

DK-Fredericia: command and control system
OJ S 19/2012 28/01/2012
Contract notice – utilities
Supplies

Directive 2004/17/EC

Section I: Contracting entity

I.1. Name and addresses

Official name: DONG Energy Power A/S

Postal address: Klippehagevej 22

Town: Fredericia

Postal code: 7000

Country: Denmark

For the attention of: Ole Lund Hansen

E-mail: olelh@dongenergy.dk

Telephone: +45 99552840

Internet address(es):

General address of the contracting entity: www.dongenergy.dk

Additional information can be obtained from:

the abovementioned address

Specifications and additional documents (including documents for a dynamic purchasing system) can be obtained from: the abovementioned address

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

I.2. Main activity

Production, transport and distribution of gas and heat

Electricity

I.3. Contract award on behalf of other contracting entities

The contracting entity is purchasing on behalf of other contracting entities: no

Section II: Object of the contract

II.1. Description

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

New Turbine Control System (DCS) at Skærbækværket Power Plant Unit 3.

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

Supplies

Purchase

Main site or place of performance: DONG Energy Power A/S.

Skærbækværket.

Klippehagevej 22.

DK-7000 Fredericia.

NUTS code DK042 Østjylland

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

The notice involves a public contract

II.1.4. Information about framework agreement

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

This contract notice concerns renewal of CPU-based turbine control and turbine protection system for Power plant Skaerbaek Power Plant Unit 3, 410 MW steam turbine supplied by Alstom commissioned in November 1997. Turbine include cylinders for double reheat, LP-bypass and district heat control. DONG Energy Power A/S foresee new CPU's include functionalities for all turbine control and protection.

II.1.6. CPV code(s)

42961000 Command and control system, 42961200 Scada or equivalent system, 38800000 Industrial process control equipment and remote-control equipment, 38810000 Industrial process control equipment, 38820000 Remote-control equipment

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

The procurement is covered by the Government Procurement Agreement: yes

II.1.8. Information about 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

The Skaerbaek Power Plant Unit 3 (SKV3) is equipped with doublet reheat steam system and the turbine has following data:

- Manufacturer ALSTOM,
- Back pressure turbine,
- Load electric between 75 MW and 445 MW. Nominal 410 MW,
- Nominal steam flow 265 kg/s,
- VHP steam pressure 288 bar, temperature 580 °C,
- HP steam pressure 84 bar, temperature 580 °C,
- IP0 steam pressure 22,5 bar, temperature 580 °C,
- District heating 0-450 MJ/s, temperature 90-120 °C.

The present control and protection system TCS/TPS shall be exchanged to a new modern TCS /TPS system suitable for turbine units.

Controls:

- Speed run-up control,
- Speed – droop control (valve position). Speed control without load,
- 1. Wheel pressure control (Load control with gradient control and speed-droop),
- Boiler pressure control,
- Rotor Stress evaluation,
- Frequency support,
- Speed and load gradient limitation by thermal stress,
- Test of overspeed,
- VHP, HP and IP0 backpressure control,
- VHP and HP switch and isolation,
- IP1 and IP2 back pressure limitation,
- Temperature control for District Heating,
- LP-bypass pressure control and water injection.

Protections:

- Over-speed,
- Rotor Stress,
- Steam pressure limits,
- Tightness test of safety valves and control valves,
- Individual test of the trip coils.

Electrical output and controlling of all valves and flaps on turbine and LP-bypass.

The scope comprises functions programming in TCS/TPS for all controls, limitations and protection functions on the turbine.

The scope for TCS/TPS system comprises design, engineering, Hardware, production, FAT test, installation, commissioning of the TCS/TPS and 720 h trial run.

II.2.2. Information about options

Options: no

II.2.3. Information about renewals

This contract is subject to renewal: no

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

Start 2.9.2012 Completion 29.11.2013

Section III: Legal, economic, financial and technical information

III.1. Conditions related to the contract

III.1.1. Deposits and guarantees required

The terms will be stated in the tender invitation documents.

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

The terms will be stated in the tender invitation documents.

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

The terms will be stated in the tender invitation documents.

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: A1. A solemn declaration as to whether the tenderer has fulfilled his obligations in respect of the payment of contributions to social security schemes in accordance with the legislation in the country in which the tenderer is domiciled and in Denmark. And to whether the tenderer, has fulfilled his obligations in respect of the payment of taxes and duties in accordance with Danish legislation.

A2. Tenderers domiciled in Denmark must enclose documentation in the form of a Service Certificate, no more than 6 months old, issued by the Danish Commerce and Companies Agency. Tenderers domiciled in countries other than Denmark must obtain the required documentation in another way from the relevant authorities in the country concerned.

III.2.2. Economic and financial ability

List and brief description of conditions: B1. Ownership and corporate form. If the applicant is a subsidiary, the name and address of the parent company must be stated as well as any information on the name and address of a Danish representative.

B2. Name and address of the applicant's bank.

B3. Annual accounts for the previous three years and if 50 % (or more) of the company is owned by another company, the same information is desired concerning the parent company. The accounting information shall include net turnover, result of primary operations, result after taxation, balance sheet total, equity ratio (equity capital as percentage of the total assets).

B4. Documentation that the applicant can, in case of contract, provide a bank guarantee or guarantee commitment of 10 % of the contract value as security for meeting his obligation to deliver.

III.2.3. Technical and professional ability

List and brief description of conditions: C1. Documentation of the applicants quality management system is required. If the applicant is eg. ISO 9001 certified a copy of the certificate can be used as documentation. If a non-certified system is utilized it is required that the applicant describes:

a) the executive policy of the company concerning quality management - including name and position of the person who is responsible for the quality management in the company,

b) the system for document control in the company,

c) how the company assures that systems, procedures and/or working procedures are monitored,

d) how the company works to prevent and correct actions to diminish deviations from systems, procedures and/or working procedures,

e) how the company evaluates its quality management system,

f) the company's program for instructing employees in quality management and initiatives to secure the employees ability to carry out the job,

g) how the administration of sub-supplier is conducted.

h) procedures for quality control of works performed in the shop, and procedures for documentation of fact finding and reporting in general.

C2. Documentation of the applicants health and safety management system is required. If the applicant is eg. OHSAS 18001 certified a copy of the certificate can be used as documentation. If a non-certified system is utilized it is required that the applicant describes:

a) the executive policy of the company concerning health and safety management - including name and position of the person who is responsible for the health and safety management in the company,

b) how the company assures that systems, procedures and/or working procedures to follow up on unwanted incidents are monitored,

c) how the company evaluates its health and safety management system,

d) how the company works to improve the working environment,

e) how the company has learned from cases where injunctions has been written out or fines has been received for breaking the health and safety legislation,

f) how the applicant assures that sub-suppliers comply with the health and safety legislation etc.

C3. Documentation of the applicants environmental management system is required. If the applicant is ISO 14001 certified a copy of the certificate can be used as documentation. If a non-certified system is utilized it is required that the applicant:

a) describes the executive policy of the company concerning environmental management - including name and position of the person who is responsible for the environmental

management in the company,

b) how the company assures that systems, procedures and/or working procedures to follow up on unwanted incidents are monitored,

c) how the company evaluates its environmental management system,

d) how the company works to reduce its impacts on the environment,

e) how the company has learned from cases where injunctions has been written out or fines has been received for offence of the environmental legislation.

C4. Organisation chart of the applicant.

C5. Statement of the applicant's facilities for detailed engineering, planning and management of the works.

C6. Statement of the applicant's workshop and production facilities.

C7. References of similar renewal of TCS/TPS system supplies to turbine sets, which the applicant has on order or has delivered within the last 5 years in Europe. The list of references shall include information for contact to owners of referred systems (name, address, telephone number etc.) and extent of work (disciplines involved, duration, place and value of contract).

III.2.4. Information about reserved contracts

III.3. Conditions specific to services contracts

III.3.1. Information about a particular profession

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

III.3.2. 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: no

Section IV: Procedure

IV.1. Type of procedure

IV.1.1. Type of procedure

Negotiated

Some candidates have already been selected (if appropriate under certain types of negotiated procedures): no

IV.2. Award criteria

IV.2.1. Award criteria

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

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 entity

IV.3.2. Previous publication concerning this procedure

no

IV.3.3. Conditions for obtaining specifications and additional documents

(except for a DPS)

Payable documents: no

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

28.2.2012 - 12:00

IV.3.5. Languages in which tenders or requests to participate may be submitted

Danish. English.

IV.3.6. Minimum time frame during which the tenderer must maintain the tender

IV.3.7. Conditions for opening of tenders

Section VI: Complementary information

VI.1. Information about recurrence

This is a recurrent procurement: no

VI.2. Information about European Union funds

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

VI.3. Additional information

This notice is a call for prequalification. In order to be prequalified, it is important that all information requested under III.2) Conditions for participation, is included in the request. The request to participate in the prequalification shall be submitted by E-mail to the contact point mentioned in I.1).

Further specifications or additional documents to this contract notice are not available at the contact point given in I.1).

When the prequalification procedure is finalized, a maximum of five (5) prequalified companies will be invited to submit a tender.

VI.4. Procedures for review

VI.4.1. Review body

Official name: Klagenævnet for Udbud

Postal address: Erhvervs- og Selskabsstyrelsen Kampmannsgade 1

Town: København V

Postal code: 1780

Country: Denmark

Telephone: +45 33307621

Fax: +45 33307799

Internet address: www.klfu.dk

Body responsible for mediation procedures

Official name: There are non in Denmark

VI.4.2. Review procedure

Precise information on deadline(s) for review procedures: The deadlines are provided in Danish act no. 492 of 12.5.2010 on enforcement of the public procurement rules, etc (only available in Danish).

Complaints about not having been prequalified must be filed within 30 calendar days from the day after the day when the contracting entity has notified the applicants in question about the result of the prequalification provided that the notification contains a short statement of relevant reasoning behind the decision.

The complainant must notify the contracting entity in writing of the filing of a complaint with Klagenævnet for Udbud (the Review Board for public procurement) at the latest when he files the complaint with Klagenævnet for Udbud, and the notification must contain information about whether the complaint is filed in the standstill period.

If the complaint is not filed in the standstill period, the complainant must also state if it is requested that the complaint be granted suspensory effect.

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

Official name: Konkurrence- og Forbrugerstyrelsen, Center for Jura og Udbud

Postal address: Nyropsgade 30

Town: København V

Postal code: 1780

Country: Denmark

E-mail: kfst@kfst.dk

Telephone: +45 72268000

Fax: +45 33326144

Internet address: www.kfst.dk

VI.5. Date of dispatch of this notice

25.1.2012