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The Helix Nebula Science Cloud (HNSciCloud — Pre-commercial Procurement)

Geneva Switzerland — European Organization for Nuclear Research (CERN)

Published July 19, 2016 — **Deadline September 19, 2016 (7 months ago)**

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Analysis and Trends about this

NOTICE TYPE

Contract notice

VALUE

€5.30M

Under this PCP, R&D services will be procured from companies to develop solutions for the set-up of the HNSciCloud Hybrid Cloud Platform, taking into account the performance, security and management aspects of a hybrid cloud infrastructure, including technical standards, interoperability, portability, as well as building trust and confidence in cloud computing services. The innovative IaaS-level services will need to be integrated with a range of resources operated by public organisations and publicly funded e-infrastructures to form a hybrid cloud solution. The overall challenge of building the Hybrid Cloud Platform is based on 3 sub-challenges, taking into account all use cases (see Tender Document 2: Functional Specification).

Full tender details available only for Oppex users. Sign in

FACT SHEET

Directive 2004/18/EC

SECTION I CONTRACTING AUTHORITY

name, addresses and contact points(s)

European Organization for Nuclear Research (CERN)

Geneva 23

Contact point(s): CERN

For the attention of: Christophe Veyss

1211 Geneva

Switzerland

E-mail: HNSciCloud-Tender@cern.ch (mailto:HNSciCloud-Tender@cern.ch)
subject:TED)

Internet address(es)

General address of the contracting authority: <http://www.cern.ch>

(<http://www.cern.ch>)

Electronic access to information: <http://www.hnscicloud.eu/>

(<http://www.hnscicloud.eu/>)

Further information can be obtained from: The above mentioned contact point(s)

Specifications and additional documents (including documents for competitive

dialogue and a dynamic purchasing system) can be obtained from: The above

mentioned contact point(s)

Tenders or requests to participate must be sent to: The above mentioned contact

point(s)

type of the contracting authority

Body governed by public law

other names

Other: European Organization for Nuclear Research (CERN)

contract award on behalf of other contracting authorities

The contracting authority is purchasing on behalf of other contracting authorities: yes

Surfware

PO Box 9403

1090 GP Amsterdam

Netherlands

Institut de Física d'Altes Energies

Campus UAB, Edifici Cn, Bellaterra, Cardenerola Del Valles

08193 Barcelona

Spain

Science and Technology Facilities Council (STFC)

Polaris House, North Star Avenue

SN2 1SZ Swindon

United Kingdom

Deutsches Elektronen-Synchrotron (DESY)

Holtstraße 85

22607 Hamburg

Germany

Centre national de la recherche scientifique (CNRS)

3 rue Michel-Ange

75794 Paris Cedex 16

France

European Molecular Biology Laboratory (EMBL)

Meyerhofstraße 1

69117 Heidelberg

Germany

Istituto Nazionale di Fisica Nucleare (INFN)

via Enrico Fermi 40, Frascati

00044 Rome

Italy

The European Synchrotron (ESRF)

71 avenue des Martyrs

38000 Grenoble

France

Karlsruher Institut für Technologie (KIT)

PO Box 3440

76121 Karlsruhe

Germany

SECTION II: OBJECT OF THE CONTRACT

introduction

this annexes to the contract or the connected agreement

The Helix Nebula Science Cloud (HNSciCloud — Pre-commercial Procurement)

TYPE OF CONTRACT AND LOCATION OF WORKS, PLACE OF DELIVERY OR OF PERFORMANCE

Services

Service category No 8: Research and development services

NC/T3 code

REFERENCE ABOUT A PUBLIC CONTRACT, A REFERENCED CONTRACT OR A PREVIOUS PURCHASING INSTRUMENT (sml)

The notice involves the establishment of a framework agreement

REFERENCE OR REFERENCE CONTRACT

Framework agreement with several operators

Number of participants to the framework agreement envisaged: 4

Duration of the framework agreement

Duration in months: 25

Estimated total value of purchases for the entire duration of the framework agreement

Estimated value excluding VAT: 5 300 000 EUR

OVER DESCRIPTION OF THE CONTRACT OR SERVICES(s)

Under this PCF, R&D services will be procured from companies to develop solutions for the set-up of the HNSciCloud Hybrid Cloud Platform, taking into account the performance, security and management aspects of a hybrid cloud infrastructure, including technical standards, interoperability, portability, as well as building trust and confidence in cloud computing services. The innovative tool-level services will need to be integrated with a range of resources operated by public organisations and publicly funded e-infrastructures to form a hybrid cloud solution. The overall challenge of building the Hybrid Cloud Platform is based on 3 sub-challenges, taking into account all use cases (see Tender Document 2: Functional Specifications).

COMMON PROCUREMENT VOCABULARY (sml)

T2000000, T2300000, T2000000, T2212211, T2310000, T2322000

REFERENCE ABOUT CONTRACTS REFERENCED CONTRACT (sml)

The contract is covered by the Government Procurement Agreement (GPA): no

lots

This contract is divided into lots: no

REFERENCE ABOUT VARIANTS

variants will be accepted: no

QUANTITY OR SCOPE OF THE CONTRACT

total quantity or scope

This Pre-commercial procurement for the development of a hybrid cloud platform will be deployed in 3 phases

- Phase 1: Solution design of the Hybrid Cloud Platform with a budget of 520 000.
 - Phase 2: Prototype implementation of the Hybrid Cloud Platform with a budget of 1 325 000.
 - Phase 3: Pilot deployment of the Hybrid Cloud Platform with a budget of 3 455 000.
- Estimated value excluding VAT: 5 300 000 EUR

contractual award options

Options: no

contractual award extension

This contract is subject to renewal: no

duration of the contract or time limit for completion

Starting: 7/10/2016. Completion: 28/10/2016

SECTION III: LEGAL, ECONOMIC, FINANCIAL AND TECHNICAL INFORMATION**conditions related to the contract****reports and submissions required****other technical conditions and relevant administrative and/or technical information to the bidder****relevant documents: name**

See Request for Tenders Section 1.5, table 4.

See Framework Agreement section 10.

what rules will be used in the event of economic sanctions to which the contract is to be awarded

No particular legal form required.

other technical conditions

The performance of the contract is subject to particular conditions: yes

Description of particular conditions: The PCP is carried out under the explicit exemption for R&D services set out in art 16(7) of Directive 2004/18/EC of the European Parliament and of the Council and art 14 of Directive 2014/24/EU of the

European Parliament and of the Council. Tenderers are asked to observe that the main object of the tender has to cover R&D services and not products or supplies, or commercial development activities.

CONDITIONS FOR PARTICIPATION

TECHNICAL SPECIFICATIONS OR ECONOMIC CONDITIONS, INCLUDING REQUIREMENTS RELATING TO PERSONNEL OR THEIR QUALIFICATIONS

Information and formalities necessary for evaluating if the requirements are met: See Request for Tenders section 3.3 selection criteria

ECONOMIC AND FINANCIAL ASPECTS

Information and formalities necessary for evaluating if the requirements are met: See Request for Tenders section 3.3 selection criteria

Minimum level(s) of standards possibly required: See Request for Tenders section 3.3 selection criteria

TECHNICAL CAPACITY

Information and formalities necessary for evaluating if the requirements are met: See Request for Tenders section 3.3 selection criteria

Minimum level(s) of standards possibly required:

See Request for Tenders section 3.3 selection criteria

REGISTRATION ABOUT AWARDED CONTRACTS

CONDITIONS APPLICABLE TO AWARDED CONTRACTS

REGISTRATION ABOUT A PARTICULAR PROFESSION

Execution of the service is reserved to a particular profession: no

OVER RESPONSIBILITY FOR THE EXECUTION OF THE SERVICE

Legal persons should indicate the names and professional qualifications of the staff responsible for the execution of the service: yes

SECTION IV: PROCEDURE

TIME OF RECEIVAL

TIME OF RECEIVAL

Open

Limitation on the number of operators who will be invited to tender or to participate

Reduction of the number of operators during the negotiation or dialogue

Award criteria

Award criteria

The most economically advantageous tender in terms of the criteria stated in the specifications, in the invitation to tender or to negotiate or in the descriptive document

Information about electronic auction

An electronic auction will be used: no

Administrative information

The economic interest attributed by the contracting authority

0-400,00

Previous publications concerning the work contract

Prior information notice

Notice number in the OJEU: 2016/S 013-019573 (<http://ted.europa.eu/ted/notice/019573-2016-TEXT/EN/HTML>) of 20/1/2016

Conditions for accessing specifications and additional documents or descriptive document

Time limit for receipt of requests for documents or for accessing documents: 19/9/2016 - 12:00

Payable documents: no

Time limit for receipt of tenders or requests to participate

19/9/2016 - 12:00

Date of receipt of instructions to tender or to participate to selected candidates

Language(s) in which tenders or requests to participate may be drawn up
English

Deadline for receipt during which the tenders must identify the tender
in days: 180 (from the date stated for receipt of tender)

COMMENTS FOR OPENERS OF TENDERS

Date: 22.9.2016

Persons authorized to be present at the opening of tenders: no

SECTION VI: COMPLEMENTARY INFORMATION**RECURRENT ACQUISITION**

This is a recurrent procurement: no

RECURRENT ACQUISITION SUBSIDIZED UNDER FUNDS

The contract is related to a project and/or programme financed by European Union funds: yes

Reference to project(s) and/or programme(s): Funded by the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No 687614

ADDITIONAL INFORMATION

An information session will be organized at CERH on the 19.10.2016 (additional information on the website). Questions or requests for clarification concerning the Tender Documents must be asked in English before the 2.9.2016. All questions received will be dealt with and answered during the information session. After the information session, no additional questions will be answered for Phase 1.

RESOLUTION FOR APPEAL**BODY RESPONSIBLE FOR APPEAL RESOLUTION**

The Arbitration Tribunal of Geneva
Switzerland

ADDRESS OF APPELLANT**ADDRESS FROM WHICH INFORMATION ABOUT THE ADDRESS OF APPELLANT MAY BE OBTAINED****DATE OF ISSUANCE OF THIS NOTICE**

13.7.2016



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