

November 26, 2019.

Ref: EAEP-E/008/11/2019; B2

To all the participating bidders

RFP EAEP-E/007/11/2019: Ethiopia Electric Power’s (EEP) Power System Expansion Plan Assessment and Capacity building

**REF: CLARIFICATIONS TO BIDDERS’ QUESTIONS – BATCH 2**

As a follow-up to the previously released batch 1 of questions from bidders, we would like to let you know that RTI International received questions from participating bidders, whose clarifications is as listed below;

No.	Section in the RFP	Question	RTI’s response
1	<p>Product or Service Expectations: clauses 4 and 7,</p> <p>Use GRARE software for the reliability analysis</p>	<p>There are multiple mentions of a software package called “GERARE” which we are unfamiliar with and our search has not yielded any results. Can the Client advise us on what this program is? Also, is it possible to use other software packages such as DlgSILENT Power Factory for the purpose of reliability study?</p> <p>GRARE software is a proprietary tool of CESI. Is the consultant required to use and license specified GRARE software, or can an alternative model be used for the reliability analysis?</p> <p>Is it necessary to use GERARE? We would expect to be able to use PSSE for these studies.</p>	<p><a href="#">Grid Reliability and Adequacy Risk Evaluator (GRARE)</a> is a computer-based software that evaluates reliability and economic operational capability using probabilistic Monte Carlo analysis. EEP does not own DlgSILENT Power Factory software.</p> <p>It is recommended that the bidder use a software package that EEP has licensing and has some familiarity but does not discourage the use of other software packages so long as the software package is left for EEP and proper training/certification is provided to the planning and operations team</p>

		Do we need to use existing models that are currently in GERARE?	PSS/E is not probabilistic risk assessment software. Other similar calibre software can be utilized, and licences shall be transferred to EEP.
2	<p>Product or Service Expectations: clauses 3 and 7</p> <p>a generation expansion plan using OPTGEN and SDDP models</p>	<p>The development of generation planning has been mentioned to use OPTGEN and SDDP. These are modules in a software package developed by PSR company and we do not possess the necessary license for utilizing these programs. However, we are in possession of license for PLEXOS that has the ability to perform the required studies mentioned. Is it possible to use this package for the purpose of this project instead of the packages mentioned?</p> <p>Is it necessary to use OPTGEN/SDDP or could we use PLEXOS as an alternative?</p> <p>Do we need to use existing models that are currently in OPTGEN/ SDDP?</p> <p>If it is determined and be demonstrated that the OPTGEN and SDDP generation planning models are not sufficient to meet the criteria specified in the SIS (particularly with regard to sufficiently detailed hourly operational analysis for the integration of high levels of Variable Energy Resources or Exports), can the consultant use an alternative model for the analysis?</p>	<p>PLEXOS is acceptable so long as the qualified bidder provides the software and train EEP planning and operations personnel to be able to perform their planning and operational duties using the software</p> <p>See Above</p> <p>Not necessary. If new software is used, EEP shall own the licence at the end.</p> <p>Yes. EEP prefers the study to be conducted with existing models.</p>

3	Product or Service Expectations: clause 7, second paragraph	The RFP mentions that any license renewal required by EEP is considered as part of the project. Is it possible to alter the software packages to PLEXOS for generation planning and DlgSILENT Power Factory for reliability studies in order for license procurement?	Yes, it is possible to use PLEXOS for the generation planning and DigSILENT/ PSS/E for transmission planning studies.
4	Transmission Expansion Planning	How many future years (e.g. 5-year periods) are required for Transmission Expansion Planning?  Is the consultant required to conduct fault current and stability studies for all future years?	It is a 25 years Generation and Transmission Expansion Master Plan in 5 years increments.  Yes, fault current and stability studies are required for the planning years in discussion.  As specified in the RPF, the transmission expansion planning will be conducted for 25 years period with the bidder required to conduct studies on target years, every five years period i.e. 5, 10, 15, 20, 25.
5	Use Auto CAD program	Is the consultant required to use specific AutoCAD program to develop maps and single line diagrams?	ArcGIS/Q-GIS and Auto CAD will be used to produce Maps and single line diagrams respectively.
6	Constraints of a Fixed Price Contract	In the Statement of Work, Task I requires: “Review of existing data and studies and provide inception report containing detailed work plan and information gaps.” Based on the review of the seven listed studies and possibly others, the bidder is required to “propose a detailed work plan within the inception report, which will detail undertaking the remaining activities, including identifying information and data gaps and generating any additional insights required to finalize the study.” Given	As stated in the RFP a fixed cost should be proposed, the bidder should properly understand the RFP and thoroughly elaborate in its methodology and work plan how the work will be undertaken in line with the requirement detailed in the RFP. The bidder may also specify what will be in the scope and what is not together with detail budget breakdown. Furthermore, adjustment



		that review in Task I is necessary to determine the data gaps and remaining activities that must be undertaken to complete the work, it is not possible for the bidder to a priori determine the level of effort needed to complete work. Under these circumstances, it is also not possible for the bidder to propose a fixed price (FP) contract to undertake the full scope of work as it will not be fully defined before the completion of Task I. Therefore, will RTI, consider a Cost-Plus Fixed Fee (CPFF) contract rather than a fixed price contract? Alternately, will RTI consider a two-step process where a FP is proposed only for Task I and a subsequent FP is negotiated once the detailed work plan and inception report is finalized?	could be made during negotiation before signing the contact if the proposal is accepted.
7	Eligible Companies	Please could you confirm whether non-US companies are eligible to participate in the bidding process	Yes, non-US companies can participate, if they meet all the eligibility requirements stated in the RFP.
8	Contracting entity	Please could you let us know whether your contracting entity will be in the USA or Ethiopia?	RTI International is the contracting entity.

Bidders are reminded that all the terms and conditions as contained in the original RFP document, its links and attachments remain unchanged.