once the request is completed

(this can take a few minutes), the status of the participation request will change to "Invited" and the RFx documentation will be accessible via the RFx tab.

Under the above link you also find user guides for detailed information on how to use the system and contact details for technical support.

Should you require technical help when using the system, please contact the ECB's technical support team at sourcing.support@ecb.europa.eu by quoting the reference number and the problem experienced.

Any other queries relating to this procurement procedure and the content of the procurement documentation shall be submitted as message via the ECB's e-tendering system (under the tab "Discussion").

The ECB endeavours to answer all queries as quickly as possible but cannot guarantee a minimum time response. The ECB shall not be bound to reply to queries received less than seven calendar days before the time-limit for the submission of tenders.

The tender procedure shall be open on equal terms to all natural or legal persons resident or located in the European Union and to all natural and legal persons resident or located in a country which has ratified the World Trade Organisation Agreement on Government Procurement or has concluded with the European Union a bilateral agreement on procurement under the conditions laid down in the said agreements.

The tender procedure is conducted in accordance with ECB Decision 2016/2 laying down the Rules on Procurement (as amended), available on the ECB website at http://www.ecb.europa.eu/ecb/jobsproc/tenders/html/index.en.html.

#### VI.4) Procedures for review

#### VI.4.1) Review body

Procurement Review Body of the European Central Bank, c/o Legal Advice Team

Sonnemannstrasse 20

Frankfurt am Main

60314 Germany

Telephone: +49 6913440 Fax: +49 6913446886

Internet address: http://www.ecb.europa.eu

#### VI.4.2) Body responsible for mediation procedures

European Ombudsman

1 avenue du Président Robert Schuman

Strasbourg 67001

France

#### VI.4.3) Review procedure

Precise information on deadline(s) for review procedures:

15 days from the receipt of the information specified in Article 34(3) of ECB Decision 2016/2 laying down the Rules on Procurement or, if no information is requested, 15 days from the receipt of the notification to unsuccessful tenderers. Further requirements are outlined in Article 39 of this Decision. A complaint to the European Ombudsman does not affect the deadline for lodging appeals.

# VI.4.4) Service from which information about the review procedure may be obtained

Central Procurement Office

Sonnemannstrasse 20

Frankfurt am Main

60314 Germany

Telephone: +49 6913440

Internet address: http://www.ecb.europa.eu

VI.5) Date of dispatch of this notice:

28/02/2019