

Tender Notice

Consulting Services – “Digitalization of the Energy Transmission System” (Substation Modernization Measures, SCADA/EMS-System Upgrade and Protection Coordination)

International Public Bidding (with Pre-qualification)

- Partner Country:** Albania
- Reference-No.:** BMZ-No.: 2099 20 68
KfW Procurement No.: 506597
- Submission Deadline:** May 25th, 2021 (12:00 local time in Germany)
- Submission Language:** English
- Prequalification:** Invitation for Expression of Interest
- Reference:** International open tender for Consulting Services for the Project “Digitalization of the Energy Transmission System” (Substation Modernization Measures, SCADA/EMS-System Upgrade and Protection Coordination)”.
- Employer:** Transmission System Operator OST
- Financing:** The Project will be financed by KfW
- Project Background:** The Albanian Transmission System Operator (OST) continuously invests in the maintenance and improvement of its network infrastructure in order to ensure that its customers are reliably supplied with electrical energy. In order to meet this requirement, OST is planning further modernization measures in its network infrastructure.
- In order to be able to estimate the investment costs for the required modernization measures, OST made a preselection of substations that need to be modernized and commissioned a consultant to conduct a pre-feasibility study.
- Project Measures:** The pre-feasibility study is meant to serve as implementation guide for the respective project measures and as a basis for investment decisions. It had the following objectives:
- providing a detailed description of the actual status of the primary and secondary equipment in the individual substations on 110kV level, with special focus on the existing control and protection devices/systems, the status of SCADA / EMS-System integration and availability of telecommunication infrastructure (telecommunication equipment and OPGW);
 - based on the findings of a), elaborating an overall implementation concept and identifying implementation measures (primary and secondary equipment) for each substation separately;
 - identifying necessary extension and upgrading / updating measures in the SCADA/EMS-System, located in the National Dispatch Center (NDC), with special focus on the achievement of the actual ENTSO-E requirements;

- identifying required investments in the telecommunication infrastructure (telecommunication equipment and OPGW) required for SCADA/EMS-System integration.

Requested Consulting Services:

A detailed feasibility study (based on pre-feasibility study) for this project shall be developed.

The feasibility study includes the following three components:

a) Elaboration of a feasibility study for the automation/digitalization (RTU/SCMS) of selected high voltage substations including the rehabilitation of the transmission system infrastructure and the rehabilitation of the network control centre (SCADA/EMS)

b) Elaboration of a protective relay setting and coordination study

c) Elaboration of ESIA's (Option).

The award of the Consulting services is planned for the end of 3Q/2021. The overall period for the elaboration of the feasibility study is estimated with 8 months.

The prequalification for consulting services will be guided by the latest version of the "Guidelines for the Procurement of Consulting Services, Works, Plant, Goods and Non-Consulting Services in Financial Cooperation with Partner Countries". <https://www.kfw-entwicklungsbank.de/PDF/Download-Center/PDF-Dokumente-Richtlinien/FZ-Vergaberichtlinien-V-2021-EN.pdf>

The Employer intends to award the requested consulting services to eligible consultants. Eligible consultants are all independent and qualified consulting companies with ten (10) or more years of experience in the sector. Sector means Digitalization of the Energy Transmission System.

Consulting firms with regional experience in handling similar projects with similar tasks in Albania, Bosnia and Herzegovina, Montenegro, North Macedonia, Serbia, Kosovo, Croatia, Slovenia, Ukraine, Georgia and Armenia are preferred. The Bidder shall show a necessary average annual turnover of more than EUR 1.5 million over the last three years. A consortium or joint venture needs to show a total average annual turnover of EUR 1.5 million over the last three years, whereas the lead partner shall show an average annual turnover of more than EUR 1.05 million.

More detailed information about the project, content and form of the application documents and the scope of services of the Consultant can be requested from the Tender Agent (TA). Without this information, it might not be possible to produce a compliant Expression of Interest.

Detailed Terms of Reference will be provided to consultant that submitted an expression of interest and that have been successfully prequalified.

For any request to or correspondence with the TA, the responsible person of the Employer shall be taken in cc.

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