



KENYA ELECTRICITY GENERATING COMPANY PLC

KGN-OLK-042-2024

RFx: 5000016057

TENDER FOR SUPPLY OF SEPARATE OR COMBINED BIOCIDES AND DISPERSANT CHEMICALS. (FRAMEWORK CONTRACT FOR TWO (2) YEARS - RETENDER)

(Open International)

Date: 17th December, 2024

Clarification No.1

In accordance with the “**Tender for Supply of Separate or Combined Biocides and Dispersant Chemical.**”, KenGen hereby issues **clarification No.1** as follows.

ITEM NO.	CLARIFICATION	KenGen response
1	Clarify on the annual estimated consumption of 300 IBC, is it for one product or the total of all the three i.e. 2 Biocides and 1 Dispersant.	Clarification on the annual estimated consumption of 300 IBC's. The final consumption per unit will be determined from the concentrations of the proposed chemical solutions and the individual unit's capacity and any other factors agreed on by the Plant Chemist and the supplier for optimal treatment efficacy. Thus, 300 is for the three. Vendor to give application rates (dosing regime/program since consumption to same) as requested in tender.

		<p>However, for purposes of the treatment solution proposals, the 300 IBC's are calculated as 2.5 IBC's per unit per month for all chemicals (biocides and dispersants) for a total of 10 units below. (NB: Units refer to generating machines)</p> <p>Thus:</p> <ol style="list-style-type: none"> 1. Olk I-AU x 3 units 2. Olk II x 3 units 3. Olk IV x 2 units 4. Olk V x 2 units 																												
2	<p>Provide information on the cooling tower water volume and the make-up flow rate.</p>	<p>Cooling Tower water volume and make up flow rate: Each cooling tower unit at the different plants have varying flow rates. A typical unit's data is given below for purposes of calculations.</p> <table border="1" data-bbox="800 618 1919 948"> <thead> <tr> <th>No.</th> <th>Parameters</th> <th>Values</th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Cooling tower Basin Total Volume (1.85 m Height)</td> <td>1,550</td> <td>m³</td> </tr> <tr> <td>2</td> <td>Cooling tower Basin Operating Volume (1.55 m Height)</td> <td>1,300</td> <td>m³</td> </tr> <tr> <td>3</td> <td>CT Basin water outlet temperature</td> <td>21</td> <td>°c</td> </tr> <tr> <td>4</td> <td>CT Basin water Inlet temperature</td> <td>37</td> <td>°c</td> </tr> <tr> <td>5</td> <td>Reinjection water flow rate</td> <td>59</td> <td>m³/h</td> </tr> <tr> <td>6</td> <td>Condenser Inlet flow rate</td> <td>8,389</td> <td>m³/h</td> </tr> </tbody> </table>	No.	Parameters	Values	Units	1	Cooling tower Basin Total Volume (1.85 m Height)	1,550	m ³	2	Cooling tower Basin Operating Volume (1.55 m Height)	1,300	m ³	3	CT Basin water outlet temperature	21	°c	4	CT Basin water Inlet temperature	37	°c	5	Reinjection water flow rate	59	m ³ /h	6	Condenser Inlet flow rate	8,389	m ³ /h
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BIDDER'S ACKNOWLEDGEMENT OF CLARIFICATION NO.1

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

Signed.....

Tenderer.....

Date.....