



Tender Clarification Register – Thandokuhle Reservoir Upgrade: 5W-34122

This clarification register consolidates all questions received and responses issued to date. These responses are binding on all tenderers.

Tenderers are hereby advised that the Questions and Answers (Q&A) issued in writing, together with any formal Tender Addenda, constitute the official and binding clarification of the tender requirements.

Accordingly:

- The written Q&A responses and Addenda take precedence over any verbal clarifications provided during the compulsory briefing session or site clarification meeting.
- Where any discrepancies exist between the briefing meeting minutes, the original tender document, and the issued Q&A or Addenda, the Q&A and Addenda shall prevail.
- Certain queries raised by tenderers have resulted in material amendments to the tender, which are formally addressed by way of Tender Addenda. These amendments are binding on all tenderers and must be fully allowed for in tender submissions.

Tenderers are reminded that only written clarifications and Addenda issued by the Employer through official SCM channels shall be deemed valid and will be applied during tender evaluation.

Failure to take cognizance of the issued Q&A and Addenda may result in tender submissions being deemed non-responsive or incorrectly priced.

No.	Tenderer Query	Employer Response
1	Does the 'Site Engineer' refer to a Resident Engineer (full-time on site) or Contracts Engineer (not full-time).	Yes, Site Engineer refers to a Resident Site Engineer who is required to be full-time on site during the construction phase.
2	Can the same resource be used to fulfil the role of 'Structural Design Engineer' and 'Site Engineer'?	A: The same resource may not be used to fulfil both the role of Structural Design Engineer and Site Engineer. These are considered separate key personnel



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		positions with distinct responsibilities and evaluation criteria. Each role must be supported by an appropriately qualified and experienced dedicated resource for functionality scoring purposes.
3	Do you require Completion Certificates as supporting documents to score points for company experience?	A: Yes, Completion Certificates are required as supporting documents to substantiate claims for company experience and comparable projects under the functionality evaluation.
4	In Section T2.2.13 on Page 38, a requirement for Tenderers Experience is restricted to last 10 years only, which is very limiting considering that that there is generally a long project cycle from project inception to completion of 5-6 years in many cases. In this regard 15 years is considered to be more reasonable and would be beneficial for the project, and a request is made to extend the period of experience accordingly.	A: The Employer hereby amends the experience submission period from ten (10) years to fifteen (15) years. Accordingly, tenderers may submit comparable projects completed within the last fifteen (15) years from the tender closing date. All other functionality and scoring criteria remain unchanged. Note: This amendment will be formalized by way of a written Tender Addendum applicable to all tenderers.
5	In Table T1.2.3.5 on Page 12 and Section T2.2.16 on Page 42, experience for the key personnel appears to be limited to the last 10-year period, whereas no limit is mentioned in other parts of the tender document. We are of the view that this should not be limited to the past 10 years as the greater number of years of experience for key personnel will be an advantage for the efficient and successful design and implementation of the project.	A: The Employer hereby amends the key personnel experience period from ten (10) years to fifteen (15) years. Accordingly, key personnel may submit relevant experience gained within the last fifteen (15) years. Functionality points will be allocated based on experience falling within this revised period only. <i>This amendment will similarly be formalized by a written Addendum.</i>
6	With regard to the requirement for a Structural Design Engineer (Structural Steel Design) in Section T1.2.3.5, it is to be noted that for steel reservoirs, the steel tank structure and supporting steel stand	A: The requirement for a Structural Design Engineer remains mandatory. While it is acknowledged that steel tank suppliers typically design the steel tank structure, the Structural Design Engineer is required for the review and approval of supplier



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	(where applicable) is normally designed and supplied by the various steel tank suppliers. The Engineer designs the site layout, specifies the tank capacity/elevation/dimensional requirements, undertakes the design of the earthworks, supporting concrete foundations/slabs, inter-connecting pipework (inlet/outlet/overflow/scour) and other civil works. It is therefore considered that the requirement for a structural steel design engineer is not essential or relevant for steel tanks.	designs and verification of compliance with relevant SANS codes and statutory requirements. This requirement, therefore, remains unchanged.
7	Under Item 1.6 of the Pricing Schedule on Page 61, it was verbally clarified at the briefing meeting that the hydraulic modelling of the Botha's Hill to Thandokuhle system which is to be priced under this item is to cover the bulk water supply system only, and not the downstream reticulation network. Please can this be confirmed.	A: It is hereby confirmed that the hydraulic modelling to be priced under Item 1.6 shall include BOTH: <ul style="list-style-type: none">- The bulk water supply system from Botha's Hill to Thandokuhle, AND- The associated downstream reticulation network for both the high-level and low-level zones. Tenderers are therefore required to allow in their pricing for comprehensive system-wide hydraulic modelling, covering both bulk and reticulation components. This written clarification supersedes the verbal clarification issued at the compulsory briefing meeting.
8	With reference to the Scope of Work in Section C3.7.4.2 for the Design of New Telemetry Systems and the associated Item 1.7.2 of the Pricing Schedule, we are of the view that this item should only include the design of the telemetry system and not construction monitoring which should be covered under Part 4 of the Pricing Schedule. Similarly the requirement for O&M manuals should be covered under Item 1.8 of the Pricing Schedule and not included as part of the design line item.	A: The scope interpretation is clarified as follows: <ol style="list-style-type: none">a. Item 1.7.2 – Telemetry Systems: This item shall include the assessment and the design of the telemetry system. An official addendum will be issued to all tenderers.b. Construction Monitoring: Construction monitoring of telemetry installation shall be priced under the relevant Part 4 (Construction Stage Services) items.



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		<p>c. Operation & Maintenance Manuals: Preparation of O&M manuals shall be priced under Item 1.8, and not under the design items.</p>
9	In Section T2.2.16 on Page 42 (4th paragraph), reference is made to "only experience related to the water sector" for the key personnel. We are of the view that for the relevant key personnel CV's, comparable experience in the 'water sector' should include water and wastewater project experience as both are relevant for this type of project.	<p>A: It is hereby confirmed that for purposes of functionality scoring, "water sector experience" shall be limited strictly to potable water supply infrastructure projects only. Accordingly, only experience related to bulk and reticulation water supply infrastructure, including reservoirs, pump stations, rising mains and water pipelines, will be considered for functionality scoring. Wastewater, sanitation, and sewer infrastructure experience shall NOT be considered as relevant experience for this tender. This requirement remains unchanged and will be applied consistently during evaluation.</p>
9.1	Follow up to 9: we note your response. This may be appropriate for the project manager/lead civil water engineer/hydraulic engineer roles, however for the mechanical, electrical and instrumentation engineer positions, both water and wastewater experience would be relevant. Can consideration be given to allowing both water and wastewater experience for the latter disciplines.	<p>I can confirm that for the latter discipline, mechanical, electrical and instrumentation engineer positions, both water and wastewater experience will be considered.</p>
10	With regards to the "Experience of Tenderers" section, there is a contradiction on page 16. The first paragraph states experience within	<p>A: The Employer acknowledges the inconsistency noted in the tender document regarding the experience period. It is hereby formally confirmed that the applicable</p>



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	<p>the last 10 years is required, whereas the third paragraph states the last 15 years. Furthermore, the third paragraph also states projects January 2007 to present, which implies 19 years. Please confirm which is correct?</p>	<p>experience period for both company experience and key personnel experience is FIFTEEN (15) YEARS from the tender closing date. Accordingly:</p> <ul style="list-style-type: none">a. Any reference to 10 years is amended to 15 years, andb. Any reference to "January 2007 to present" is hereby replaced by "the last fifteen (15) years from the tender closing date." <p>This clarification will be formally issued by way of a written Tender Addendum applicable to all tenderers.</p>
11	<p>During the briefing, it was discussed that consultants will not normally have experience in the design and construction supervision of steel tanks as this is typically a supplier design. Can this be formally removed from the functionality assessment?</p>	<p>A: The requirement for experience relating to the design and construction supervision of steel tanks shall remain as part of the functionality assessment. While it is acknowledged that steel tank suppliers typically undertake the detailed design of the tank structure, consultants are still required to demonstrate experience in:</p> <ul style="list-style-type: none">a. Overall engineering coordination and integration of steel tanks into bulk water infrastructure systems,b. Review and approval of supplier designs.
12	<p>Similar to point 2) above, will the key staff role allocated to the structural design engineer (structural steel design) be removed and replaced with a Civil Engineer as discussed during the briefing?</p>	<p>A: It is hereby confirmed that the key personnel position of Structural Design Engineer (Structural Steel Design) SHALL REMAIN as a mandatory key staff requirement.</p> <p>This position will not be removed or replaced with a Civil Engineer, as the project includes:</p>



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		<ul style="list-style-type: none">a. Steel reservoir structures,b. Structural interfaces between steel and reinforced concrete works, andc. Supplier design verification requires specialist structural competency. <p>No amendment is made to this requirement.</p>
13	Will there be an extension granted since queries and answers will only be posted on 23 January and some of the potential changes will be significant?	<p>A: The request for an extension of the tender closing date has been noted.</p> <p>Please be advised that:</p> <ul style="list-style-type: none">a. Any extension to the closing date, if approved, will be communicated formally by way of a Tender Addendum, andb. No extension is confirmed unless officially issued in writing by the Employer via SCM. <p>Tenderers are therefore advised to continue preparing tenders based on the current advertised closing date until formally notified otherwise.</p>
14	If two companies were to form a JV, is it a requirement for both companies to have attended the briefing?	Nope, it is not required for both entities to attend. As long as the lead partner is attended, it's fine. if a new JV is to be put in place, please ensure that the lead partner is the one who attended and signed the register.



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15	<p>Please could you also confirm if signed reference letters / completion certificates for comparative tenderer's experience would be acceptable?</p> <p>We've had many cases where project managers and references change jobs, and we cannot reach them after they've moved for a reference.</p>	<p>Please note that both a completion certificate and a reference letter are required. Tenderers are, however, advised that failure to submit adequate supporting documentation may result in zero points being allocated for the relevant functionality criteria.</p> <p>This clarification will be formalized by way of a Tender Addendum applicable to all tenderers.</p>
16	<p>Please could you also send us all the information relating to the Botha's Hill system, as per the screenshot below (page 67) , we need to understand the extent and scale of the existing pipeline, system hydraulics</p>	<p>Please note that this will be provided to the appointed tenderer.</p>
17	<p>Steel Tank design generally designed by a supplier with structural supporting frame and foundation designed by structural engineering consultants. My history with these types of projects are they are commercially designed and supplied by a supplier who often appoints their own structural engineer for the design of the supporting frame, foundation, and approach slaps. A query was raised at the clarification meeting regarding this with EWS potentially re-looking at the Tenderer's Experience for structural steel design . Has there been any further correspondence in this regard?</p>	<p>I confirm that no amendment has been made to the functionality requirements relating to structural steel tank experience or the requirement for a Structural Design Engineer (Structural Steel Design).</p> <p>While it is acknowledged that steel tanks are often commercially designed and supplied by specialist suppliers, consultants are still required to demonstrate experience in this.</p>



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18	EWS is also undertaking the management of Survey & Geotech consultants, could you provide us with some information about what their services entail? We are concerned with the level of detail, with special emphasis on the Geotech report's level of detail necessary for a reservoir design.	<p>The Employer has appointed and manage the Survey and Geotechnical consultants directly.</p> <p>Tenderers are advised that:</p> <p>The geotechnical investigations will be undertaken to a level appropriate for reservoir and associated infrastructure design, and</p> <p>The resulting geotechnical information will be made available to the appointed consultant during the execution of the contract.</p>
19	<p>There was a comment at the site clarification regarding the requirement for a hydraulic investigation and pipeline reconfiguration for a DN300 Bulk Steel pipeline from the Botha's hill reservoir to existing 3ML Thandokuhle reservoir, where location has now moved to the Kwanyusa Sportsfields. Regarding this pipeline & system :</p> <ol style="list-style-type: none">1. Do you have any as-builts of these pipelines?2. Has it been tested?3. Could you provide us with any design information/reports / details that have been previously completed	All the above required information will be provided to the appointed tenderer.
20	<p>There is an element of risk with pricing item 4 , and we do request further information of the scale of the engineering services required to tie this into the new system. Given that we do not know the condition of this pipeline, its joints and extent of the reconfiguration, we recommend</p>	<p>The request to introduce a separate BoQ item for conditional assessment or CCTV survey of the existing pipeline is noted.</p> <p>However, no amendment is made to the Pricing Schedule in this regard. The scope and pricing structure remain as issued.</p>



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	adding a BoQ item for the conditional assessment / CCTV survey of existing pipeline from Bothas Hill Reservoir to Thandokuhle reservoir to accurately price the hydraulic design.	
21	Confirm if the electromechanical design requirement is for just for the 300KL steel tank to supply high lying areas?	The electromechanical design requirement relates to the 300 kL elevated steel tank intended to supply high-lying areas, including all associated pumping and control elements required for its operation.
22	The document also states the ultimate reservoir capacity of the system = 10ML. Would this mean that the system would likely function with the two reservoirs next to each other, founded independently, or is the intention to have a single structure with two compartments, where Phase 1 design consideration must be made for Phase 2 to tie in?	5 ML reservoir tank implemented in phases. The appointed PSP will advise on the design, whether it is two separate tanks, or a single structure with two compartments, where Phase 1 design consideration must be made for Phase 2 to tie in.
23	I have not yet received the minutes of the site clarification meeting, and it hasn't been uploaded to the portal. Could you please send these to me if available ?	The minute will be uploaded with all the documents, i.e., addendum, minutes, Q&A received etc

Name: Lungelo Khomo Pr. Eng

Date: 23rd January 2026

Sign: L Khomo