

18th May 2017



KENYA ELECTRICITY GENERATING COMPANY LIMITED

**EXPRESSION OF INTEREST CONSULTANCY SERVICES AND IMPLEMENTATION OF
MINERAL EXTRACTION TECHNOLOGY FROM GEOTHERMAL BRINE.KGN-SBP-09-2017**

KenGen wishes to issue the following clarifications as sought by potential bidders for the above tender through clarification

No	Issue of Clarification	KenGen Response
1	The average Silica concentration in the brine ranges from 600-800 mg/kg with Lithium content averaging at 1.5 - 2 mg/kg. The total brine is estimated at 2700 tonnes/hr occurring in several streams that are transversed in the Olkaria geothermal field. At a brine flow of 2700 tonnes/hr, the average Total Dissolved Solids (TDS) of the brine is about 2000 Parts Per Million (ppm) with an average potential of Hydrogen (pH) of 8-9. "	
a	How many samples have been taken from the Olkaria Geothermal field to produce the numbers?	
b	The Lithium content numbers seem low especially to have good Lithium extraction capabilities. Are they higher? Some TDS brines range from 50,000 to 200,000 ppm	
c	Is there a complete data analysis from the different samples taken from different locations? For example a FT-ICR mass spectra or the raw Mass Spectrometry data of the Brine samples. If so could we see the data or have access to it?	
d	What was the temperature of the brine at extraction?	

	<p>I'm only interested for parts 1 and 2 of the scope but not 3 and 4. This is because we are a pure consultancy firm and would not be in a position to build out a process plant, although we would of course be able to offer advice and technical expertise. Would this approach be acceptable or would the winning bidder need to be able to fulfil all 4 parts of the scope of works</p>	<p>The scope as given is for the entire project and no partial obligation will be acceptable. The EOI has given a potential bidders an opportunity to form a consortium agreement with other consultants as partners should they feel to have insufficient capacity for the project to meet the EOI requirements</p>
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2. All other terms and conditions remain as per the EOI document

ACKNOWLEDGEMENT OF CLARIFICATION NO.1

We/I, the undersigned hereby certify that the addendum is an integral part of the document and the alterations set out in the Addendum have been incorporated in the tender proposal.

Signed.....

Tenderer.....