**German Financial Cooperation with North Macedonia**

**INVITATION FOR PREQUALIFICATION OF CONTRACTORS (Tender Notice)**

for Procurement of Works for project “**District Heating System Bitola - Contract 3 - Substations: Individual heating substations (IHS) incl. central IHS SCADA system**”; Procurement number: 509889

**Description:**

JSC Power Plants of North Macedonia – AD Elektrani na Severna Makedonija (AD ESM) [the Employer] has received financing from KfW toward the cost of the District Heating System Bitola and intends to apply part of the proceeds toward payments under the contract for **District Heating System Bitola - Contract 3 - Substations: Individual heating substations (IHS) incl. central IHS SCADA system**.

The purpose of this contract is the implementation of works envisaged to achieve the extraction of heat through steam from the thermal power plant REK Bitola and thereof distribution to the future district heating system in Bitola. The overall goal of the project is to contribute to pollution reduction, climate protection and improvement of living conditions in Bitola

The scope of works of this **Tender** comprises roughly the following parts of the new district heating system Bitola:

1. Installation of new DH substations in 35 public buildings
2. Installation of a dedicated substation SCADA system

The planned fully automatic and prefabricated DH substations including pressure maintaining / expansion system are spread over the whole city area reaching from densely populated districts to new development areas. In some city districts additional consumers are connected along of existing DH pipes (DH network densification) and in other districts (DH network extension) a completely new DH network infrastructure must be erected. The scope of supply comprises a fully equipped “Heat exchanger unit” including all required mechanical and electrical devices (Heat exchanger, valves, instruments, DC control unit) and the connection to the existing building installation on the secondary side.

The DH substations shall be installed in the basements of selected buildings near to existing house installations mainly in existing boiler rooms.

The new DH system will be in operation only during the heating period; therefore, no domestic hot water preparation modules are foreseen in the substations.

The heating capacity ranges from the smallest with 200 kW up to the biggest one with about 4,5 MW.

All new installed DH substations shall be equipped with a PLC unit shall transmit the data via cable connection to the DH substation SCADA system located in an operator room at REK-TPP. The fibre optic cable system is already available and installed by another contractor within the previous tendered Tender No. 1. The transmitted data of all substations shall be collected, visualized and stored in a new independent DH substation SCADA system.

The works can also include civil works for the upgrade or refurbishment of the substation rooms such as erection of divider walls with access doors or similar.

The Works will be contracted applying 1999 First Edition FIDIC® Conditions of Contract for Plant and Design Build for Electrical and Mechanical Plant, And for Building and Engineering Works, Designed by the Contractor (FIDIC Yellow Book) with two stage and two envelope procedure. Accordingly, the Contractor shall elaborate an “execution design” with all necessary details to fulfil the functional requirements of the tender as well as all documents required for the permitting procedures if any.

The planned time for completion incl. readiness for commissioning is 365 days i.e. from Q4/2023 until Q4/2024 followed by 12 months of Defects Notification Periods. The actual commissioning will be aligned with the other tenders/contracts which are required to supply the heat to the substations.

The Contractor shall be selected through International Competitive Bidding process. The respective KfW Guidelines for Procurement of Supply and Works Contracts under Financial Cooperation with Developing Countries, which can be downloaded from https://www.kfw-entwicklungsbank.de/PDF/Download-Center/PDFDokumente-Richtlinien/FZ-Vergaberichtlinien-V-2021-EN.pdf shall apply.

Interested contractors, both national and international and having proven record of successful completion of works of similar size and nature are invited to apply for prequalification. The qualifying criteria include but are not limited to the following:

(a) **Average Annual Construction Turnover**: Minimum average annual construction turnover of 1.000.000,00 (one million), for the years 2018 - 2022, calculated as total certified annual payments received for contracts in progress and/or completed.

(b) **Specific Construction & Contract Management Experience**:

1. At least 5 (five) similar contracts, satisfactorily and substantially completed as a prime contractor or joint venture lead member, between 1st January 2012 and application submission deadline of minimum cumulative value of EUR 750.000 (seven hundred fifty thousand).
2. At least one project in Central, Eastern and Southeastern Europe (Albania, Armenia, Azerbaijan, Bosnia & Herzegovina, Bulgaria, Czech Republic, Croatia, Georgia, Hungary, Kosovo, Moldova, Montenegro, North Macedonia, Poland, Romania, Serbia, Slovakia, Slovenia, Ukraine).

For the above or any other contracts completed and under implementation as prime contractor, joint venture member, management contractor or subcontractor on or after the first day of the calendar year during the period stipulated previously, a minimum construction experience in the following key activities successfully completed:

1. At least 15 district heating sub-stations implemented in the last 5 years.
2. At least two (2) projects shall comprise a SCADA system;
3. 1 project with a sub-station heating capacity of a single substation of at least 1MW.

(d) **Financial Capabilities:** The Applicant shall demonstrate that it has access to, or has available, liquid assets, unencumbered real assets, lines of credit, and other financial means (independent of any contractual advance payment) sufficient to meet the construction cash flow requirements estimated as EUR 200.000 (two hundred thousand) for the subject contract(s) net of the Applicants other commitments

(e) All **pending litigation** shall in total not represent more than one hundred percent (100%) of the Applicant’s net worth and shall be treated as resolved against the Applicant.

Further qualification criteria are presented in the prequalification documents. Only firms who are prequalified will be invited to Tender. The prequalification documents are available at no fee at the below address (in electronic copy).

The Prequalification Documents can be obtained from the Tender Agent. Email: **Bitola-DH-Tender3@ic-group.org**

Applications must be delivered to the addresses below to be received on/or before **12.09.2023 at 14:00h CET**. Late applications will be rejected. Electronic submission by email is prohibited.

**One (1) original, and two (2) hard copies and one (1) soft copy in searchable pdf format on USB of the Application shall be submitted at the following address:**

AD ESM /

Mr. Goran KOZAROV

11 Oktomvri No.9, Room No 24

1000 Skopje

North Macedonia

**Additionally, one (1) hard copy and one (1) soft copy of the Application shall be submitted at the following address:**

Implementation Consultant Tender Agent:

iC consulenten ZT GesmbH

Attention: Mr Muhamed VESELI

Schoenbrunner Strasse 297

1120 Vienna

Austria