

**Повик за вработување на позиција експерт: “Инженер” за потребите на проектот: “Програма за обновливи извори на енергија во Република Северна Македонија”**

**Employment call for expert Position: Engineer  
for the needs of the project/programme “Renewable Energy Programme North Macedonia”**

**Background of the Project/ programme**

Within the framework of the "Renewable Energy Programme ESM" (the Programme), the State owned JSC "Power Plants of North Macedonia" ("Elektrani na Severna Makedonija – ESM"), with the support from KfW Development Bank, has begun with the transformation of its power generation from mostly lignite and heavy oil based (72%) to renewable sources. This process is supported by the Government of North Macedonia, recognized in the new Law on Energy, compliant with the European regulation and in the Country's strategic documents.

In cooperation with KfW, ESM is implementing and preparing for implementation of the following renewable projects

<b>Component</b>	<b>Project</b>	<b>Capacity</b>
<b>Under implementation</b>		
Wind	Bogdanci Windpark Phase 2	15MW
Hydro	Rehabilitation of the 6 large HPP's	Efficiency improvement
<b>Under preparation</b>		
PV Solar	-PV Plants at TPP “REK Bitola”	100-160MW
Solar Thermal	-Solar District Heating in Bitola	TBD

**1. Specific information/background regarding the assignment**

AD ESM is responsible for the implementation of the Programme and for that purpose has established Project Implementation Units (PIU) for each of the ongoing projects.

The PIUs are responsible for

- the overall management and implementation of the projects;
- preparing tenders and selecting contractors for the implementation of project measures with support of the Implementation Consultant (the tenders for goods, works and services are lot-based and are awarded through international competitive bidding using FIDIC Yellow or Pink Book);
- organizing, supervision, commissioning and approval of construction activities with support of the Implementation Consultant;
- reporting and monitoring impacts of the projects;

The PIUs are supported by Implementation Consultants for the respective projects in the fulfillment of their tasks. The Implementation Consultant (separate Implementation Consultant is contracted for each of the Projects) is responsible for providing the following services in his role as FIDIC Engineer:

- preliminary design and drafting the tender documents
- assistance during Tendering
- supervision of design works (applicable in certain FIDIC rules), construction works and supplies
- Services during Defect Notification Period and Project Closure
- ESHS related services related to the implementation of Environment and Social Commitment Plans (ESCP) for the Projects
- Overall Project Management Services
- Communication and Visibility in line with the EU requirements
- Report on the above

## 2. Objective of the assignment

The objective of this assignment is to appoint expert, which will support the PIU's and the Management of ESM in the implementation of the Renewable Energy Programme. The following position is required:

The role of these experts will be to support ESM Management and related PIU's in the following

- elaboration of various key processes in accordance with the procedures of KfW Development Bank
- elaboration of relevant Bank standards in accordance with the procedures of KfW Development Bank
- supporting and strengthening of the PIUs' capacities in relation to FIDIC contracts
- supporting and strengthening of the PIUs' capacities concerning climate change and climate policy
- Supporting the organisation of trainings and field trips for capacity building
- Revision of Tender documents prepared by the implementation consultant and participation in the evaluation committee for tenders
- Approval of invoices, variation orders, withdrawal applications and payment certificates
- Ensuring continuous exchange with the KfW project management team

## 3. Scope of work

### i. Position Description

Professional person with an educational background as engineer (electrical or mechanical engineering) and sufficient practical work experience in planning, implementing and operating of either or multiple of the following: solar PV power plants, wind power plants, rehabilitation of hydro power plants, other renewable energy technologies (e.g, solar thermal district heating), preferably in North Macedonia or the Western Balkans region. This expert shall preferably also have expertise in procurement, contract negotiation and good knowledge referring to FIDIC Yellow and Pink book contracts. Excellent command of English language is required.

### ii. Scope of work

- Participation in preparing detailed time, cost, and financing schedule for the proper technical and financial implementation of the referred Projects in cooperation with the PIU and the Implementation Consultant
- review/check of the technical design documents

- review/check of the tender documentation (in accordance with FIDIC books, pink, red and yellow) for works and supplies
- Participation in the monitoring the timely implementation of the works programme and quality of the works
- Participation in monthly progress and other meetings, including site visits;
- Participation in equipment delivery inspections
- Review/checking of progress reports, and other deliverables
- Review of as-built documents
- Provision of technical input in the preparation of project deliverables
- Inspection of on-site activities
- Preparing and submitting relevant reports upon request of ESM Management or the PIU Director
- Involving in the Project design and preparation of the new Projects on the level of
  - o Project preparation including review and check of the Tender documents for Implementation Consultant
  - o Appraisal mission
  - o Agreements negotiations (between AD ESM and KfW)
  - o Contract negotiations (between AD ESM and Consultants and AD ESM and Contractors)
- Revision and approval of invoices, payment certificates and withdrawal applications prepared by the implementation consultant
- Performing any other activities related to the successful implementation of the project

### iii. Qualifications

- University degree (min 240 ECTS or equivalent) in engineering – mechanical or electrical Engineer
- Minimum 8 (eight) years of professional experience
- Experience in implementation on similar projects in the same role will be considered as advantage
- Full computer literacy especially with MS Office
- Experience in working on international projects, will be considered as advantage
- Other additional trainings (with provided certificates) in renewable energy area will be considered as advantage
- Ability to work as part of a team
- Excellent interpersonal communication and time management skills
- Demonstrated ability to work effectively under pressure of multiple tasks and deadlines
- Strong analytical and problem solving skills in the sense of successful and timely project implementation
- Excellent language skills (writing and speaking) in Macedonian and English
- Driving license

The CV's shall be submitted at the following address until 27 November 2024: [zlatko.stankovski@elem.com.mk](mailto:zlatko.stankovski@elem.com.mk) and [Robert.Sarlamanov@kfw.de](mailto:Robert.Sarlamanov@kfw.de).