

**Supply of 2 Diffractometers for Petra III**

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E-mail: ojs@publications.europa.eu Info & on-line forms: <http://simap.europa.eu>**CONTRACT NOTICE****SECTION I: CONTRACTING AUTHORITY****I.1) NAME, ADDRESSES AND CONTACT POINT(S)**

**Official name:** [Deutsches Elektronen-Synchrotron DESY in der Helmholtz Gemeinschaft](#)

**Postal address:** [Notkestr. 85](#)

Town: [Hamburg](#) Postal code: [22603](#)

Country: [Germany](#)

**Contact point(s):** Telephone: [+49 4089982480](#)

For the attention of: [Sekretariat Abt. Warenwirtschaft](#)

Email: [warenwirtschaft.v4sk@desy.de](mailto:warenwirtschaft.v4sk@desy.de) Fax: [+49 4089984009](#)

**Internet address(es) (if applicable)**General address of the contracting authority (URL): [www.desy.de](http://www.desy.de)

Address of the buyer profile (URL):

**Further information can be obtained at:**

- As in above-mentioned contact point(s)
- Other: please complete Annex A.I

**Specifications and additional documents (including documents for competitive dialogue and a dynamic purchasing system) can be obtained at:**

- As in above-mentioned contact point(s)
- Other: please complete Annex A.II

**Tenders or requests to participate must be sent to:**

- As in above-mentioned contact point(s)
- Other: please complete Annex A.III

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**I.2) TYPE OF THE CONTRACTING AUTHORITY AND MAIN ACTIVITY OR ACTIVITIES**

- |  |   |
|--|---|
| <input type="radio"/> Ministry or any other national or federal authority, including their regional or local sub-divisions | <input type="radio"/> General public services                                 |
| <input type="radio"/> National or federal agency/office  | <input type="radio"/> Defence   |
| <input type="radio"/> Regional or local authority  | <input type="radio"/> Public order and safety                                 |
| <input type="radio"/> Regional or local agency/office  | <input type="radio"/> Environment   |
| <input type="radio"/> Body governed by public law  | <input type="radio"/> Economic and financial affairs                          |
| <input type="radio"/> European institution/agency or international organisation  | <input type="radio"/> Health  |
| <input checked="" type="radio"/> Other ( <i>please specify</i> ):<br>Foundation under German Civil Law                     | <input type="radio"/> Housing and community amenities                         |
|  | <input type="radio"/> Social protection                                       |
|  | <input type="radio"/> Recreation, culture and religion                        |
|  | <input type="radio"/> Education   |
|  | <input checked="" type="radio"/> Other ( <i>please specify</i> ):<br>Research |

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

- yes  no

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### SECTION II: OBJECT OF THE CONTRACT

#### II.1) DESCRIPTION

##### II.1.1) Title attributed to the contract by the contracting authority

Supply of 2 Diffractometers for Petra III

##### II.1.2) Type of contract and location of works, place of delivery or of performance

(Choose one category only - works, supplies or services - which corresponds most to the specific object of your contract or purchase(s))

<input type="radio"/> <b>(a) Works</b> <input type="radio"/> Execution <input type="radio"/> Design and execution <input type="radio"/> Realisation, by whatever means of work, corresponding to the requirements specified by the contracting authorities	<input checked="" type="radio"/> <b>(b) Supplies</b> <input checked="" type="radio"/> Purchase <input type="radio"/> Lease <input type="radio"/> Rental <input type="radio"/> Hire purchase <input type="radio"/> A combination of these	<input type="radio"/> <b>(c) Services</b> Service category No (For service categories 1-27, please see Annex II of Directive 2004/18/EC)
Main site or location of works	Main place of delivery Hamburg NUTS code DE600	Main place of performance

##### II.1.3) The notice involves

- A public contract  
 The establishment of a framework agreement  
 The setting up of a dynamic purchasing system (DPS)

##### II.1.4) Information on framework agreement (if applicable)

<input type="radio"/> Framework agreement with several operators Number <i>OR, if applicable, maximum number of participants to the framework agreement envisaged</i>	<input type="radio"/> Framework agreement with a single operator
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##### Duration of the framework agreement:

Duration in year(s): \_\_\_\_\_ or month(s): \_\_\_\_\_

Justification for a framework agreement, the duration of which exceeds four years:

<b>Estimated total value of purchases for the entire duration of the framework agreement (if applicable; give figures only):</b>	
Estimated value excluding VAT:	Currency:
OR Range: between _____ and _____	Currency:
Frequency and value of the contracts to be awarded: (if known):	

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### II.1.5) Short description of the contract or purchase(s)

A new 3rd generation Synchrotron Radiation Source has started its operations at DESY in Hamburg and two new Diffractometers are needed - One for Beamline P10 and the other one for Beamline P01. Both Diffractometers are for different research fields within the PetraIII project and the needs and specifications differ from each other.

DESY is inviting tenders to offer:

Lot 1: One very precise and extremely stable 6-circle Diffractometer

Lot 2: One 6-circle Diffractometer for medium to high resolution inelastic x-ray scattering measurements

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### II.1.6) Common procurement vocabulary (CPV)

	Main vocabulary	Supplementary vocabulary (if applicable)
Main object	38431000	

### II.1.7) Contract covered by the Government Procurement Agreement (GPA)

yes  no

### II.1.8) Division into lots (for information about lots, use Annex B as many times as there are lots)

yes  no

If yes, tenders should be submitted for (tick one box only)

one lot only

one or more lots

all lots

### II.1.9) Variants will be accepted

yes  no

## II.2) QUANTITY OR SCOPE OF THE CONTRACT

### II.2.1) Total quantity or scope (including all lots and options, if applicable)

Based upon the DESY specifications: the design, manufacture, delivery and assembly of:

Lot 1: One very precise and extremely stable 6-circle  
Diffractometer

Lot 2: One 6-circle diffractometer for medium to high resolution inelastic x-ray scattering measurements

If applicable, estimated value excluding VAT (give figures only):	Currency:
OR Range: between                      and	Currency:

### II.2.2) Options (if applicable)

yes  no

If yes, description of these options:

If known, provisional timetable for recourse to these options:		
in months:	or days:	(from the award of the contract)
Number of possible renewals (if any):		or Range: between                      and
If known, in the case of renewable supplies or service contracts, estimated timeframe for subsequent contracts:		
in months:	or days:	(from the award of the contract)

## II.3) DURATION OF THE CONTRACT OR TIME-LIMIT FOR COMPLETION

Duration in months:	or days:	(from the award of the contract)
OR Starting	(dd/mm/yyyy)	
Completion	(dd/mm/yyyy)	

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### SECTION III: LEGAL, ECONOMIC, FINANCIAL AND TECHNICAL INFORMATION

#### III.1) CONDITIONS RELATING TO THE CONTRACT

##### III.1.1) Deposits and guarantees required (if applicable)

Please refer to the commercial part of the tender documents

##### III.1.2) Main financing conditions and payment arrangements and/or reference to the relevant provisions regulating them

Please refer to the commercial part of the tender documents

##### III.1.3) Legal form to be taken by the group of economic operators to whom the contract is to be awarded (if applicable)

##### III.1.4) Other particular conditions to which the performance of the contract is subject (if applicable)

yes  no

If **yes**, description of particular conditions

#### III.2) CONDITIONS FOR PARTICIPATION

##### III.2.1) Personal situation of economic operators, including requirements relating to enrolment on professional or trade registers

Information and formalities necessary for evaluating if requirements are met:

- excerpt from the applicable Commercial Registry (Handelsregister) for the company. Tenderers who do not have German Residency must include equivalent documentation,
- written confirmation of the responsible financial administrations stating that all tax obligations or dues have been fulfilled orderly,
- written confirmation of the responsible social-insurance authority stating that all obligations concerning social-insurance contributions have been fulfilled orderly,
- self-declaration stating that no disclosure of insolvency or similar legal proceedings have been initiated or are pending against the tenderer,
- self-declaration stating that no liquidation has been initiated or is pending against the tenderer,
- self-declaration stating that no person acting on behalf of the tenderer has been convicted of any delict referred to under Paragraph 6 EG VOL/A.

##### III.2.2) Economic and financial capacity

<p>Information and formalities necessary for evaluating if requirements are met:</p> <ul style="list-style-type: none"> <li>- declaration of the company's total revenues referring to the last three (3) accounting years (each year separately),</li> <li>- if applicable, declaration of turnover figures related to the specific scope of supply of this tender action, referring to the last three (3) accounting years (each year separately).</li> </ul>	<p>Minimum level(s) of standards possibly required (if applicable):</p>
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##### III.2.3) Technical capacity

<p>Information and formalities necessary for evaluating if requirements are met:</p> <ul style="list-style-type: none"> <li>- if applicable, presentation of references covering equivalent projects dated with the last three (3) accounting years, including relevant contact data,</li> </ul>	<p>Minimum level(s) of standards possibly required (if applicable):</p>
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##### III.2.4) Reserved contracts (if applicable)

yes  no

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- The contract is restricted to sheltered workshops
- The execution of the contract is restricted to the framework of sheltered employment programmes

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**III.3) CONDITIONS SPECIFIC TO SERVICES CONTRACTS****III.3.1) Execution of the service is reserved to a particular profession**

yes  no

**If yes**,reference to the relevant law, regulation or administrative provision:

**III.3.2) Legal entities should indicate the names and professional qualifications of the staff responsible for the execution of the service**

yes  no



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### SECTION IV: PROCEDURE

#### IV.1) TYPE OF PROCEDURE

##### IV.1.1) Type of procedure

<input checked="" type="radio"/> Open	
<input type="radio"/> Restricted	
<input type="radio"/> Accelerated restricted	Justification for the choice of accelerated procedure:
<input type="radio"/> Negotiated	<p>Candidates have already been selected</p> <p><input type="radio"/> yes <input type="radio"/> no</p> <p><b>If yes, provide names and addresses of economic operators already selected under Section VI.3)</b>  <i>Additional information</i></p>
<input type="radio"/> Accelerated negotiated	Justification for the choice of accelerated procedure:
<input type="radio"/> Competitive dialogue	

##### IV.1.2) Limitations on the number of operators who will be invited to tender or to participate (*restricted and negotiated procedures, competitive dialogue*)

Envisaged number of operators
OR Envisaged minimum number                      and , <i>if applicable</i> , maximum number
Objective criteria for choosing the limited number of candidates:

##### IV.1.3) Reduction of the number of operators during the negotiation or dialogue (*negotiated procedure, competitive dialogue*)

Recourse to staged procedure to gradually reduce the number of solutions to be discussed or tenders to be negotiated

yes  no

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**IV.2) AWARD CRITERIA**

**IV.2.1) Award criteria** (please tick the relevant box(es))

Lowest price

OR

The most economically advantageous tender in terms of

the criteria stated below (the award criteria should be given with their weighting or in descending order of importance where weighting is not possible for demonstrable reasons)

the criteria stated in the specifications, in the invitation to tender or to negotiate or in the descriptive document

Criteria	Weighting	Criteria	Weighting
1.		6.	
2.		7.	
3.		8.	
4.		9.	
5.		10.	

**IV.2.2) An electronic auction will be used**

yes  no

If yes, additional information about electronic auction (if appropriate)

**IV.3) ADMINISTRATIVE INFORMATION**

**IV.3.1) File reference number attributed by the contracting authority** (if applicable)

EO 002-11-PETRAIII

**IV.3.2) Previous publication(s) concerning the same contract**

yes  no

If yes,

<input type="radio"/> Prior information notice	<input type="radio"/> Notice on a buyer profile
Notice number in OJ:	of (dd/mm/yyyy)
<input type="radio"/> Other previous publications (if applicable)	

**IV.3.3) Conditions for obtaining specifications and additional documents** (except for a DPS) or descriptive document (in the case of a competitive dialogue)

Time limit for receipt of requests for documents or for accessing documents	
Date: 17/05/2011 (dd/mm/yyyy) Time:	
Payable documents	
<input type="radio"/> yes <input checked="" type="radio"/> no	
If yes, price (give figures only):	Currency:
Terms and method of payment:	

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### IV.3.4) Time-limit for receipt of tenders or requests to participate

Date: [15/06/2011](#) (dd/mm/yyyy) Time: [12:00](#)

### IV.3.5) Date of dispatch of invitations to tender or to participate to selected candidates (if known) (in the case of restricted and negotiated procedures, and competitive dialogue)

Date: (dd/mm/yyyy)

### IV.3.6) Language(s) in which tenders or requests to participate may be drawn up

ES CS DA DE ET EL EN FR IT LV LT HU MT NL PL PT SK SL FI SV BG GA RO

Other:

### IV.3.7) Minimum time frame during which the tenderer must maintain the tender (open procedure)

Until: [30/09/2011](#) (dd/mm/yyyy)

OR Duration in month(s):

OR days: (from the date stated for receipt of tender)

### IV.3.8) Conditions for opening tenders

Date: [15/06/2011](#) (dd/mm/yyyy) Time:

Place (if applicable): [DESY Hamburg, Germany](#)

Persons authorised to be present at the opening of tenders (if applicable)

yes  no

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**SECTION VI: COMPLEMENTARY INFORMATION****VI.1) THIS IS A RECURRENT PROCUREMENT** *(if applicable)*

yes  no

**If yes**, estimated timing for further notices to be published:

**VI.2) CONTRACT RELATED TO A PROJECT AND/OR PROGRAMME FINANCED BY EU FUNDS**

yes  no

**If yes**, reference to project(s) and/or programme(s):

**VI.3) ADDITIONAL INFORMATION** *(if applicable)***VI.4) PROCEDURES FOR APPEAL****VI.4.1) Body responsible for appeal procedures**

Official name: [Vergabekammer des Bundes beim Bundeskartellamt](#)  
Postal address: [Villemombler Straße 76](#)  
Town: [Bonn](#) Postal code: [53123](#)  
Country: [Germany](#) Telephone:  
Email: Fax:  
Internet address (URL):

**Body responsible for mediation procedures** *(if applicable)*

Official name:  
Postal address:  
Town: Postal code:  
Country: Telephone:  
Email: Fax:  
Internet address (URL):

**VI.4.2) Lodging of appeals** *(please fill heading VI.4.2 OR if need be, heading VI.4.3)*

Precise information on deadline(s) for lodging appeals:

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**VI.4.3) Service from which information about the lodging of appeals may be obtained**

Official name:

Postal address:

Town:

Postal code:

Country:

Telephone:

Email:

Fax:

Internet address (URL):

**VI.5) DATE OF DISPATCH OF THIS NOTICE:***21/04/2011 (dd/mm/yyyy)*

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**ANNEX A***ADDITIONAL ADDRESSES AND CONTACT POINTS***I) ADDRESSES AND CONTACT POINTS FROM WHICH FURTHER INFORMATION CAN BE OBTAINED**

Official name:

Postal address:

Town:

Postal code:

Country:

**Contact point(s):**

Telephone:

For the attention of:

Email:

Fax:

Internet address (URL):

**II) ADDRESSES AND CONTACT POINTS FROM WHICH SPECIFICATIONS AND ADDITIONAL DOCUMENTS (INCLUDING DOCUMENTS FOR COMPETITIVE DIALOGUE AS WELL AS A DYNAMIC PURCHASING SYSTEM) CAN BE OBTAINED**

Official name:

Postal address:

Town:

Postal code:

Country:

**Contact point(s):**

Telephone:

For the attention of:

Email:

Fax:

Internet address (URL):

**III) ADDRESSES AND CONTACT POINTS TO WHICH TENDERS/REQUESTS TO PARTICIPATE MUST BE SENT**

Official name:

Postal address:

Town:

Postal code:

Country:

**Contact point(s):**

Telephone:

For the attention of:

Email:

Fax:

Internet address (URL):

## Supply of 2 Diffractometers for Petra III

### ANNEX B (1)

#### INFORMATION ABOUT LOTS

**LOT NO 1 TITLE A very precise and extremely stable 6-circle Diffractometer for the Petra III Beamline P10.**

#### 1) SHORT DESCRIPTION

The new 3rd generation storage ring PETRA III at DESY in Hamburg provides highly-brilliant synchrotron radiation with a high degree of spatial coherence. Beamline P10 is dedicated to promote coherent scattering techniques. The precise very stable 6-circle diffractometer will be used for x-ray scattering experiments in the medium to hard x-ray regime (5-25keV). The coherent scattering features ('speckles') from the sample are a few microns big. These features need to stay within the same detector pixel (a few microns) over hours. Therefore the mechanical stability of the diffractometer detailed in this tender is of highest importance. On top of that the requirements for translational and rotational accuracies are also very demanding.

Key information:

- 6-circle diffractometer
- long detector arm
- open chi-circle
- compatible with ARS DE-302 closed cycle cryostat system

#### 2) COMMON PROCUREMENT VOCABULARY (CPV)

	Main vocabulary	Supplementary vocabulary (if applicable)
<b>Main object</b>	38431000	

#### 3) QUANTITY OR SCOPE

Design (in accordance to the DESY specifications), manufacture, delivery and installation of:  
One Unit

<i>If applicable</i> , estimated value excluding VAT ( <i>give figures only</i> ):	Currency:
OR Range: between                      and	Currency:

#### 4) INDICATION ABOUT DIFFERENT DATE FOR DURATION OF CONTRACT OR STARTING/COMPLETION (if applicable)

Duration in months:	or days:	(from the award of the contract)
OR Starting	(dd/mm/yyyy)	
Completion	(dd/mm/yyyy)	

#### 5) ADDITIONAL INFORMATION ABOUT LOTS

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### ANNEX B (2)

#### INFORMATION ABOUT LOTS

**LOT NO 2 TITLE 6-circle Diffractometer for medium to high resolution inelastic x-ray scattering measurements for the Petra III Beamline P01.**

#### 1) SHORT DESCRIPTION

The 6-circle diffractometer will be used for medium to high resolution inelastic x-ray scattering measurements. The measurements will be performed in the hard x-ray regime of 5-20 keV. The floor as well as the x-ray beam stability will be in the order of 1 micron. Therefore the accuracy and the mechanical stability of the instrument detailed in this tender is of highest importance.

#### 2) COMMON PROCUREMENT VOCABULARY (CPV)

	Main vocabulary	Supplementary vocabulary (if applicable)
Main object	38431000	

#### 3) QUANTITY OR SCOPE

Design (in accordance to the DESY specifications), manufacture, delivery and installation of:  
One Unit

<i>If applicable</i> , estimated value excluding VAT ( <i>give figures only</i> ):	Currency:
OR Range: between                      and	Currency:

#### 4) INDICATION ABOUT DIFFERENT DATE FOR DURATION OF CONTRACT OR STARTING/COMPLETION (if applicable)

Duration in months:	or days:	(from the award of the contract)
OR Starting	(dd/mm/yyyy)	
Completion	(dd/mm/yyyy)	

#### 5) ADDITIONAL INFORMATION ABOUT LOTS