



KENYA ELECTRICITY GENERATING COMPANY PLC.

KGN-BDD-06-2021

**EXPRESSION OF INTEREST FOR CONSULTANCY SERVICES FOR THE FEASIBILITY STUDY OF OLKARIA VII-83MW GEOTHERMAL POWER PLANT IN OLKARIA FIELD.**

**(OPEN INTERNATIONAL)**

17<sup>th</sup> September 2021

**CLARIFICATION No.1**

In Accordance with the “**Expression of Interest for Consultancy Services for the Feasibility Study of Olkaria VII-83MW Geothermal Power Plant in Olkaria Field**” KenGen hereby issues **Clarification No.1.**

No	SECTION IN EOI	PAGE NUMBER	TOPIC/ISSUE	BIDDER'S QUESTION	KENGEN'S RESPONSE
1	Section 2.0. Analysis of the well flow data for the wells assigned to Olkaria VII project development...	1	Scope of services	Please clarify, how many wells will be dedicated to Olkaria VII?	This information will be provided at the Request for Proposal (RFP) stage.
2	Section 2.0. Undertake a power evacuation study that will involve power systems simulations for load	1	Scope of services	Please clarify, what is the area in Kenya that should be included in the analysis of load flow and system stability	The Power Grid in Kenya is one interconnected system and is not in parts. The consultant shall model the load flows for the proposed project using the PSSE model for the Kenya grid network. This model will be

					provided to the consultant for grid studies.
	flow, fault analysis and system stability;				
3	Section 2.0. Undertake a power evacuation study that will involve power systems simulations for load flow, fault analysis and system stability	1	Scope of services	For system analysis, can we assume that KenGen will provide the awarded consultants with all data of current and planned grid system (transmission lines, substations, transformers (impedance), power plants, generator inertia constants, etc.) free of charge?	KenGen will provide power system data that is available as well the PSSE model for the Kenyan grid network
4	Section 2.0. Develop a conceptual design for the proposed power plant and associated infrastructure including the steam delivery, brine system and power evacuation system	1	Scope of services	Does the power evacuation system mean the transmission line up to the gantry of the existing substation, or the expansion work of the existing substation is included?	Power evacuation system means all the equipment, components and transmission lines required to evacuate power from the proposed plant to the national grid.
5	Section 2.0. Carry out site investigations that will include topographical survey and preliminary geotechnical investigations	1	Scope of services	Will a topographical survey be conducted during the basic design stage before preparation of Bid Documents? If yes, is it possible to substitute the topographic survey in the feasibility study with a digital topographic map by LIDAR?	The Topographic survey will be done to select and justify the best site for the Olkaria VII-83MW Power Plant and for the optimum design of the steam gathering systems, separation and the reinjection system. A preliminary transmission route survey will also be carried out by the consultant. Additional details will be provided at the RFP stage.
6	Section 2.0. Analysis of the well flow data for the wells assigned to Olkaria VII project development, determination of the optimal capacity for the proposed plant.....	1	Scope of services	Please clarify that carrying out the numerical reservoir simulation is not included in the scope of work.	Analysis of well flow data is to justify the 83MW capacity of the Power Plant. Carrying out numerical simulation is not included but the consultant will be provided with the numerical simulation reports available.

7	Section 3.0. Information regarding any current litigation involving the consulting firm	2	Documentation requirements	Please confirm that it refers to the applicable litigation in the Bidder's Country of origin.	Same as No. 11 below.  <b>Refer to the response on No. 11</b>
8	Section 4.0. Provide a list of at least 8 proposed Professional staff and disciplines expected to take part in the feasibility study.	2	Documentation requirements	Please confirm whether the personnel must be presently registered at the Engineers Board of Kenya or could be registered once the project is successfully awarded to the firm?	The Engineers must have <b>ten years</b> of relevant experience in relation to their expertise and must be registered by their respective registration body at the time Submission of the EOI and the body should be recognized by Engineers Board of Kenya.
9	Section 4.0: Mechanical Engineer, Power systems Engineer, Geothermal Reservoir Expert, Civil & structural Engineer, Environmental and Social Scientist, Geo-chemist, Financial analyst, Geotechnical surveyor, Topographical surveyor	3	Eligibility requirements. List of proposed Professional Staff	Is it possible to change or add the specialists/engineers nominated in the EOI document later in the proposal document?	Change of Professional Staff after prequalification will not be allowed. However, efforts for exceeding the set requirements are allowed.
10	Section 6. The EOI (1 Original and 3 copies) should be submitted in a sealed envelope by 1400 hours (East African Time) on 29th September, 2021	3	EOI Submission	Could you consider extending the submission deadline by two weeks?	The Submission date has been extended by 2 weeks from 29 <sup>th</sup> September 2021 to <b><u>13<sup>th</sup> October 2021 same time of 1400 Hours East African Time.</u></b>  <b><u>Refer to addendum No. 1 uploaded on our website</u></b>
11	Section 3.0. Information regarding any current litigation involving the consulting firm	3	Section 3.0. Information regarding any current litigation involving the consulting firm	Please confirm if this refers to litigation in Kenya or in the home country of the bidder. Please confirm if this document is still needed if there are no current litigation.	Litigation involving the Consulting firm in all forms if any both in Kenya or home country/country of origin.  If no current litigation, bidder to indicate not applicable or no current litigation
12	Section 5. The interested parties may request for	3	Clarifications	If the submission deadline is extended, will the date for the	Clarifications request window closes ten (10) calendar days which is on

clarifications on this Pre-Qualification up to Ten (10) calendar days before the Pre-Qualification submission deadline			submission of clarifications also be extended	3 <sup>rd</sup> October 2021 after a revised EOI submission date of 13 <sup>th</sup> October 2021.  <b>Refer to addendum No.1</b> for extension of time.
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**ACKNOWLEDGEMENT OF CLARIFICATION No. 1**

We, the undersigned hereby certify that Clarification is an integral part of the document and has been incorporated in the Expression of Interest (EOI).

Signed.....

Tenderer.....

Date.....