

QUESTIONS AND RESPONSES

November 23, 2021

RFP – Central Asia Regional Power System Modeling and Stability Study – Regional Coordinating Dispatch Center Energia

QUESTION: Please clarify if dynamic and static models are available for Turkmenistan.

ANSWER: Turkmenistan is not included in this study.

QUESTION: Can you please confirm that the provided Standard Provisions for U.S. Nongovernmental Organizations as well as 2CFR200 and 2CFR700 along with the USAID Mandatory Standard Provisions (Annexure E) are the binding T&Cs, i.e. no special USEA T&C aspects will be of relevance?

ANSWER: These USAID provisions will be applicable to an agreement (as well as the Uniform Guidance provisions as they relate to non-profit entities) with USEA and the selected consultant **in addition** to the regular terms of the USEA Subcontract Agreement. The terms of the USEA Subcontract Agreement will be negotiated with the selected consultant.

QUESTION: We do not have the USEA's cooperative agreement available at this stage. Where can we find the USAID Mandatory Standard Provisions (Annexure E) so that we have the full picture of the relevant T&Cs ahead of submitting our bid?

ANSWER: Please find the USAID Mandatory Standard Provisions attached.

QUESTION: Can you indicate a budget limit for this project?

ANSWER: A budget limit has not been established for this project. Bidders should submit their best financial offers.

QUESTION: We intend to bid via our (European) entity. Are there any withholding taxes to be considered? Which VAT [%] need to be considered?

ANSWER: USEA will not withhold any taxes from payments to the consultant. It is the consultant's responsibility to determine their tax liability in their country of origin. All costs, included in the financial proposal, must be inclusive of taxes in the consultant's country of origin.

QUESTION: According to the Objectives, potential future network instability issues shall be determined, but acc. to the task the grid models to be developed shall reflect the existing network. Thus, for the future outlook qualitative implications are sufficient?

ANSWER: The study will determine potential network instability that might be caused by recently integrated renewable generation facilities as well as those facilities that are yet to be commissioned but have been included in recently developed national models.

QUESTION: For the stability analyses: For which of the 5 countries are already dynamic grid models available and can be provided as input to the Consultant?

ANSWER: The consultant will be provided with national dynamic models and planning models – static and dynamic – of Uzbekistan and Tajikistan’s networks, developed in 2021; with a dynamic model of the Kyrgyz Republic’s network, developed in 2020; and with a dynamic model of the national power grid of Kazakhstan.

QUESTION: For the reliability analyses: For which of the 5 countries are already steady-state grid models available and can be provided as input to the Consultant?

ANSWER: Please see our response above.

QUESTION: Does the NETC staff to be trained have sufficient number of own PowerFactory licenses available?

ANSWER: No, the consultant will need to provide training licenses. Bidders should ensure that costs of these training licenses are included in the financial proposal.

QUESTION: What is the level of PowerFactory application skills of the training participants?

ANSWER: Advanced. Several training sessions, including on advanced short-circuit calculations, relay protection simulation, advanced small signal stability and Python Scripting will have been provided to NETC within the framework of a previous project.

QUESTION: How many NETC engineers shall be trained?

ANSWER: The training group will consist of up to 10 participants.

QUESTION: Looking at the again increasing Covid cases, can all services also be provided remotely?

ANSWER: Tasks 1, 2 and 4 shall be provided remotely. We would strongly prefer the trainings (Tasks 3 and 5) to be conducted in-person. However, will follow the U.S. Department of State and the Centers for Disease Control and Prevention (CDC) guidelines regarding international travel and in-person activities and will be open to negotiating alternative arrangements if international travel remains unsafe.

QUESTION: Task 4 requires conducting a system study to determine potential network instability issues due to the integration of new renewable generation facilities. We understand that the new renewable generation facilities will be added to the regional system in the future. Therefore, the regional model for the existing network topology (developed in Task 2) should be updated. This update will be in inserting into the model new prospective renewable generation facilities. Does the consultant need to update this model with new prospective transmission facilities (planning transmission lines, substations) and to develop a prospective model (say 2025)? Or consultant has to use the model for the existing network topology (developed in Task 2) and just add new prospective renewable generation facilities?

ANSWER: Developing a prospective regional model is not intended to be part of this Scope. Network stability and reliability issues are meant to be conducted based on the available dynamic models for the existing networks topologies. By the “existing network topology” we mean

recently integrated renewable generation facilities as well as those facilities that are yet to be commissioned but have been included in recently developed national models.

QUESTION: In many ex' USSR power systems (including Uzbekistan) according to the stability practices (stability guidelines) used in these countries the transient stability simulation should be done for many different types of disturbances (symmetrical and un-symmetrical faults, the different residual voltage during the short circuit, "with" and "without" automatic recloser logics, "with" and "without" Circuit Breaker Failure Relay (Back-up Protection Relay) under different of initial conditions (network topologies). Should the transient stability simulation (to be done in this study) respect the abovementioned requirements for stability simulation?

ANSWER: Yes.

QUESTION: If we bid with a subcontractor included in our offer, do we need to provide any additional documentation?

ANSWER: Please provide a bio sketch, CV and USAID Contractor Employee Biographical Data Sheet for **each** employee proposed for this project, including subcontractors. Please **do not** include declarations of association, articles of incorporation or any other documents not specifically requested in the RFP.