

ZIMBABWE ELECTRICITY TRANSMISSION & DISTRIBUTION COMPANY



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OUR REF:..... FN/ec

YOUR REF

WHEN CALLING WITH REFERENCE
TO THIS LETTER PLEASE ASK FOR

..... F. Nyamakambo.....

22 November 2022

To All Bidders

Dear Sir/Madam

CLARIFICATION NO. 2 TO TENDER NO. ZETDC/INTER/15/2022 FOR THE SUPPLY, DELIVERY AND INSTALLATION OF PRINCE EDWARD DAM 20MVA, 33/11KV TRANSFORMER AND ACCESSORIES

The above subject matter refers.

Kindly find attached **Clarification No. 2** in response to queries raised by participating bidders for Tender No. ZETDC/INTER/15/2022 for the Supply, Delivery and Installation of Prince Edward Dam 20MVA, 33/11kV Transformer and Accessories.

N.B. Following mandatory site visit on 02 November 2022, site visit minutes are ready for collection from ZETDC Head Office, Procurement Management Unit, 2nd Floor, 25 Samora Machel Avenue, Harare, Zimbabwe.

Yours faithfully

F. NYAMAKAMBO
SUPPLY CHAIN MANAGER

TENDER NO. ZETDC/INTER/15/2022 FOR THE SUPPLY, DELIVERY AND INSTALLATION OF PRINCE EDWARD DAM 20MVA, 33/11KV TRANSFORMER AND ACCESSORIES

CLARIFICATION NO. 2

Item	Description/Query from Bidder	ZETDC Response
1.	<p>During the site visit ZETDC mentioned the issue of standardization of the substation in terms of Protection and Control Panels. We are kindly requesting for the Relay Order Code/Part Number for the following relays in order to match the existing ABB relays on the substation Protection Panels:</p> <p>(i) REF615 (ii) RET615 (iii) REG615</p>	<p>Issue of replacement relays, should existing ones fail, will be treated as a variation and should not be factored in the tender price.</p>
2.	<p>We would like to confirm the requirements of load loss and no-load loss (we can achieve no-load 15500W+15%, load 82700W+15%, impedance 8%).</p>	<p>No load Losses at 100% Un, at Rated Frequency, Base 20MVA (Maximum 12kW) Load Losses at 75 °C and at rated current, (Maximum 98kW)</p>
3.	<p>Please clarify the impedance value of the transformer.</p>	<p>Required % impedance is 10.173 at nominal tap</p>
4.	<p>The cooling mode is required to be ONAN in the data sheet, but the fan is mentioned elsewhere. It is asked whether the self-cooled product does not have fan and air-cooled control cabinet produce?</p>	<p>Cooling mode is ONAN, no cooling fans required</p>
5.	<p>Does this project need to provide 5% spare transformer oil?</p>	<p>No. The transformer should come with oil with quantity as per design. Conservator tank is required and shall have capacity of at least 10% of transformer oil (Refer to item 39 on Technical Guarantee Schedule)</p>
6.	<p>The bidding document requires the provision of 33kV transformer, transformer rubber pad, 33kV lightning arrester, 11kV transformer, transformer low-voltage cable box, control cable and accessories, wire and clip, low-voltage wire, and other accessories, etc., where</p>	<p>The new transformer shall be connected to the existing infrastructure hence the need for conductor and associated clamps on HV side and Cable box on LV side as shown and discussed with those who attended the mandatory site visit.</p>

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conductor and clamp refer to the bushings of the transformer? Please be clear.

Accessories required were outlined in bidding document and these includes rubber mat, 33kV lightning arrester, transformer low-voltage cable box, control cable and accessories.

It was further highlighted during the **site visit** that it is the responsibility of the bidder to cater for all accessories that enables full functionality of the transformer in accordance to ZETDC requirements.

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