

**APPOINTMENT OF A CONSTRUCTION HEALTH  
AND SAFETY AGENT FOR UMKHOMAZI  
WATER PROJECT PHASE 1- DAM & TUNNEL  
(054/2025/PMID/AGENTTUNNEL/RFB &  
055/2025/PMID/AGENTDAM/RFB)**

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Compulsory Briefing Session  
16 January 2026

10:00



# Agenda

<b>Welcome, Introduction and Purpose</b>	<b>Godfrey</b>
<b>Attendance Register</b>	<b>Godfrey assisted by Bridgett</b>
<b>Project History and Background</b>	<b>Mmoloki and/or James</b>
<b>Scope of work</b>	<b>Mmoloki</b>
<b>Bid Requirements: Procurement Process, General, Functionality</b>	<b>Godfrey</b>
<b>Discussion, Questions and Answers</b>	<b>All</b>
<b>Closing Remarks</b>	<b>Godfrey</b>



# Attendance Register

Please provide the following in the chat box:

- Name & Surname
- Company Name
- Email address
- Contact number



# BACKGROUND AND HISTORY



# Project History and Background

The uMngeni Water Supply System (MWSS) serves the municipalities of eThekweni, uMgungundlovu, Msunduzi Harry Gwal, Ugu, Ilembe and the surrounding areas in KwaZulu-Natal (KZN). It consists of four major dams (Nagle, Midmar, Albert Falls and Inanda) and phases 1 and 2 of the Mooi Mgeni Transfer Scheme.



# Project History and Background

**In 2015**, the Department of Water and Sanitation (DWS) completed a technical feasibility study to determine long-term future water requirements in KZN. The study investigated the uMkhomazi Water Project – Phase One (uMWP-1), to augment the MWSS with water from the uMkhomazi River – the river with the third-largest mean annual runoff in KZN. The system's yield is 398 million m<sup>3</sup>/a (2013), while the estimated water requirements are 480 million m<sup>3</sup>/annum and 612 million m<sup>3</sup>/a in 2023 and 2040, respectively. The water requirements projection indicates that MWSS has been in deficit since 2016. Therefore, the **system is under stress** and will be **augmented by uMWP-1**, which is currently being implemented **by TCTA**.



# Project History and Background

The implementation of uMWP-1 involves the storage and transfer of about 220 million m<sup>3</sup>/a of raw water. The storage is as follows:-

- **Smithfield Dam and Associated Infrastructure (the Dam):**
  - **81 m high Smithfield Dam with 26 m high saddle dam.**
  - Three flow gauging weirs in the uMkhomazi River.
  - Temporary and permanent access roads and security fences.
  - Borrow pits, quarries and waste disposal sites.
  - Operator facilities – permanent houses, offices/control room, guard house; storage and workshop.
  - Realignment or diversion of major and minor roads.
  - Resettlement houses for the affected families/households.

Please note that the Consultant (designer) has been appointed to commence with the design activities



# Project History and Background

- **Water Conveyance Infrastructure (the Tunnel and pipeline):**
  - **32km long at 3.5m** diameter transfer tunnel from Smithfield Dam reservoir to the uMlaza River valley.
  - 5km long at 2.6m diameter raw water pipeline from the outlet portal of the transfer tunnel above to the proposed Umgeni Water's Water Treatment Works in the uMlaza River valley.
  - Access roads, maintenance/service roads and security fences – permanent and temporary.
  - Borrow pits, quarries and waste disposal sites.

Please note that the Consultant (designer) has been appointed to commence with the design activities



# Project History and Background

**Regulation 5 of the Construction Regulations (CR) of 2014** stipulate the Duties of the Client, amongst others, regulation 5 (5); application of a construction work permit and regulation 5 (6); notification of construction work must be done by a CSH Agent. The CSH Agent must, as per regulation **5 (7) (a)**, **manage the health and safety on a construction project** for the client and according to regulation 5 (7) (b), be registered with a statutory body approved by the Chief Inspector as qualified to perform the required functions. It is therefore critical that TCTA engages the services of professionally registered CHS Agents who, apart from having sound knowledge and understanding of the **OHS Act No. 85 of 1993 and Construction Regulations of 2014**, will have the demonstrable detailed knowledge of health and safety requirements at all levels.



# SCOPE OF WORK, EXPERIENCE AND DELIVERABLES



# Scope of Work for the Agent

- Prepare Project **Baseline Risk Assessments**.
- Prepare the **site-specific construction Health and Safety Specifications**.
- Assist with **design risk review and report hazards** associated with the designs.
- Review of Principal Contractors' competencies**, and resources.
- Review of Principal Contractors' **Health and Safety Management Plan**.
- Prepare and submit Construction **Work Permit Applications and all supporting documentation to the Department of Labour**.
- Attend design/technical meetings** with the consultants' designers.
- Review and approve health and safety** related documents.
- Render Ad hoc services as Assistance to TCTA as** and when required. A provisional sum item is provided for this.

The above must be undertaken for the Dam and Tunnel/Pipeline separately. CHSA will be required until the project close – out around March 2033 for both dam and tunnel.

# Scope of Work for the Agent continue...

- Key deliverables dates forecasted

NO.	ACTIVITIES	DATES	
		DAM	TUNNEL
1.	Start Construction	April 2028	October 2027
2.	Complete Construction	December 2031	March 2032
3.	Water Delivery Date	March 2032	March 2032
4.	Project Close-out	March 2033	March 2033



# Personnel Experience Required

- **Minimum of 3 years' occupational health and safety work experience in a construction environment, post CHS Agent registration.**
- **Experience as an appointed Health and Safety Agent for compliance with legislation performing tasks such as preparing, reviewing, assessing and auditing of health and safety specification in tunnel/similar structure projects.**
- Experience as an appointed Health and Safety Agent for compliance with legislation performing tasks such as preparing, reviewing, assessing and auditing of health and safety specification on a dam wall or weir wall or similar high structure project.



## Personnel Experience Required for dam

- **Minimum of 3 years' occupational health** and safety work experience in a construction environment, post CHS Agent registration.
- Experience as an appointed Health and Safety Agent for compliance with legislation performing tasks such as preparing, reviewing, assessing and auditing of health and safety specification in subsurface pipeline construction projects.
- **Experience as an appointed Health and Safety Agent** for compliance with legislation performing tasks such as preparing, reviewing, assessing and auditing of health and safety specification as well as application and obtaining approval of construction work permit on a dam wall or weir wall or similar high structure project.



## Personnel Experience Required for tunnel

- **Minimum of 3 years' occupational health and safety work** experience in a construction environment, post CHS Agent registration.
- **Experience as an appointed Health and Safety Agent** for compliance with legislation performing tasks such as preparing, reviewing, assessing and auditing of health and safety specification as well as application and obtaining approval of construction work permit in **tunnel/similar structure projects like Underpasses, Caves, Mines.**
- Experience as an appointed Health and Safety Agent for compliance with legislation performing tasks such as preparing, reviewing, assessing and auditing of health and safety specification in subsurface pipeline construction projects.



# Company Experience Required

- Company experience in rendering construction or mining health and safety services for compliance with legislation on civil engineering projects with a capital **cost from R220 million upward** (i.e. total construction cost excluding VAT).



# Deliverables

- Gap Analysis report of TCTA health and safety documents.
- Project Baseline Risk Assessments.
- Project Site specific construction Health and Safety Specifications.
- Reports on design risks and health and safety hazards.
- Submit and obtain approval for Construction Work Permit Applications to the Department of Labour.
- Approved Principal Contractors' submissions, competencies and resources.
- Approved Principal Contractor Health and Safety Management Plans.
- Attend design/technical project meetings with the designers arranged by TCTA.
- Review and approve other health and safety related documents.



# SUBMISSION REQUIREMENTS



# Bid Requirements: Procurement Process

## STAGES OF THE BID EVALUATION PROCESS

- ATTENDANCE OF COMPULSORY BRIEFING SESSION
- RETURNABLES – SUBMIT ALL DOCUMENTS REQUIRED AND COMPLY

**Mandatory – Disqualification, if not provided.**

Proof of Registration with National Treasury CSD: Requirement per s4.2 of National Treasury Instruction 4A of 2016/17.

- **FUNCTIONALITY- CRITERIA & THRESHOLD (67.5 out of 100)**
- SPECIFIC GOALS – BLACK PEOPLE OWNERSHIP & SKILL DEVELOPMENT & TRAINING LOCAL TO SITE
- PRICE-PPPFA FORMULAE
- SUPPLIER VETTING – CONDITIONS FOR POSSIBLE DISQUALIFICATION

**CONDITIONS OF BID – Zero tolerance for fronting, bribery, fraudulent and corrupt practices**



# Bid Requirements: General

**COMMUNICATION:** All clarifications must be sent to [tenders01@tcta.co.za](mailto:tenders01@tcta.co.za)

**CLARIFICATIONS DEADLINE: 6 February 2026 at 4:00 PM.**

**CLOSING DATE AND TIME: 12 February 2026 at 2:00 PM**

**BID VALIDITY PERIOD: 120** Calendar days from the closing date and time

**PREPARATION OF BID SUBMISSION:** Refer to RFB and follow the instructions.



# FUNCTIONAL EVALUATION CRITERIA

# Bid Requirements: Functionality -Key Criteria (DAM)



COMPANY EXPERIENCE		MAXIMUM SCORE	
7.1.1	Experience in rendering construction or mining health and safety services for compliance with legislation on civil engineering projects with a capital cost from R200 million upward (i.e., <b>total construction cost</b> ).	5 points will be allocated for each project with a value of more than R200 millions up to a maximum of 20 points.	20
<b>PERSONNEL EXPERIENCE</b>			
7.2.1	Minimum of 3 years' occupational health and safety work experience in a construction environment, post CHS Agent registration	5 points will be allocated for each year of experience exceeding the minimum 3 years up to a maximum of 30 points.	30
7.2.2	Experience as an appointed Health and Safety Agent for compliance with legislation performing tasks such as preparing, reviewing, assessing and auditing of health and safety specification in subsurface pipeline construction projects	Points will be allocated for each large diameter (ranging between 800 mm to 951mm and above diameter) subsurface pipeline construction project up to a maximum of 20 points as follows: •800mm - 950mm = 2,5 point •>951mm =5 points	20
7.2.3	Experience as an appointed Health and Safety for compliance with legislation performing tasks such as preparing, reviewing, assessing and auditing of health and safety specification as well as application and obtaining approval of construction work permit on a dam wall or weir wall or similar high structure project.	5 points will be allocated for approved construction work permit submitted for each project with a dam wall or weir wall or similar high structure of $\geq 10,0$ -meter height up to a maximum of 30 points. <b>(Submit approved Construction Work Permit of previous projects)</b>	30
Total			<b>100</b>

# Bid Requirements: Functionality -Key Criteria (Tunnel)



COMPANY EXPERIENCE		MAXIMUM SCORE	
7.1.1	Experience in rendering construction or mining health and safety services for compliance with legislation on civil engineering projects with a capital cost from R200 million upward (i.e., <b>total construction cost</b> ).	5 points will be allocated for each project with a value of more than R200 millions up to a maximum of 20 points.	20
<b>PERSONNEL EXPERIENCE</b>			
7.2.1	Minimum of 3 years' occupational health and safety work experience in a construction environment, post CHS Agent registration	5 points will be allocated for each year of experience exceeding the minimum 3 years up to a maximum of 30 points.	30
7.2.2	Experience as an appointed Health and Safety Agent for compliance with legislation performing tasks such as preparing, reviewing, assessing and auditing of health and safety specification as well as application and obtaining approval of construction work permit in tunnel/similar structure projects like Underpasses, Caves, Mines.	10 points will be allocated for each approved construction work permit submitted for a tunnel projects or similar structure projects up to a maximum of 20 points. <b>(Submit approved Construction work permit of previous projects)</b>	20
7.2.3	Experience as an appointed Health and Safety for compliance with legislation performing tasks such as preparing, reviewing, assessing and auditing of health and safety specification in subsurface pipeline construction projects.	Points will be allocated for each large diameter (ranging between 800 mm to 951 mm and above diameter) subsurface pipeline construction project up to a maximum of 30 points as follows: <ul style="list-style-type: none"> <li>• 800mm - 950mm = 2,5 point</li> <li>• &gt;951mm and above=5 points</li> </ul>	30
Total			<b>100</b>



**Thank you**

**TCTA**

*Discussion,  
Questions and  
Answers .....*

**Godfrey Mnisi**

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