

CLARIFICATION QUESTION & ANSWER SHEET

Contact Person: Zanele Ramaselele

E-Mail Address: ramasezj@eskom.co.za

Project Title: Replacement of Tutuka Power Station Hydrogen Generating Plant

Enquiry Number: MPTUT10438GX

Response date: 2022/09/30

Clarification no: 02

Clarification:

N o.	Document	Section	Page	Requirement	Clarification Questions	Response / Comments
1.	2.2 Hydrogen Generating Plant Tech Spec (1).pdf	1.0 Introduction, 5 th bullet point, and 2.1 3 rd bullet point	4	Replacement or refurbish	<p>The works information suggests that the reticulation piping only needed to be inspected and tested, maybe refurbished. The response in the clarification meeting held on the 27th of September 2022 was that all the piping, valves and instrumentation is to be replaced, and only the receivers will remain.</p> <ul style="list-style-type: none">Kindly confirm that all piping and equipment (reticulation) needs to be replaced and that only the receivers will remain (continued use).	<p>All equipment and components from the new Electrolysis plant to the bulk H2 receivers needs to be replaced as required by the new design or to ensure compliance to standards. The reticulation noted in this point is outside of the boundaries explained above. This pipework needs to be assessed and the Contractor can provide a solution. Further clarification can be given during site visit.</p>

CLARIFICATION QUESTION & ANSWER SHEET

N o.	Document	Section	Page	Requirement	Clarification Questions	Response / Comments
					<ul style="list-style-type: none"> Please confirm that the main metering station including pressure reduction, mass flow measurement and dew point measurement must be replaced. 	Yes, it must be replaced
					<ul style="list-style-type: none"> Please confirm that the existing vessels inlet and outlet panels which included solenoid or actuated valve and pressure indication requires replacement. 	Plant can be assessed during site visit and Contractor can propose solution.
2.	2.2 Hydrogen Generating Plant Tech Spec (1).pdf	3.1 - Figure 1	10	Pipe	<p>The works information suggests that the main reticulation line to the six units is a double wall pipe.</p> <ul style="list-style-type: none"> Confirm if this pipe is trenched or buried and needs to be replaced; If it is to be replaced, must it be double walled? What is this size and length of this line? 	Plant can be assessed during site visit and Contractor can propose solution.
3.	1.1 Invitation to Tender - Request for Proposal (RFP) Hydrogen Plant (1).pdf	3.10	7	Mandatory tender returnables	<p><i>Please clarify the Commercial Mandatory Threshold regarding the CIDB Level of <u>7EB</u> for this tender:</i></p> <ul style="list-style-type: none"> <i>Mechanical piping design and tie in with the existing piping systems as required;</i> <i>Design for pipe supports as required (loading input from piping design);</i> <i>Civil design for earthworks, platforms, foundations/plinths as required;</i> 	<i>This has been amended to include 7ME therefore the CIDB requirement is Grade 7 EB/ME or higher</i>

CLARIFICATION QUESTION & ANSWER SHEET

N o.	Document	Section	Page	Requirement	Clarification Questions	Response / Comments
					<ul style="list-style-type: none"> • <i>Electrical and C&I to tie in with the existing systems;</i> • <i>Complete the construction based on the Mechanical, Civil, Electrical and C&I design;</i> • <i>Commissioning / handover of the complete integrated system; etc.</i> <p><i>There is a significant effort which requires design activities in the proposed scope which is related to mostly mechanical discipline.</i></p> <p><i>Hence, the tenderer request that a CIDB Level of 7ME / 7EP or higher may also be allowed to submit, in lieu of 7EB.</i></p>	
4.	2.3 Tender Technical Evaluation Strategy for Hydrogen plant final+RH 20220912 (1).pdf	3.3	7	MEIB	May the mandatory requirement (Letter of confirmation as MIE) be “subcontracted” to a sub-contractor / suitable specialist.	Yes.
5.	2.3 Tender Technical Evaluation Strategy for Hydrogen plant final+RH 20220912 (1).pdf	3.3	7	Compressed Gas Association	May the mandatory requirement (Letter of confirmation) be “subcontracted” to a sub-contractor / suitable specialist.	Yes.

CLARIFICATION QUESTION & ANSWER SHEET

Regards

Requester's Name: Zanele Ramaselele