



TULU MOYE GEOTHERMAL

TMGO

NEWSLETTER

January 2021



EPC CONTRACTORS SITE VISIT



AASTU JOB FAIR PARTICIPATION



ETHIOPIAN ELECTRIC POWER STAFFS ON SITE



**TMGO FEATURED IN ETHIOPIAN
BUSINESS REVIEW (EBR)**



**THE MIAF INVESTMENT COMMITTEE APPROVED
\$12.4M FUNDING**



Chief Technical Officer
Sigurgeir Geirsson

MESSAGE FROM SIGURGEIR GEIRSSON – CTO

On a sunny morning, just after Ethiopian Christmas, a convoy of 10 Land Cruisers entered the Tulu Moyo area. The guests in the Cruiser were from all around the world, all coming to Tulu Moyo with the same purpose; to explore the Tulu Moyo area and all ongoing activities and see how a geothermal power plant can be constructed in the Tulu Moyo area. This visit was one of three site visits we, at TMGO, conducted for the international contractors who are participating in the Engineer-Procure-Construct (EPC) Services for our Geothermal Power Project in Tulu Moyo. It shows great deal of interest and commitment on behalf of the contractors to plan such a site visit in midst of the COVID-19 challenges the world is facing. On behalf of TMGO I want to express our sincere gratitude to our visitors. In my mind the site visits were very successful and the first step in building up strong and winning relationship with the successful EPC Contractor.

The site visits are the results of many months of preparation and planning.

First, I would like to mention the Tender Documentation which capture our requirements to the project. Preparation of these documents is a good example of dedication and collaboration between TMGO, our advisors, such as Mannvit-Verkís, Power Engineers, Delphos and Trinity and our sponsors from Meridiam and Reykjavik Geothermal. Countless hours of works have been invested making sure the documents capture TMGO's requirements ensuring successful implementation.

Secondly, the effort done by the TMGO team to ensure every minor detail during the site visits was thought through and planned is astonishing. The success of how well the sites visits were is because of the hard and smart work done by the TMGO team.

Parallel to preparation for the EPC project activities and site continued through out the month of January. The KenGen team and drilling supervisors at site continued to show resilience while facing the challenges of the geothermal drilling. During the month we were honored to have representatives from both EEP and EEA joining us at site, participating in daily activities at site.

All the activities of this first month of the year 2021 are a good indication of the adventures that are ahead of us. I look forward continuing those adventures with our Team at TMGO, our sponsors and team of advisors and contractors.

Gleðilegt nýtt ár

SITE UPDATE

Various activities have been ongoing at site during the month of January. Geothermal drilling continues at well pad GA drilling exploration well GA-2. The water supply system upgrading continued with start of pump installation in one of the water wells, upgrading of the water supply system and continue drilling of water wells. The civil works were more or less completed, and the site is as good as ready for hand over to the EPC contractor. International contractors participating in the EPC bidding progress visited the site during the first weeks of the month.





GEOTHERMAL DRILLING

During the month of January drilling has reached from 550 m down to over 620 m.

Originally it was planned to drill the anchor casing section down to 710 m. However, due to challenges with cementing off loss zones from 400 m down to almost 580 m the anchor casing program had to be redesigned.

By middle of the month the anchor casing was placed down to the depth of 578 m. And after very successful installation and casing of the anchor casing drilling of the production casing section started.

Currently the plan is to drill the production casing sec-

tion down to 1200 m. This section of the well is drilled with $\phi 12\text{-}1/4$ " bit size. Kick-offs point in the well is designed at 740 m, meaning at that depth directional part of the well will start to build up, aiming for the target south west of the well head, 800 m away, under the hills of Tulu Moye.

By the end of the month of January drilling had reached down to 620 m. As with upper sections of the wells there have been some challenges with losses which the team has been diligently dealing with to ensure successful drilling of this section. It is estimated that early February drilling will reach to section which proved to be challenging to drill through in exploration well GA-1 due to steam inflow. All preparations are being made to be able to deal with the expected steam inflow section successfully.

GEOTHERMAL DRILLING

Drilling of our water wells are still ongoing with their challenges. Well 03 has been serving the geothermal drilling needs for the past 2 months. We are hoping to get water from one of our wells by the end of this month.



WATER WELL 03



WATER WELL 04

DRILL PAD CONSTRUCTION

Pad GB cellar construction and mud pit lining works completes and is ready to receive the next drilling campaign.



Expansion works at Pads GA and GB are commenced this month. Civil works are well underway and are expected to be completed by the end of February 2021. The expansion is being carried out to accommodate one more geothermal well.



EPC CONTRACTORS SITE VISIT

Successful Engineer-Procure-Construct (EPC) pre bid site visit was conducted with 6 international contractors. The site visit was held on the 11th, 13th, 15th, and 17th of January 2021. The purpose of the site visit was for the EPC bidders to gather information on TMGO project site, and for TMGO to introduce the project area and provide bidders with crucial information that will help them to prepare competitive bids.

Program of the site visit was divided in to two days with each EPC contractor. Day 1 are introduction meetings, where each organization shared relevant information about their respective companies, questions and answers entertained followed by the actual site visit accompanied by dinner events, where TMGO staff sat together with the EPC contractors; and day 2 were post visit presentation and clarification sessions.





ETHIOPIAN ELECTRIC POWER STAFFS ON SITE

We are pleased to announce the first set of EEP team has joined us on RIG. This is a start of a very engaging journey with our off takers.



THE MIAF INVESTMENT COMMITTEE APPROVED \$12.4M FUNDING

The Meridiam Infrastructure Africa Fund (MIAF) Investment Committee has approved \$12.4M funding on the interim progress report meeting held on January 14, 2020. The funding is expected to cover the project needs over the next 6 Months, up to Jun 2021. TMGO's drilling, testing and infrastructure works as well as the daily operations will be financed through this funding.



AASTU JOB FAIR PARTICIPATION

TMGO participated on a Job fair event organized by Addis Ababa Science and Technology University in its campus this month. The event was held for one day and aimed at bridging between employers and graduates of 2020. AASTU, in its job fair event majorly targeted the private sector employers. The event was opened by honorary guests from MoLSA & MOE. TMGO was invited as a guest company of AASTU at the event. TMGO and the University signed MOU, which aims at taking fresh graduates as interns & offer on job practical training. TMGO has taken two graduates (Female and Male) as interns from the University who are currently finishing their six months internship program in this February.



TMGO FEATURED IN ETHIOPIAN BUSINESS REVIEW (EBR)

Ethiopian Business Review (EBR), a monthly business Magazine, features Darrell Boyd, CEO of TMGO in its January issue under title “Ethiopia needs to invest in the right mix of Renewable Energy sources”. In this extensive interview, Mr. Darrell discusses what the right energy mix, that can help Ethiopia become green power hub of East Africa. The CEO says in his discussion the EBR reporter, “In Ethiopia, the selling price of electricity is cheap and highly subsidized by the government. Although this is good for the consumers, it is not enough to attract investors in the

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energy sector. Seven US cents for a kilowatt power might seem expensive in Ethiopia. But if you go to Kenya and elsewhere around the world, it is very cheap.”

He also discussed the progress of the drilling activity at TMGO.

Mr. Darrell also appreciated Ethiopian government for its effort to attract foreign investors. He says “Ratifying international conventions such as the international arbitration mechanism is vital in attracting international investors and boosting investors’ confidence. This ensures protection of investors under any circumstances, and it has been great to see that Ethiopia recently did this”.

TMGO are grateful to EBR for reaching out to us and featuring our company in their Magazine.



UPDATE ON GENETESH HAILEGHIORGIS

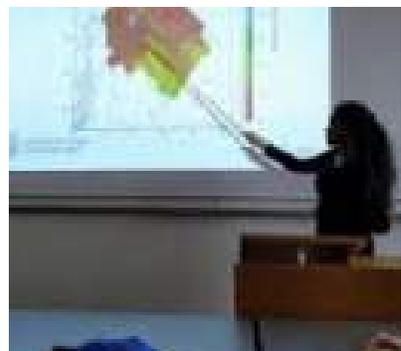
Dear Friends,

Hope you recall Getenesh H/Giorgis (geophysicist), who had a bad bus accident on October 2,2020, and sustained serious injury, as a result. Due to the level of the accident, we appealed to the geothermal community for financial assistance to towards covering her medical cost. Following our appeal,you all responded positively & generously. We, & family of Getenesh are grateful for your support. She has undergone initial treatments and has been passing through very difficult and painful time.

The accident she sustained has resulted in breakage of her right arm, left shoulder, ribs, her back and spinal cord - some bones were broken, both lungs were filled with blood, but her nervous system is fine. Then she had spinal cord and ribs surgery.

Currently, she is recovering from the shoulder surgery that she had few weeks ago, but the complexity of the injury needs better and advanced medication. However, we are informed that the treatment and the rehabilitation will take longer time based on the doctor’s advice. Therefore, to get Getenesh to full recover, she would need longer time and additional financial support.

We are kindly appealing to the geothermal community and others, again for additional contribution for this energetic young professional.



Any donations can be made to the bank account details below,
Welela Hailegiorgis Abebe
Commercial bank of Ethiopia, Gerji Giorgis Branch,
Account Numnber:1000259511988

HR UPDATE

WELCOME TO MR. ERIC ABINAN KOFFI

We are excited to welcome our new Chief Financial Officer (CFO) Eric ABINAN KOFFI, to our vibrant team! Mr. Eric has 20 years+ experience in financial management of power production projects in West African countries. He started his career at Deloitte in Abidjan as auditor, then moved to ABB group, where he held several Finance Director roles in French-speaking West Africa, in particular, as Chief Financial Officer (CFO) of Azito Energie (450 MW thermal power plant in Ivory Coast) until 2016. Before joining TMGO, he was CFO at Nachtigal Hydro Power company (NHPC) – the project company of the Nachtigal hydroelectric upstream on the Sanaga River (420 MW) in Cameroon. He holds a finance diploma from ESCA - Abidjan Business school (1998), and completed in 2019 an Executive Master's in Energy, Environment, and regulation from Sciences Po Executive Education (France). Happy to have you aboard the TMGO team Mr. Eric!





This document has been produced with the financial assistance of the African Union Commission. The contents of this document are the sole responsibility of TM Geothermal Operations PLC. and can under no circumstances be regarded as reflecting the position of the African Union Commission.



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