

Call for market consultation No.54245 'Supply of cross-coils solid-state rotating probes with a protective sleeve for eddy current testing of heat exchanger tubes of steam generator PGV-1000M, control procedure, system qualification and technical assistance'

Kozloduy NPP EAD hereby informs all interested parties that in connection with the preparation for award of a public procurement contract and determination of an estimate value, on the grounds of Art.44 of the Public Procurement Act is collecting indicative proposals for the 'Supply of cross-coils solid-state rotating probes with a protective sleeve for eddy current testing of heat exchanger tubes of steam generator PGV-1000M, control procedure, system qualification and technical assistance'

The proposal should include:

- detailed description of the proposed goods, as specified in the technical specification enclosed below;
- unit price, VAT excluded;
- information about deadline and terms of delivery, warranty period;
- information on the goods' manufacturer;
- accompanying documentation upon delivery;
- exact address and contact person, telephone number, fax, e-mail, website.

Inquiries regarding the market consultations may be made by 4 pm on 12.07.2024 at the following e-mail address: [commercial@npp.bg](mailto:commercial@npp.bg), and the clarifications will be published in the Buyer's profile.

Deadline for submission of the indicative offer: 4 pm on 19.07.2024 at the following e-mail address: [commercial@npp.bg](mailto: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 shall be entitled to use the indicative proposals received in the course of the conducted market consultations for the award of public procurement up to the value thresholds as specified in Article 20, para 4 of the Public Procurement Act.

Further information can be obtained from Manuela Krasimirova, Marketing Expert, tel. +359 973 7 3361, e-mail: [MKsimeonova@npp.bg](mailto:MKsimeonova@npp.bg)

Appendices:

1. Technical Specification;
2. Indicative proposal standard form

## TECHNICAL SPECIFICATION

For distribution of solid rotary probes with crossed coils and protective sleeve for eddy current control for heat exchange tubes of steam generator PGV-1000M, control procedure, system qualification and technical assistance.

Technical characteristics of a solid rotary probe with crossed coils and protective sleeve type SOROTEC M2:

- 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  $50 \div 300\text{kHz}$ , main –  $150\text{kHz}$ ).
- 1.2. Total length of the probe –  $333.0 \pm 1.0\text{mm}$ .
- 1.2.1. Length of the working part of the probe –  $173.0 \pm 1.0\text{mm}$ .
- 1.3. Length of the probe shaft –  $193.0 \pm 1.0\text{mm}$ .
- 1.4. Diameter of the probe body –  $12.3 \pm 0.1\text{mm}$ .
- 1.5. Diameter of the probe motor housing –  $36 \pm 1.0\text{mm}$ .
- 1.6. The probe should provide a synchro pulse to determine the azimuth position.
- 1.7. Revolutions - up to  $4000 \text{ min}^{-1}$
2. Description of the manufactured and supplied equipment:
  - 2.1. SOROTEC M2 solid rotary probes with protective sleeves, with crossed coils, operating in broadcast-receive mode - 3 pieces with accompanying certificates;
  - 2.2. Spare heads with coils - 6 pieces;
  - 2.3. Protective sleeves - 6 pieces;
  - 2.4. Calibration block with attached drawings and certificates - 1 piece;
  - 2.5. Rent Block qualification – 1 unit;
  - 2.6. Control procedures containing configuration and settings of the MIZ 85 eddy current flaw detector and Eddynet 1.18.1. for analysis and Eddynet 1.7.2. ((ZAC 1.6.2.0) to collect data (Acquisition).
  - 2.7. Staff training in data collection and analysis. Four data collection specialists for 8 working hours and four data analysis specialists for 32 working hours.
  - 2.8. Assistance in qualification of the used eddy current technique;
  - 2.9. Technical assistance in implementing control during operation:
    - 2.9.1. Provision of technical assistance by the Contractor's specialists in collecting data during the planned annual repair - 2 specialists for 5 days;
    - 2.9.2. Analysis of the collected data by the Contractor's specialists during the planned annual repair - 2 specialists for 5 days.
    - 2.9.3. Specialists must be qualified according to CP 187, EN 9712 or similar standard.
  - 2.10. Shelf life and life cycle requirements
    - 2.10.1 The contractor shall ensure control of the full extent (171 mm) of the rolled part of the heat exchange tubes with the supplied probes.