

CALL FOR MARKET CONSULTATION No. 50885

Kozloduy NPP EAD informs all interested parties that in connection with the preparation for the award of a public procurement and determination of the estimated value pursuant to Article 44 of the PPA is collecting indicative tenders for "Supply of rotating rigid probe with protection sleeve and cross windings for eddy current testing of steam generator heat exchanging tubes"

The proposal shall include:

- detailed description of the proposed equipment, as specified in the technical specification below, catalogue data;

- unit price;
- information about deadline of delivery;
- information about terms of delivery;
- warranty period/ service life/ lifetime;
- accompanying documentation upon delivery;
- exact address and contact person, telephone, fax, e-mail, website.

Inquiries regarding the market consultations shall be made by 20 February 2023 to the following e-mail address: commercial@npp.bg, and the clarifications will be published in the Buyer's profile.

The deadline for submitting the indicative proposals is 24 February 2023 to the following e-mail address: commercial@npp.bg

The indicative proposals and any other information exchanged in relation to the market consultations held shall be published in the Buyer's profile.

By submitting an indicative proposal, each participant in the market consultations agrees that the proposal and any other information provided as a result of the market consultations will be available to the public in the Buyer's profile.

The Contracting Authority retains the rights to use indicative proposals received in the course of conducted market consultations for the public procurement award up to the value thresholds under Article 20, para. 4 of the PPA.

Further information can be obtained from Manuela Krasimirova - Marketing Expert, tel. +359 973 7 3361, e-mail: MKSimeonova@npp.bg

Enclosures:

1. Technical Specification
2. Indicative proposal sample form.

TECHNICAL SPECIFICATION

For delivery of solid rotating probe, with protective sleeve, with crossed coils for eddy current testing of steam generator's heat exchanging tubes

1. Description of delivery

1.1 Description of the manufactured and delivered equipment or materials

1.1.1. To ensure eddy current testing of the heat exchange tubes in steam generator SG-1000M on power plants 5 and 6 in the rolling area, it is necessary to supply rotary probes. Eddy current control is performed with MIZ-85iD-2 eddy current instrument, Eddynet: AQ/ZAC-V1.6.2.0 data acquisition software and AN V1.2.2.0 data analysis software.

1.1.2. It's necessary to be delivered 2 solid rotating probes, with protective sleeve, with crossed coils, working in drive-pickup mode; 2 electric motors; 2 heads with coils and 2 protective sleeves.

2. Main characteristics of the equipment and materials

2.1 Physical and geometrical characteristics

2.1.1. The electrical characteristics of the probes should be calculated for material 08X18H10T with dimensions $\text{Ø}16\text{mm} \times 1.5\text{mm}$ (operating frequencies $20 \div 300\text{kHz}$, main – 150kHz).

2.1.2. Total length of the probe - 330mm.

2.1.3. Length of the probe's shaft - 190mm

2.1.4. Diameter of the probe's head - 12.0mm

2.1.5. Diameter of the probe's motor main body – 36mm

2.1.6. The probe to send a synchro pulse to determine the azimuth position

2.1.7. Revolutions – up to 4000rpm

2.1.8. The probes have to be electrically and mechanically suited to work with the adapter for MIZ-85Id-2 (connector Lemo FGG. 2B.310.CLAD92- a wiring diagram of the probe and connector should be attached).

2.2 Characteristics of materials

2.2.1. The probes should not contain materials containing chlorine and fluorine ions on their surface.

2.2.2. The probes should not mechanically damage the heat exchange pipes.

2.2.3. The probes are secured so that in the event of damage they can be removed without leaving any residue from the heat exchange tubes.

2.3. Normative-technical documents

2.3.1. The delivered probes must comply with the regulatory and technical documents and standards of the manufacturer for the specified type and type of product.

2.4. Requirements for the warranty

2.4.1. The contractor must guarantee full scope control(171mm) of the rolled transition area in the heat exchanging tube with the delivered probes.

2.4.2. The contractor must guarantee 3600 tubes cycles per probe from the end of collector along the II circuit to the end of the pipe for steam generator SG-1000M (TS-TE = 171 mm).

2.4.3. In the case of a smaller number of controlled pipes, the contractor provides the necessary probes entirely at his own expense.

3. Packaging, transportation, temporary storage

3.1. Shipping and packaging requirements.

3.1.1. Upon delivery, the probes should be shipped in packaging that meets the standards and technical conditions of the country of manufacture and ensures storage and transportation. Each package must be marked with information containing as a minimum: name of equipment, number of parts, overall dimensions and weight.

3.1.2. The probes must be protected from mechanical damage during transport and storage.

3.2. Storage conditions.

3.2.1. The contractor must specify the conditions for storing the equipment.

4. Documents required for delivery.

4.1. Documents accompanying the delivery and documents required for installation, operation and servicing of the equipment.

4.1.1. The contractor must confirm the implementation by the manufacturer of a certified QMS in the production of the probes, according to ISO 9001:2015 or equivalent, to be certified by a valid certificate.

4.1.2. Upon delivery, the contractor must present complete technical documentation of the probes (certificate). The certificate must contain a minimum serial number; type; reference document; nominal values, tolerance and measured values for:

- geometric dimensions (diameter and length of: probe housing and motor);
- electrical characteristics (basic frequency, frequency range, maximum permissible voltage))

4.1.3. Declaration of origin of the delivered products.

4.1.4. Installation and storage instructions/guide.

The documents accompanying the delivery should be presented on paper, 1 copy in the original language and 1 in Bulgarian. Certificates and declarations are presented in the original language, accompanied by a translation into Bulgarian.