



**KENYA ELECTRICITY GENERATING COMPANY PLC**

**RFx: 5000011871**

**KGN-GDD-016-2023**

**TENDER FOR DESIGN, MANUFACTURE, DELIVERY, SUPERVISION OF ASSEMBLY, TESTING AND COMMISSIONING OF 70MVA,11/220kv, ONAN/ONAF STEP UP TRANSFORMER FOR OLKARIA, WELLHEAD 914 SUBSTATION**

*(Open International)*

Dated: 23<sup>rd</sup> February, 2023

**Clarification No.2.**

In accordance with the Tender for Design, Manufacture, Delivery, Supervision of Assembly, Testing and Commissioning of 70mva,11/220kv, Onan/Onaf Step Up Transformer for Olkaria, Wellhead 914 Substation, KenGen issues Clarification No.2 as follows:

No.	BIDDERS CLARIFICATION	KenGen's RESPONSE
1	Based on max ambient stated = 40 C so the top oil, average winding and hot spot rise shall be 60C, 65C and 78C respectively while it is stated in specs 50C, 55C, and 68C ?	Kindly refer to the specifications provided in the tender document.
2	It is mentioned "capitalization losses" but it is not stated?  Kindly Advise	The bidder is expected to calculate the amortized cost of the transformer losses (both No-load and Full-load losses), taking into account the life span of the transformer. This will give the Total Ownership Cost / Capitalization loss. The bidder should consult the transformer manufacturer for the figures.
3	It is required to follow single layer helical type for LV, partial interleaved discs, and discs for tap winding so can we change the winding type based on appreciated design condition?	Helical type of LV winding should be maintained as per the specifications. However, the bidder can change to multi-layer helical to reduce losses.
4	It is required 10,000 A for LV bushing while the current for LV side is 3674 A so please check and feedback to use 4500 A	Kindly refer to the specifications provided in the tender document.

**ACKNOWLEDGEMENT OF CLARIFICATION No.2**

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

Signed.....

Tenderer.....

Date.....