



MCWAP-2ACONTRACT No TCTA 20-041

**RECORD OF MEETING/DISCUSSION/ACTION LIST**

Date: 19/09/2023 Location: Webmeeting File No: 01/02/04/  
 Time: 13:00 – 13:30pm

<b>Subject</b> :	<b>MOKOLO AND CROCODILE RIVER (WEST) WATER AUGMENTATION PROJECT (PHASE 2A) (MCWAP-2A): HLRM DEVIATIONS ESKOM MEETING</b>	
<b>Present</b> :	Lungile Motsisi (LM)	Eskom (Transmission)
	Mias van der Walt (MvdW)	GBN-JV
	Umeshree Naicker (UN)	GBN-JV
	Minenhle Luthuli (ML)	GBN-JV
<b>Distribution</b> :	All present	

Description:	By	Action
<b>1. WELCOME AND INTRODUCTION</b>		
UN welcomed and acknowledged all present and requested introductions around the virtual table.		
<b>2. HIGH LIFT RAISING MAIN DEVIATIONS</b>		
<p>UN advised that a meeting with the Eskom Land Portfolio team (Mr. Micheal Taffa and Alan Bosman) was held on the 30 August 2023.</p> <p>UN presented the project background and the alternative pipeline options for the project and explained that is due to the objections from Eskom, which would deviate from the authorized environmental authorization and Eskom's power lines (refer to Annexure A).</p> <p>UN indicated that there are three (3) proposed routes alternatives. There's a Western Alternative, which is shown in red in the map the Eastern Alternative, which is shown in green, and the GBN-JV has also considered a Sub Alternative to the Eastern Alternative, which is a blue box.</p> <p>MW additionally presented a google maps indicated the position of the farmhouse and transmission line position.</p>		
<b>3. ESKOM REQUIREMENT</b>		
LM advised that the preferred alternative is the Eastern Alternative, with the sub alternative. The Western Alternative is a no-go area for Eskom as there is a risk to transmission lines.		
<b>4. WAY FORWARD</b>		
<p>LM advised that for the wayleave application she requires the letter to include:</p> <ul style="list-style-type: none"> <li>all the infrastructure to be added to the application including roads, borrow pits e.c.t</li> </ul>		

<ul style="list-style-type: none"><li>the distances between the transmission line and proposed infrastructure to be measured and illustrated on the drawings.</li></ul> <p>LM advised that the application will take thirty (30) days.</p>		
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**ANNEXURE A**  
**MCWAP-2A HLRM PRESENTATION**

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# **MCWAP-2A – REROUTING OF THE HIGH LIFT RISING MAIN DEVIATION AT ESKOM POWERLINES**

## **MEETING WITH ESKOM (TRANSMISSION)**

Ms. Umeshree Naicker  
19 September 2023  
13:00 to 14:00



# (1) Purpose of the meeting

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- ❑ To present an overview of the Project to Eskom  
(Transmission)
- ❑ To determine Eskom's Transmission requirements.

# (2) Project Background

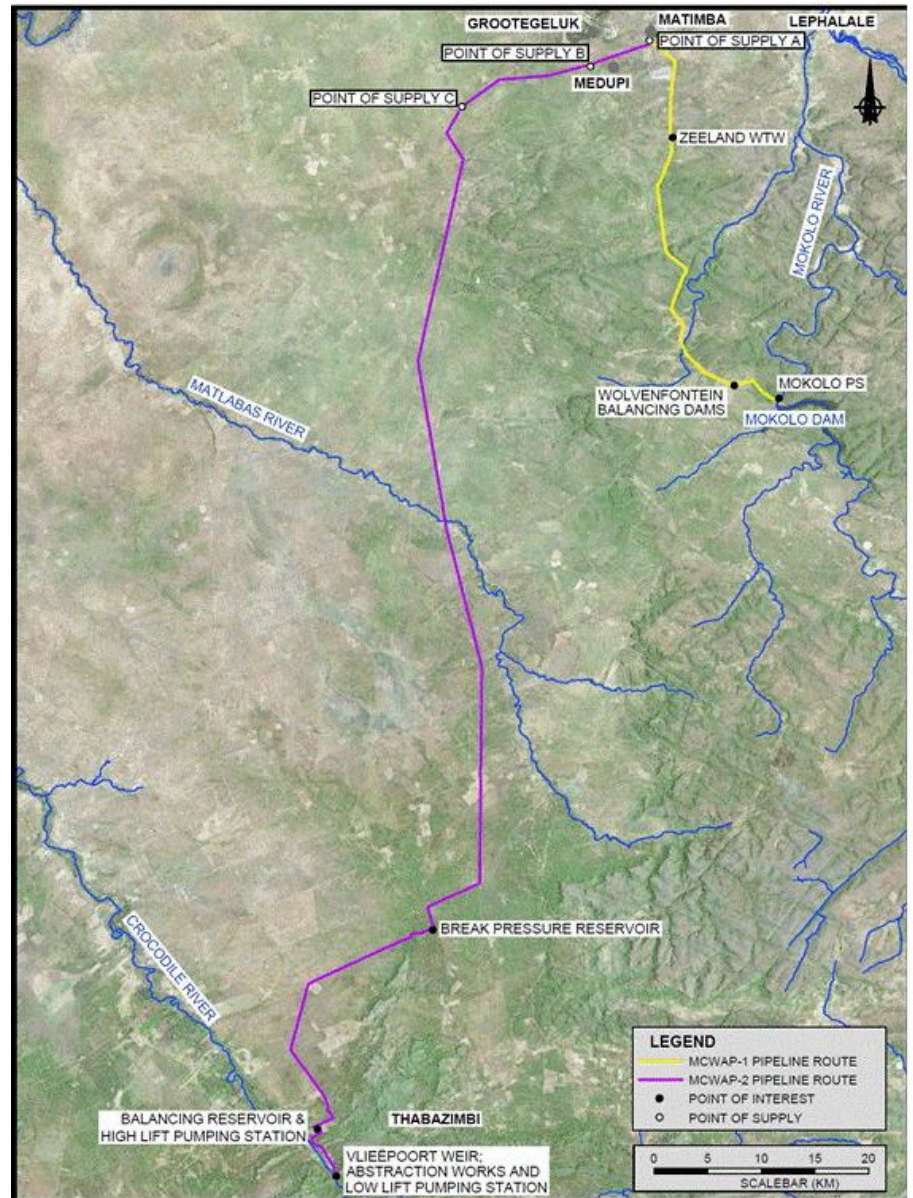
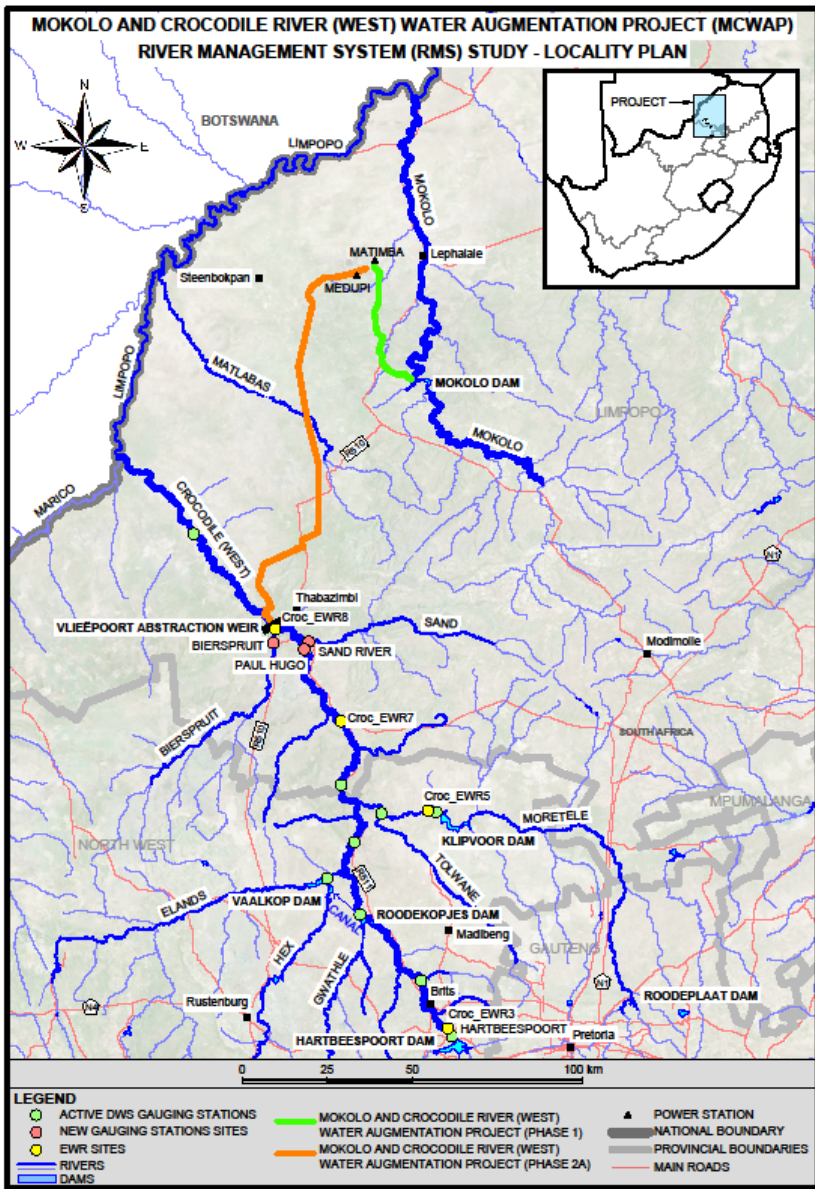
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A consolidated Environmental Authorisation 14/12/16/3/3/2/1100 to include deviations was issued on the 29 July 2022. As part of this environmental process, the following infrastructure was authorised:

- Water Transfer Infrastructure, which entail an Abstraction Weir at Vlieëpoort on the Crocodile River (West); Desilting Works, Raw Water Pipeline, Balancing Reservoirs and Pump Stations in order to abstract and transfer of water from Crocodile River (West) to Lephalale.
- A River Management System to manage abstractions from, and the river flow in, the Crocodile River (West) between Hartbeespoort Dam and Vlieëpoort Weir, the Moretele River from Klipvoor Dam up to the confluence with the Crocodile River (West), the reach of the Elands River from Vaalkop Dam up to the confluence with the Crocodile River (West), and also the required flow over (past) the Vlieëpoort Weir. Including the construction of three new weirs.

Thirty borrow pits and ten spoil sites approved by DMRE:

- Twenty-three (23) Borrow Pits for the supply of bedding material which have already been subjected to an environmental impact assessment (EIA) process by Nemaï and was approved by Department of Mineral Resources and Energy (DMRE).
- An additional seven (7) Borrow Pit applications were prepared by GBN-JV and were authorised by DMRE.



# (3) Comment from Eskom

The Land Acquisition Manager  
Andries Thebe  
Trans Caledon Tunnel Authority  
Bedfordview, 2107

By e-mail  
athebe@tcta.co.za

Date:  
20 December 2022

Enquiries:  
Junaid Nabbie  
Tel+27 11 800 2322

Dear Sir

## RESPONSE TO NOTICE TO EXPROPRIATE PORTION 7 OF THE FARM PAARL 124 BY TRANS CALEDON TUNNEL AUTHORITY (TCTA) - MOKOLO CROCODILE RIVER WEST WATER AUGMENTATION PROJECT

We refer to your letter dated 31 October 2022 and your subsequent email dated 23 November 2022. We appreciate the extension of time until 22 December 2022 afforded to Eskom to respond to your initial letter. We have had the opportunity to investigate this matter and we wish to advise as follows:

1. Eskom Holdings SOC Limited (Eskom) is a state-owned entity and is the national electricity utility in South Africa.
2. Eskom is the registered owner of Portion 7 of the Farm Paarl 124, Registration Division KQ, Province of Limpopo. (The Property)
3. TCTA wishes to expropriate 12, 5589 hectares of the Property to create a pipeline servitude beneath Eskom's power lines and related infrastructure.
4. The Property is used to host Eskom's power lines, buildings and related infrastructure and a portion of the Property is leased to Jurie Smit for farming operations.
5. This Property has been earmarked for further development of planned infrastructure. The infrastructure on this Property will serve Medupi and Matimba power stations going forward.
6. TCTA agreed, during discussions with Eskom, to deviate the route of the pipeline to accommodate Eskom infrastructure. Notwithstanding this agreement, TCTA has presented an unrelated route that was not agreed to by the parties.
7. When considering expropriation, it is incumbent on TCTA to consider the following: -
  - a. Eskom is established on the Property and the powerlines and related infrastructure serves the national imperative to provide electricity to the country.
  - b. The expropriation will compromise the planned development of the Property and will impede and set back national plans to provide more electricity to the grid.
  - c. Eskom is not in a position to deviate the power lines and related infrastructure.
  - d. The construction of the pipeline beneath the powerlines will encroach on Eskom rights and the implementation thereof will raise various technical problems inter alia:
    - i. TCTA must ensure that the digging and drilling will not undermine the stability of the power lines.
    - ii. The construction of the pipeline will potentially result in induction onto the pipeline This will expose the pipeline itself to corrosion as well as to other conductive infrastructure.
    - iii. The construction of the pipeline will heighten safety concerns for persons near the pipeline. Although the pipe is underground and earthed, it could induce stay currents onto other metallic infrastructure for example steel fences, which will pose a risk to persons who may touch the fences. There is a real risk of electrocution

- iv. The construction of the pipeline will realise further studies and costs to Eskom to mitigate potential losses for example if there is an absence of insulated earth wires on the power line structures. The earth wires of powerline structures in the vicinity are insulated so as to dissipate the fault in an area away from where the pipe would be placed.
- v. There is a risk that the copper rods used to earth the pipeline may be stolen. TCTA must ensure that there is continuous observation that the earthing is always in place. If the earthing is removed, this will cause fires and damage to infrastructure. This will compromise the stability of Eskom's grid.
- vi. Eskom requires access to its towers to effect necessary maintenance. The deviation of the pipeline by TCTA will still necessitate that Eskom is afforded access to maintain its infrastructure.
- vii. TCTA must provide detailed diagrams of the pipeline so that Eskom can assess the impact of the pipeline. It is important to determine how far the pipelines are from the foundations and whether it will disturb the foundations. The pipeline should be at least 3m away from the foundation of the tower, and for every 1.5m deep we need to add an extra distance of 2m.

Notwithstanding the above, Eskom cannot be divested of this Property. Eskom will suffer severe financial losses as a result of the expropriation. We are busy quantifying the losses that Eskom would suffer as a result of the expropriation and will revert in this regard. We urge TCTA to reconsider this application, alternatively we encourage TCTA to meet with Eskom to determine a route suitable to both parties.

We accept service via email to the primary email recipients below:

Junaid Nabbie - [Nabbiemj@eskom.co.za](mailto:Nabbiemj@eskom.co.za)  
Michael Taffa - [TaffaMM@Eskom.co.za](mailto:TaffaMM@Eskom.co.za)  
Bernadette Solomon - [SolomoB@eskom.co.za](mailto:SolomoB@eskom.co.za) and  
Lungile Motsise - [Motsisl@eskom.co.za](mailto:Motsisl@eskom.co.za)

We await your reply.

Yours Sincerely



Junaid Nabbie  
Senior Legal Advisor  
ESKOM LEGAL AND COMPLIANCE DEPARTMENT



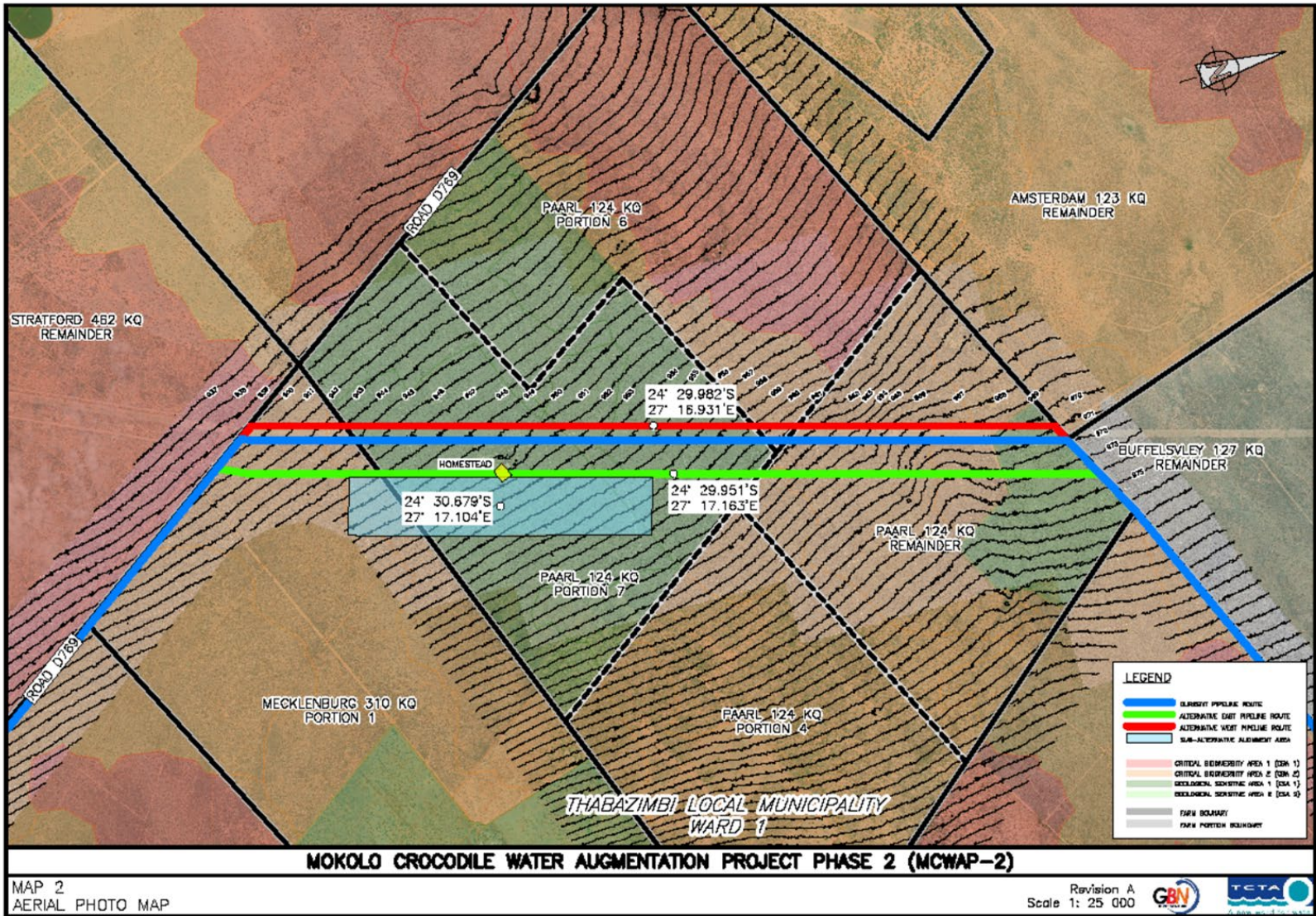
# (4) Project Scope - Re-routing of HLRM

- Current alignment results in:
  - ❖ high induced current into the pipeline and high fault level currents,
  - ❖ an increased safety risk during construction of the pipeline and during future operation and maintenance of the pipeline,
  - ❖ safety risks of working with side booms, cranes and heavy earth moving equipment within the Eskom servitude, and
  - ❖ the risk of damage to stay and earth wires over this 6.4 km section of pipeline.
- Re-routing of the High Lift Rising Main (HLRM) at Eskom Powerlines on Farms Meklenburg 310 KQ Portion 1, Paarl 124 KQ REM, Portion 6 and Portion 7 (from chainage 9800m to 16200m).

# (5) Re-routing of HLRM

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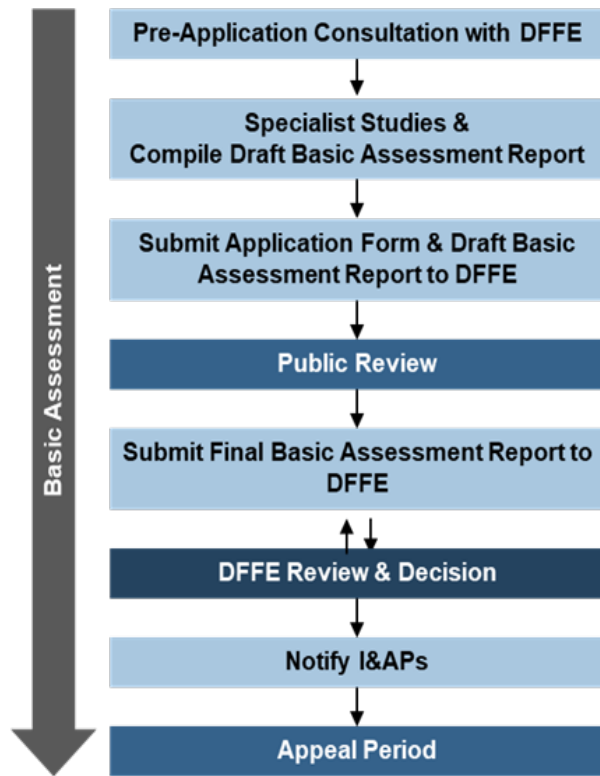
- GBN-JV proposes re-routing the pipeline outside the Eskom servitude along the power lines.
- Re-routing of the pipeline from the 100m authorized corridor by assessment of potentially three alternatives:
  - ❖ Western Alternative – shown in red;
  - ❖ Eastern Alternative – shown in green; and
  - ❖ Sub Alternative to the Eastern Alternative (this sub alternative considers avoiding the homestead) – shown in blue box.



# (6) Process Outline and Timeframes

Application:

- Basic Assessment Process



- Environmental Assessment Practitioner
- Interested & Affected Parties
- DFFE

Activity	Dates
Pre-Application meeting with DFFE	14 August 2023
Specialist Studies : Heritage Impact Assessment Desktop Wetland and Ecology	July 2023 to August 2023
Meeting with Landowners (1): Onsite	25 July 2023
Meeting with Landowners (2) Teams meeting with Eskom Land Management Division	30 August 2023
Meeting with Eskom Transmission	19 September 2023

# Site visit photographs



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# (7) Comments

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## (8) Way forward