

Denmark-Copenhagen: Super computer

OJ S 28/2015 10/02/2015

Contract notice

Supplies

Directive 2004/18/EC

Section I: Contracting authority

I.1. Name and addresses

Official name: Danish Meteorological Institute

Postal address: Lyngbyvej 100

Town: Copenhagen

Postal code: 2100

Country: Denmark

For the attention of: Jens Havskov Sørensen

E-mail: hpcproject@dmi.dk

Telephone: +45 39157500

Fax: +45 39271080

Internet address(es):

General address of the contracting authority: <http://www.dmi.dk>

Additional information can be obtained from:

the abovementioned address

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

the abovementioned address

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

I.2. Type of the contracting authority

National or federal agency/office

I.3. Main activity

General public services

Environment

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

The contracting authority is purchasing on behalf of other contracting authorities: no

Section II: Object of the contract

II.1. Description

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

High performance computing (HPC) facility for forecasting weather, ocean and climate.

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

Supplies

Purchase

NUTS code IS00 Island

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

II.1.4. Information about framework agreement

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

The Danish Meteorological Institute (DMI) provides meteorological and related services for the community within the large geographical area of the Kingdom of Denmark, meaning Denmark, the Faroe Islands and Greenland, including their surrounding waters and airspace. The areas of activities of DMI comprise forecasting and warning services for emergency preparedness as well as continuous monitoring of weather, sea state, climate and related environmental conditions in the atmosphere and in the sea.

DMI intends to procure a new High Performance Computing (HPC) facility. The scope of the supply is to replace DMI's current system in order to enhance the capability of DMI to produce high quality numerical weather predictions (NWP) within specified time intervals with a high level of reliability. The intention is to carry out NWP at higher spatial resolution, thereby improving forecast of extreme weather events such as rainstorms.

DMI is presently undergoing a transition from the hydrostatic Hirlam model to the non-hydrostatic Harmonie model, which will be the main NWP model operated on the new HPC facility. The new system will also be used to provide DMI with increased capability of ocean and climate modelling.

The present HPC facility consists of a pair of Cray XT-5 systems along with its shared Lustre storage subsystem. The present system, which was installed in 2008 and which had its 4-core processors upgraded to 6-core processors in 2011, has an aggregated peak performance of 60 TF across 512 compute nodes, each with 12 AMD Opteron compute cores and 16 GB memory. In addition to the compute nodes each Cray XT-5 system has eight front-end login nodes meant for interactive development and file manipulation work. The shared Lustre storage subsystem is worth 100 TB of usable storage.

The procurement of a new HPC facility includes:

- a) An HPC facility with an upgrade to enhanced processor technologies (expected 2017) to be included;
- b) Maintenance and support service;
- c) Consultancy service consisting of application and system support for the HPC facility (preferably experience with HPC facilities at National Meteorological Services);
- d) Delivery and installation of Hardware and Software at the Icelandic Meteorological Office (IMO) in Iceland. DMI and IMO have a partnership agreement, under which closer collaboration is planned. As part of this partnership DMI will place the procured HPC facility at IMO premises at Bústaðavegur 7-9, 150 Reykjavík, IS Iceland, under daily physical supervision of IMO. Dates for vendors to inspect IMO premises at Bústaðavegur 7-9, 150 Reykjavík, IS Iceland, are Monday 2015-03-23 with a general site tour for all selected bidders followed by individual follow up meetings with same bidders during Tuesday 2015-03-24. The Contract includes a delivery and implementation period of approximately 5-7 months where the new HPC facility will be delivered and installed at IMO in Iceland. The expected 'Site Acceptance Test' (SAT) and Acceptance of the HPC facility is end 2015 / start 2016. The procurement, including options, shall be kept within a financial limit as stated in II.2.1.

II.1.6. CPV code(s)

30211100 Super computer

II.1.7. Information about the Government Procurement Agreement (GPA)

The procurement is covered by the Government Procurement Agreement: yes

II.1.8. Lots

This contract is divided into lots: no

II.1.9. Information about variants

Variants will be accepted: no

II.2. Scope of the procurement

II.2.1. Total quantity or scope

Estimated value excluding VAT:

Range: between 6 200 000 and 6 700 000 EUR

II.2.2. Information about options

Options: yes

Description of options: An extension for an additional year of the maintenance and support contract shall be possible twice, see II.2.3.

II.2.3. Information about renewals

This contract is subject to renewal: yes

Number of possible renewals: 2

II.3. Duration of the contract or time limit for completion

Duration in months: 67 (from the award of the contract)

Section III: Legal, economic, financial and technical information

III.1. Conditions related to the contract

III.1.1. Deposits and guarantees required

Terms and conditions will be stated in the tender documents.

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

Terms and conditions will be stated in the tender documents.

Invoicing must be done in accordance with the at any time applicable Danish legislation on public payments. At present this is the Danish consolidation act. no. 798 of June 2007 which demands that invoicing must be done electronically. Exact terms will be stated in the contract.

III.1.3. Legal form to be taken by the group of economic operators to whom the contract is to be awarded

No specific legal form is required. If the tender is submitted by a group of suppliers, these suppliers must be jointly and severally liable directly and unlimited for the tender and for the performance of the contract. It will become necessary for this group to authorize one of its participating members to act on behalf of the group and to state a single address responsible for the receipt and processing of the orders and resolving any problems relating to the contract.

III.1.4. Contract performance conditions

The performance of the contract is subject to particular conditions: no

III.2. Conditions for participation

III.2.1. Suitability to pursue the professional activity, including requirements relating to enrolment on professional or trade registers

List and brief description of conditions: A solemn declaration stating whether the applicant has outstanding debts to the public sector in Denmark in accordance with the legislation of Denmark, cf. act no 336 of 13.5.1997 on the Restriction of Debtors' Options for Participating in Public Procurement Procedures.

The declaration must be distributed by the legal entity that applies for pre-qualification. If the applicant is a group of suppliers (e.g. a consortium or joint venture) each member must submit the information and documents requested according to section III.2.1.

III.2.2. Economic and financial ability

List and brief description of conditions: The applicant must submit a statement containing the most recent available financial year so far as the company has existed in the period containing information regarding:

— Applicant's equity.

If information from the most recent available financial year isn't available due to the time of the applicant's establishment, an accountant's declaration of the applicant's present financial and economic situation shall be included.

If the applicant relies economically and financially on the capacities of other legal entities (e.g. a parent company), the applicant must provide documentation that proves that the applicant has at his disposal the resources necessary, for instance by providing documentation that the applicant can rely on the capacities of other legal entities in this respect. If the candidate is a group of providers (e.g. a consortium) the above mentioned information must be submitted for each of the members of the group and each member must fulfil the minimum level required. Minimum level(s) of standards possibly required: Positive equity in the recent financial year.

III.2.3. Technical and professional ability

List and brief description of conditions:

A list of the principal deliveries (references) of contracts similar to the deliveries described in section II.1.5) effected in the past 3 years depending on when the applicant was established or commenced its business. "Similar contracts" are contracts or parts of contracts that can be directly referred to the type(s) of HPC facilities that are requested in the present Contract notice (refer to section II.1.5).

The applicant is requested to divulge the following detailed information for each delivery (reference):

1. A clear description of the delivery including which services the delivery contains;
2. Applicant's role(s) in the delivery;
3. Period (start and end time for delivery) for the delivery;
4. Name of the judicial entity which signed the contract regarding the stated reference;
5. Receiver of the delivery, including contact information, the type of organization (e.g. National Meteorological Service) and type of operation of the delivered HPC facility (e.g. 24*7*365 operational production based on output of NWP-models).

A maximum of 5 deliveries (references) may be entered whether it's a single company, and whether the applicant relies on the technological abilities of other entities or it's a consolidation of companies (ie. a consortium). If more than 5 deliveries (references) are received only the first five listed will be taken into account.

It is recommended that the information is structured in the order mentioned in Section II.1.5: a) The HPC facility, b) The maintenance and support service, c) Consultancy services and d) Implementation.

If the applicant has fulfilled similar activities as part of a consortium or the applicant has acted as sub-supplier on similar contracts, the exact contribution by the applicant must be highlighted.

If the applicant relies technically on the capacities of other legal entities (e.g. a parent company), the applicant must provide documentation that proves that the applicant has at his disposal the resources necessary, for instance by providing documentation that the applicant can rely on the capacities of the other legal entities in this respect.

III.2.4. Information about reserved contracts

III.3. Conditions specific to services contracts

III.3.1. Information about a particular profession

III.3.2. Information about staff responsible for the performance of the contract

Section IV: Procedure

IV.1. Type of procedure

IV.1.1. Type of procedure

Restricted

IV.1.2. 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: DMI will select operators who DMI assesses to document the most relevant deliveries similar to the delivery described in section II.1.5), based on the information given regarding to section III.2.3).

IV.1.3. Information about reduction of the number of solutions or tenders during negotiation or dialogue

IV.2. Award criteria

IV.2.1. Award criteria

The most economically advantageous tender in terms of Price is not the only award criterion and all criteria are stated only in the procurement documents

IV.2.2. Information about electronic auction

An electronic auction will be used: no

IV.3. Administrative information

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

2014-337

IV.3.2. Previous publication concerning this procedure

Other previous publications

Notice number in the OJ S: [2015/S 24-039308](#) of 4.2.2015

Notice number in the OJ S: [2014/S 240-421912](#) of 12.12.2014

IV.3.3. Conditions for obtaining specifications and additional documents or descriptive document

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

10.3.2015 - 12:00

IV.3.5. Estimated date of dispatch of invitations to tender or to participate to selected candidates

IV.3.6. Languages in which tenders or requests to participate may be submitted

English.

IV.3.7. Minimum time frame during which the tenderer must maintain the tender

IV.3.8. Conditions for opening of tenders

Section VI: Complementary information

VI.1. Information about recurrence

This is a recurrent procurement: no

VI.2. Information about European Union funds

The procurement is related to a project and/or programme financed by European Union funds: no

VI.3. Additional information

Regarding Section I.1): Request to participate should be prepared on 2 digital storage medias, e.g. 2 USB storages, together with 2 hard copies delivered or mailed in a sealed box or envelope, marked 'To be opened by the HPC project group only'. In case of discrepancy between the original hard copy and the electronic copy, the electronic copy will apply. If the hard copy contains documents or information not included in the original electronic copy this information will be disregarded.

Request to participate cannot be submitted on e-mail.

Regarding Section I.1): There are no specifications or other documents that applicants may request from the contracting authority before submission of the request to participate.

Regarding Section II.2.1): The stated amount is an estimate covering the procured system as set forth in II.1.5) plus options.

Regarding Section III.2.2) and III.2.3): If a candidate is dependent on resources from other entities (e.g. subcontractors or other companies), the candidate must clarify that the candidate has full control over the required resources by submitting a declaration or by providing documentation from the other entities confirming that they will make the required resources available for the fulfilment of the candidates contractual obligations.

Regarding Section IV.1.2): The applicant must only submit one request to participate in this tender as main contractor or sub-contractor.

Regarding Section IV.3.2): Please note this is a re-submitted Contract notice. When comparing to the previous Contract notice several changes has occurred.

The tenderer shall maintain the tender for 8 months.

All times in this Contract notice are given in CET.

VI.4. Procedures for review

VI.4.1. Review body

Official name: Complaints Board for Public Procurement

Postal address: Dahlerups Pakhus, Langelinie Allé 17

Town: Copenhagen

Postal code: DK-2100

Country: Denmark

E-mail: klfu@erst.dk

Telephone: +45 35291000

Internet address: <http://klfu.dk>

VI.4.2. Review procedure

Precise information on deadline(s) for review procedures: Complaints from not-pre-qualified applicants regarding the decision concerning pre-qualification must be filed to the Complaints Board for Public Procurement within 20 days from the day after the contracting authority has send the result regarding the pre-qualification decision to all relevant candidates.

Complaints regarding other part of the procurements process within the scope of directive 2004 /18 EC, but not covered by the above shall be filed to the Complaints Board for Public Procurement within 45 days from the day after the contracting authority has made a contract award notice in the Official Journal of the European Union.

The complainant shall inform the contracting authority about the complaint at the latest when the complaint is filed with the Complaints Board for Public Procurement.

In case the complaint concerns a decision regarding award of a contract the complaint shall inform the contracting authority whether the complaint is filed within the stand still period. If the complaint is not filed within the stand still period the complaints shall inform the contracting authority whether a suspension of the contract has been requested.

VI.4.3. Service from which information about the review procedure may be obtained

Official name: Danish Competition and Consumer

Postal address: Carl Jacobsens Vej 35

Town: Valby

Postal code: DK-2500

Country: Denmark

E-mail: kfst@kfst.dk

Telephone: +45 41715000

Internet address: <http://en.kfst.dk>

VI.5. Date of dispatch of this notice

5.2.2015