

Denmark-Fredericia: Command and control system
OJ S 209/2016 28/10/2016
Contract notice – utilities
Services

Legal Basis:

Directive 2014/25/EU

Section I: Contracting entity

I.1. Name and addresses

Official name: DONG Energy Thermal Power A/S
National registration number: DK
Postal address: Kraftværkvej 53
Town: Fredericia
NUTS code: DK042 Østjylland
Postal code: 7000
Country: Denmark
Contact person: DONG Energy Thermal Power A/S
E-mail: nanve@dongenergy.dk
Telephone: +45 99552843
Internet address(es):
Main address: <http://www.dongenergy.com>

I.3. Communication

The procurement documents are available for unrestricted and full direct access, free of charge, at: <https://goo.gl/mnJ4PP>
Additional information can be obtained from the abovementioned address
Tenders or requests to participate must be submitted electronically via: <https://goo.gl/mnJ4PP>
Electronic communication requires the use of tools and devices that are not generally available. Unrestricted and full direct access to these tools and devices is possible, free of charge, at: www.scanmarket.com

I.6. Main activity

Production, transport and distribution of gas and heat

Section II: Object

II.1. Scope of the procurement

II.1.1. Title

ASV6 Lot 6 DCS (Overall System).

II.1.2. Main CPV code

42961000 Command and control system

II.1.3. Type of contract

Services

II.1.4. Short description

The scope of Works for LOT 6 includes the design, engineering, programming, supply, erection, testing, commissioning and documentation of the Contract Object, an Overall, main, DCS system for ASV6 incl. overall project management for Lot 6.

For a more detailed description of the scope of works for LOT 6, see section VI.3) Additional Information.

II.1.5. Estimated total value

II.1.6. Information about lots

This contract is divided into lots: no

II.2. Description

II.2.2. Additional CPV code(s)

38810000 Industrial process control equipment, 48921000 Automation system, 38570000 Regulating and controlling instruments and apparatus, 72212000 Programming services of application software

II.2.3. Place of performance

NUTS code: DK022 Vest- og Sydsjælland

Main site or place of performance: Asnæsværket, Asnæsvej 16, 4400 Kalundborg.

II.2.4. Description of the procurement

DONG Energy Bioenergy & Thermal Power A/S (Employer) intends to establish a new biomass-fired CHP-unit at Asnæsværket (ASV). The new unit is called ASV unit 6 (ASV6). ASV6 is an industrial sized unit that produces process steam, district heating and power by combustion of woodchip based biomass fuels. The unit will be connected to existing infrastructure for process steam and district heating. The power plant site is placed directly in connection with the costal line. Fuel supplies are provided via ship, more specific via barges, or via truck as alternative.

ASV6 Bio includes establishment of a completely new 'brown field' biomass fired power plant, comprising a fuel logistic plant, a boiler plant (including steel structures for building, facades, flue gas cleaning, flue gas condensing, etc.), and a turbine plant for the production of district heating and process steam for industrial purposes.

The scope of Works for LOT 6 includes the design, engineering, programming, supply, erection, testing, commissioning and documentation of the Contract Object, an Overall, main, DCS system for ASV6 incl. overall project management for Lot 6.

The processes of ASV6 are divided into a number of LOT specific processes, each controlled by its own Control Subsystem/Process Station, which includes control behaviors in field level (local level) and which is designed to be operated from a DCS system's/Process control system's supervisory control level/HMI, but which can also operate autonomously, independently of the operating system. The main DCS shall unify the different individual Control Subsystems/Process Stations (which are distributed throughout the overall main — DCS system), into one supervisory and control level/HMI to establish a completely homogenous operator environment based on the overall main — DCS system.

The main DCS of ASV6 shall be designed as an independent distributed control system, and shall work independently of the current DCS of ASV unit 1-5. The system will be installed in a standalone process building separated from the rest of the power plant's production units. It is, however, foreseen that selected parts of the current processes of ASV1-5 are to be operated via the DCS of ASV6 (such as start/stop — commands, and monitoring of in/out, and Error — states, of entire function units of ASV1-5).

II.2.5. Award criteria

Criteria below

Quality criterion - Name: Technical Solution / Weighting: 30

Quality criterion - Name: Commercial Terms / Weighting: 25

Quality criterion - Name: QHSE / Weighting: 5

Price - Weighting: 40

II.2.6. Estimated value

II.2.7. Duration of the contract, framework agreement or dynamic purchasing system

Duration in months: 18

This contract is subject to renewal: no

II.2.9. Information about the limits on the number of candidates to be invited

Envisaged minimum number: 3 Maximum number: 5 Objective criteria for choosing the limited number of candidates:

Applicants must have a financial strength proportionate to the magnitude of the Contract in order to ensure proper performance, and the necessary technical capacity to ensure proper fulfilment of the contract.

If the number of Applicants applying for prequalification exceeds 3-5, the Contracting Entity will perform the prequalification on the basis of an evaluation of the following criteria with the weighting as specified:

1. Financial and economic capacity: 30 %

2. References: 50 %

3. Quality Management: 10 %

Ad1) Financial and economic capacity: 30 %

The assessment regarding the Applicant's economic and financial capacity will be based upon the figures requested in section III.1.2) submitted by the Applicant in the ESPD.

Ad 2) References

The assessment regarding the Applicant's References will be based upon the information requested in section III.1.3) last section, submitted by the Applicant in the ESPD.

Ad3) Quality Management System:

The assessment regarding the Applicant's Quality Management System will be based upon the informations requested in section III.1.3) first section regarding Quality Management, submitted by the Applicant in the ESPD.

II.2.10. Information about variants

Variants will be accepted: no

II.2.11. Information about options

Options: yes

Description of options:

See Schedule 2 — Schedule of Rates (Price List) section 2 comprising of Service contract and Strategic Spare parts to the Scope of Work.

II.2.13. Information about European Union funds

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

II.2.14. Additional information

Section III: Legal, economic, financial and technical information

III.1. Conditions for participation

III.1.2. Economic and financial standing

List and brief description of selection criteria:

Conditions to be fulfilled by economic operators in view of their qualification:

A) Information regarding the contracting entity

The Applicant shall submit the following information regarding:

A.1 Company name, Address, mail, name and web-page;

A.2 Contact person, mail and phone-number;

A.3 Registration (CVR no. or equivalent and VAT no. or equivalent).

The information should be provided in the eESPD part II, section A.

Conditions to be fulfilled by economic operators in view of their qualification:

Description of ownership and corporate structure. The Applicant shall submit a description of ownership and corporate structure. If the Applicant is a subsidiary, the Applicant shall submit the name of the highest possible group parent — being an entity directly or indirectly controlling more than 50 % of the Applicant. The information should be provided in the eESPD part IV, section B where it says 'Other economic or financial requirements'. If, for technical reasons, the Applicant finds that it is impossible to insert a full description of ownership and corporate structure in the eESPD, the Applicant can consider to upload a separate file in Scanmarket with the description and refer to such file in the eESPD part V.

Minimum level(s) of standards possibly required:

The Applicant shall submit information enabling DONG Energy Thermal Power A/S to assess the Applicant's economic and financial capacity.

The Applicant should provide the figures below based on the latest 2 annual reports. The Applicant shall submit the information in the eESPD part V stating which financial year the information relates to (e.g. financial year 2015 if this is the latest annual report).

The Applicant should provide the following figures based on the latest 2 annual reports:

- Turnover (revenue);
- net result before tax;
- current assets;
- total assets (Sum of all assets);
- total shareholder's equity (Equity including minority shares);
- current liabilities;
- Intangible assets;
- Inventories;
- Trade receivables;
- Cash and cash equivalents;
- Trade payables.

III.1.3. Technical and professional ability

List and brief description of selection criteria:

The Applicant are encouraged to describe the Applicant's quality management, health and safety management and environmental management systems in the eESPD part V. If the Applicant is certified according to either ISO 9001.2008, OHSAS 18.001 or ISO 14.001 or equivalent, information about having all three certificates will be considered a full description of the three management systems. For non-certified systems the Applicant are encouraged to insert the full wording of the relevant management systems in the eESPD part V. The information can be send in either English or Danish. If for technical reasons the Applicant finds

that it is impossible to insert a full description of one or several uncertified management systems in the eESPD, the Applicant can consider to upload a separate file in Scanmarket with the description and refer to such file in the eESPD part V.

Minimum level(s) of standards possibly required:

The references must comprise of the most relevant works executed on power plant comparable to ASV6 LOT 6 DCS from January 1 2011 — October 1 2016 (Overall System),cf.

Section V Additional Information. DONG Energy Thermal Power A/S encourages the Applicants to include the following information for each of the references:

- Title of the project;
- Customer and contact information;
- Period of execution;
- Contract value;
- Description of the project;
- Scope of supply and the Applicant's role in the project;
- Turn-key-extent/EPC (meaning inclusion of sub-systems);
- Reference geographic location.

The list should include up to 5 references. If more than 5 references are submitted, only the 5 first references will be considered.

III.1.4. Objective rules and criteria for participation

List and brief description of rules and criteria:

Application for admission in qualification system must be submitted in the e-sourcing system Scanmarket. Please follow the following link to apply <https://goo.gl/mnJ4PP>.

Applicants are requested to fill out the eESPD document using the XML file and the tool 'Response to section V' made available by DONG Energy Thermal Power A/S through Scanmarket.

It is not a requirement that the Applicant fills out part III A and B of the eESPD since the exclusion grounds in part III A and B is 'pre-entered' without any possibility to edit. The Contracting Entity will not take the pre-entered fields in part III A and B into consideration, since part III A and B is not used. Accordingly, the Contracting Entity will not ask for documentation for information in this part.

All contact and inquiries regarding this tender must be made through DONG Energy Thermal Power A/S's eSourcing system Scanmarket. All information requested must be submitted in the e-sourcing system Scanmarket as a part of the eESPD.

III.1.6. Deposits and guarantees required

The Contracting Entity will ask for an Advance Payment Bond if this is necessitated by the agreed payment plan.

Performance bond at 10 % of the Contract price will be requested. As well as the Contracting entity reserves the right to request a Parent Company Guarantee (PCG) if applicable.

III.1.7. Main financing conditions and payment arrangements and/or reference to the relevant provisions governing them

Will follow in the Tender Conditions (if any).

III.1.8. Legal form to be taken by the group of economic operators to whom the contract is to be awarded

If the Contract is awarded to a consortium, the members of the consortium shall accept joint and several liability and appoint a common authorised representative.

Section IV: Procedure

IV.1. Description

IV.1.1. Type of procedure

Negotiated procedure with prior call for competition

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

IV.1.8. Information about the Government Procurement Agreement (GPA)

The procurement is covered by the Government Procurement Agreement: no

IV.2. Administrative information

IV.2.2. Time limit for receipt of tenders or requests to participate

Date: 14/11/2016 Local time: 22:00

IV.2.3. Estimated date of dispatch of invitations to tender or to participate to selected candidates

Date: 18/11/2016

IV.2.4. Languages in which tenders or requests to participate may be submitted

English, Danish

IV.2.6. Minimum time frame during which the tenderer must maintain the tender

Duration in months: 3 (from the date stated for receipt of tender)

Section VI: Complementary information

VI.1. Information about recurrence

This is a recurrent procurement: no

VI.3. Additional information

In order to control and monitor all the processes and components and to support automatic operation of the ASV unit 6, a Distributed Control System (DCS) that governs the controls of the process stations (PS) for controlling and monitoring is required. Furthermore, safety instrumented systems (Fail Safe design) are required to protect process equipment and personal in fault situations. The Fail Safe design handles process shutdown, and emergency shutdown.

Based on power plant experience the complete system (Control Subsystems/PSs, unified into the main — DCS (LOT6)), should be built as a hierarchical system; which has several logical layers; which is divided into functional units, and is performing continuous control, and open loop control of the overall plant control.

The Control Subsystem/Process Station (PS), shall be designed to be part of a DCS system /Process Control System with supervisory control level/HMI, including dedicated power plant SW libraries for control behaviours containing macros/ function blocks, providing specialized functions/ calculation for advanced power plant process calculations. Furthermore the Control Subsystem /Process Station (PS) shall include macros/function blocks, supporting the design of advanced closed loop continuous controls. The dedicated power plant libraries and associated macros/ function blocks must be 'proven in use' standard power plant libraries and macros/function blocks. This applies equally to the overall main — DCS system.

LOT6 must provide a highly skilled closed loop process engineer capable of engineering a programmable overall closed loop control (overall production Unit Control) from the general

description of the employer as well as the descriptions of the modes of operation. The employer will comment the functional description of the closed loop control, and the employer will participate in the commissioning.

The philosophy of the level of automation of ASV6 is to be based on control of the plant from one not permanently manned control room, which covers both the boiler and all connected systems (Control Subsystems/PSs). The instrumentation and control must be designed in a way that unmanned control as well as remote control is possible, and it must be approved by a notified body. The requirement for operator interaction and monitoring must be at a level where one process operator is capable of handling normal operation of the plant, including start (hot), stop (hot) and switchover from one mode of operation of ASV6 to another.

All Contractors and Subcontractors, together with the client, have to participate in coordination meetings, where issues, that need coordination between all of the Contractors, have to be discussed and solved in a way that can be accepted by the client.

The Contractor of the main — DCS (LOT6) is responsible for making, leading, organizing, arranging the meetings, the completing and distributing of detailed design guidelines developed from the meetings, to the participants.

The Contractor of the main — DCS (LOT6) is responsible for reviewing and quality control of the designs and engineering of LOT1-3, controlling, that LOT1-3 are following the detailed design guidelines, ensuring that the hard and software designs are engineered and designed according to the detailed design guidelines.

To ensure a swift incorporation of the answers related to section V in the mandatory eESPD we put a tool ('Response to section V') at your disposal which provides a transparent structure and an easy way to fill out section V.

When filling out the eESPD the Applicants are encouraged to use the 'Response to section V' tool when filling out the eESPD.

The tool includes instructions.

eESPD Support

Applicants who wants to participate in a Skype meeting Nov. 2 at 11:30 or Nov. 9 at 13:00 for technical support to fill out the eESPD form must send an email to the contact person in this notice.

VI.4. Procedures for review

VI.4.1. Review body

Official name: Klagenævnet for Udbud

Postal address: Nævnenes Hus, Toldboden 2

Town: Viborg

Postal code: 8800

Country: Denmark

E-mail: klfu@erst.dk

Telephone: +45 35291000

Internet address: www.klfu.dk

VI.4.3. Review procedure

Precise information on deadline(s) for review procedures:

Precise information on deadline(s) for review procedures:

Complaints about not having been pre-qualified must be filed within 20 (twenty) calendar days from the day after the day when the Contracting Entity has notified the applicants in question about the result of the pre-qualification, provided that the notification contains a short statement of relevant reasoning behind the decision. The complaint must notify the

Contracting entity in writing of the filing of the complaint with Klagenævnet for Udbud at the latest when he files the complaint.

VI.4.4. Service from which information about the review procedure may be obtained

Official name: Konkurrence- og Forbrugerstyrelsen

Postal address: Carl Jacobsensvej 35

Town: Valby

Postal code: 2500

Country: Denmark

E-mail: kfst@kfst.dk

Telephone: +45 41715000

Internet address: www.kfst.dk

VI.5. Date of dispatch of this notice

26/10/2016