

Tender Notice

Consulting Services for Feasibility Studies for two Photovoltaic Power Plants (PVPP's) of 60 and 100 MW in the region of Bitola

International Public Bidding (with Pre-Qualification)

- Partner Country:** North Macedonia
- Reference-No.:** BMZ-No.: 2020 68 328
KfW Procurement No.: 507067
- Submission Deadline:** July 26th, 2021 (12:00 local time in Germany)
- Submission Language:** English
- Prequalification:** Invitation for Expression of Interest
- Reference:** Energy Transition - Renewable Energy Programme North Macedonia
- Employer:** AD Elektrani na Severna Makedonija (ESM)
- Financing:** The Project will be financed by KfW
- Project Background:** ESM plans to establish the two Photovoltaic Power Plants (PVPP's) in the region of Bitola with an installed capacity of 60 MW and 100 MW.
- Requested Consulting Services:** The purpose of this assignment is to implement feasibility studies up to the level of preliminary design documentation. The feasibility studies shall include the below listed assessments and studies in line with the applicable standards of the German Financial Cooperation:
- The purchase, installation, operation, and maintenance of solar measuring equipment,
 - Performance of solar measurement campaigns for a suitable period of time (at least 6 up to 12 months) to enable a verification of the assumed values of the already performed pre-feasibility study,
 - The measuring campaign shall be continued until the Feasibility Studies have been approved by KfW. After completion of the measuring campaign, the measuring equipment shall be handed over to ESM, who will continue with the solar monitoring campaign,
 - Performance of a full solar resource analysis and energy yield assessment, covering a period of at least 6 up to 12 months including a verification with the performed solar measurements on site which shall last an adequate period of time.
 - Performance of a technology review, which shall address the site suitability requirements for the photovoltaic power plants, propose a micro-siting, inner-park access roads, inner-park cabling, interface substation and support infrastructure arrangements.
 - Performance of an economic feasibility assessment including CAPEX and OPEX costs of the project.
 - Performance of a full Environmental and Social Impact Assessment (including but not limited to ESMF, ESMP, LAP, biodiversity study, etc.) for the Project in accordance with the World Bank Group's

General Environmental Health and Safety (EHS) Guidelines and North Macedonian legislation.

- Performance of Geophysical and Geotechnical Investigations.
- Performance of Grid Access and Transmission Route Analysis.
- Preparation of the preliminary photovoltaic power plant designs.
- Preparation and presentation of a bankable Project Feasibility Report.

The feasibility study shall form the basis for a subsequent investment decision and tender for the implementation consultant, as well.

The award of contract is planned for the end of the third quarter 2021. The overall period for the performance of the services until finalization of the feasibility study is estimated with 12 to 15 months depending on the required duration of the measurement campaign.

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 more than eight (8) years of experience in the sector and personnel with experience in providing the services as specified above.

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 1.0 million over the last three years. A consortium or joint venture needs to show a total average annual turnover of EUR 1.0 million over the last three years, whereas the lead partner shall show an average annual turnover of more than EUR 0.7 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.

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

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