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Project Title: Replacement of Tutuka Power Station Hydrogen Generating Plant

Enquiry Number: MPTUT10438GX

Response date: 2022/12/06

Clarification no: 07

Clarification:

No.	Document	Section	Page	Requirement	Clarification Questions	Response / Comments
1.	2.1 Hydrogen Plant Upgrade NEC ECC (1).pdf	3. Time	7	Completion and Start date	<p>With the extension being provided, kindly provide updated draft <i>contract completion</i> and <i>starting dates</i> in an attempt to provide a more realistic and competitive proposal.</p> <p>Currently with:</p> <p>11.2(3) The <i>completion date</i> for the whole of the <i>works</i> is 2 years after contract award</p> <p>And</p> <p>31.2 The <i>starting date</i> is October 2022,</p> <p>The project runs over two festive seasons and the bidder would like to optimise the project programme if at all possible.</p>	<p>Please note the new estimated contract date is June 2023. Taking into consideration all evaluation that the business has to undertake, however, completion date still remains as 2 years after contract award.</p>
2.	15ENG GEN-2255 – Scope Of Work	1.0	4	Fit for service assessment	<p>Bullets 4 and 5 require as part of the scope of work that the four receivers and pipework to the units must be assessed by the Contractor as suitable for continued use. In order to do this, the following documents must be made available:</p> <ul style="list-style-type: none">• Process and instrumentation Diagram• Pipe class, material, design wall thickness and pressure rating• Piping as-built isometrics• All inspection records (NDE, hydrotest, visual)• Vessel as-built drawings• Vessel design calculations.	<p>The scope will not change. The Contractor shall assess and recommend.</p>

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					Are these documents available in the Eskom records? If not then Eskom should update the scope to replace these components if there is any doubt as to their integrity.										
3.	15ENG GEN-2255 – Scope Of Work	3.1	10	Fit for service assessment	Figure 1 indicates that the pipe line to the unit skids are double jacketed and underground. A fit for purpose assessment of this pipeline will require NDE and pressure testing. In order to do this the line will be required to be uncovered. Is this acceptable? The Eskom hydrogen spec. states that hydrogen piping should not be underground. If Eskom Tutuka is to meet this specification should the pipe not be replaced?	There is no figure 1 on page 10 or in section 3.1 of the Scope of work. The issue of the reticulation to the units was adequately addressed during the site visit.									
4.	General Question				Please can you provide the latest Denim water quality being used at Tutuka.	<div>Below are the Demin water results for the month of November.</div> <table><tr><td rowspan="4">Make-Up</td><td>K25</td><td>0,78</td></tr><tr><td>Na</td><td>0,67</td></tr><tr><td>TOC</td><td>0,56</td></tr><tr><td>SiO2</td><td>0,47</td></tr></table>	Make-Up	K25	0,78	Na	0,67	TOC	0,56	SiO2	0,47
Make-Up	K25	0,78													
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Regards

Requester's Name: Zanele Ramaselele