

Switzerland-Geneva: Research and development services and related consultancy services
OJ S 213/2016 04/11/2016
Contract award notice
Services

Directive 2004/18/EC

Section I: Contracting authority

I.1. Name and addresses

Official name: European Organization for Nuclear Research (CERN)

Postal address: Genève 23

Town: Geneva

Postal code: 1211

Country: Switzerland

Contact person: CERN

For the attention of: Christophe Veys

E-mail: HL-Quaco-procurement@cern.ch

Internet address(es):

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

Electronic submission of tenders and requests to participate: <https://quaco.web.cern.ch/>

I.2. Type of the contracting authority

European institution/agency or international organisation

I.3. Main activity

Other: European Organization for Nuclear Research (CERN)

I.4. Contract award on behalf of other contracting authorities

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

Official name: Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas (CIEMAT)

Postal address: Avenida Complutense, 40

Town: Madrid

Postal code: 28040

Country: Spain

Official name: Narodowe Centrum Badań Jądrowych (NCBJ)

Postal address: ul. Andrzeja Sołtana 7

Town: Otwock, Świerk

Postal code: 05-400

Country: Poland

Official name: Le Commissariat à l'énergie atomique et aux énergies alternatives (CEA)

Postal address: Centre d'Etudes Nucléaire de Saclay

Town: Saclay

Postal code: 91400

Country: France

Section II: Object of the contract

II.1. Description

II.1.1. Title

Quadrupole Corrector First-of-a-kind for HL-LHC (QUACO Pre-commercial Procurement).

II.1.2. Type of contract and place of performance or delivery

Services

Service category No 8: Research and development services

Main site or place of performance: R&D-services will be executed at the Tenderers premises and delivered to the CERN site.

NUTS code

II.1.3. Information about a framework agreement or a dynamic purchasing system (DPS)

The procurement involves the establishment of a framework agreement

II.1.4. Short description of the contract or purchase(s)

To extend its discovery potential, the Large Hadron Collider (LHC) will need a major upgrade in the 2020s to increase its luminosity. The integrated luminosity goal is a ten-fold increase of the nominal design value. As a highly complex and optimized machine, such an upgrade must be carefully studied. The necessary developments will require many years of prototyping, testing and implementing.

The new configuration of the machine, HL LHC, among other things, will be based on a new generation of magnets in the two high-luminosity interaction regions, aiming to provide a stronger beam focusing. All of these magnets constitute a significant technical challenge at the edge and beyond the actual state-of-the-art technology. The technical challenges range from materials (i.e. NbTi and Nb₃Sn superconductor cables with unprecedented current carrying density), process (i.e. 3D printing to precision manufacture magnet subcomponents), design techniques (i.e. extensive use of prototype and testing to retro-fit the design production).

This Pre-Commercial procurement focuses on the realization of R&D services to develop MQYY superconducting quadrupole magnets that will be used in the Q4 Cryoassembly on the HL-LHC project. The MQYY will be part of the Insertion Region (IR) magnets delivering the beams to the CMS and ATLAS experiments.

II.1.5. CPV code(s)

73000000 Research and development services and related consultancy services, 73300000 Design and execution of research and development, 31630000 Magnets

II.1.6. Information about the Government Procurement Agreement (GPA)

The procurement is covered by the Government Procurement Agreement: no

II.2. Total value of the contract/lot

II.2.1. Total value of the contract/lot

Section IV: Procedure

IV.1. Type of procedure

IV.1.1. Type of procedure

Open

IV.2. Award criteria

IV.2.1. Award criteria

The most economically advantageous tender in terms of

1. Merit of the top level manufacturing plan. Weighting 100
2. Merit of the technical capacity of the team that will execute the contract. Weighting 50
3. Merit of the time shedule. Weighting 50
4. Commercialisation approach. Weighting 20
5. Price. Weighting 80

IV.2.2. Information about electronic auction

An electronic auction has been used: no

IV.3. Administrative information

IV.3.1. File reference number attributed by the contracting authority

IT-4191/TE/HL-LHC

IV.3.2. Previous publication concerning this procedure

Prior information notice

Notice number in the OJ S: [2016/S 012-017759](#) of 19.1.2016

Contract notice

Notice number in the OJ S: [2016/S 107-192143](#) of 4.6.2016

Section V: Award of contract

Contract No: F-698

V.1. Date of conclusion of the contract

14.10.2016

V.2. Information about tenders

V.3. Name and address of the contractor

Official name: ELYTT Energy

Town: Madrid

Postal code: 2820

Country: Spain

V.4. Information on value of the contract/lot

V.5. Information about subcontracting

The contract is likely to be subcontracted: yes

Value or proportion likely to be subcontracted to third parties:

Not known

Contract No: F-699

V.1. Date of conclusion of the contract

14.10.2016

V.2. Information about tenders

V.3. Name and address of the contractor

Official name: ANTEC & Fundacion TECNALIA Research & Innovation

Town: Portugalete

Postal code: 48920

Country: Spain

V.4. Information on value of the contract/lot

V.5. Information about subcontracting

Contract No: F-696

V.1. Date of conclusion of the contract

14.10.2016

V.2. Information about tenders

V.3. Name and address of the contractor

Official name: SIGMAPHI

Town: Vannes

Postal code: 56000

V.4. Information on value of the contract/lot

V.5. Information about subcontracting

The contract is likely to be subcontracted: yes

Value or proportion likely to be subcontracted to third parties:

Not known

Contract No: F-697

V.1. Date of conclusion of the contract

14.10.2016

V.2. Information about tenders

V.3. Name and address of the contractor

Official name: TESLA Engineering LTD

Town: West Sussex

Country: United Kingdom

V.4. Information on value of the contract/lot

V.5. Information about subcontracting

The contract is likely to be subcontracted: no

Section VI: Complementary information

VI.1. 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: Funded by the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No. 689359.

VI.2. Additional information

VI.3. Procedures for review

VI.3.1. Review body

Official name: The Arbitration Tribunal of Geneva

Country: Switzerland

VI.3.2. Review procedure

VI.3.3. Service from which information about the review procedure may be obtained

VI.4. Date of dispatch of this notice

28.10.2016