

# MCL NEWS

Maamba Collieries Limited



Sept-Dec 2021  
Issue 34



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## RECOUNTING FIVE DECADES OF SERVICE TO ZAMBIA – 50 YEARS & COUNTING!



**MCL COMPLETES MAJOR OVERHAUL OF TPP - RESUMES OPERATIONS AT 100% CAPACITY**



**MR. ASHWIN DEVINENI**  
**RESIDENT DIRECTOR**

MESSAGE

.....

**D**ear Readers,  
As we bid farewell to 2021, I am happy to note MCL continues to meet all operational targets- even while ensuring strict compliance with all regulations as well as COVID 19 health guidelines. My compliments on the successful completion of the first-ever major overhaul of the Power Plant despite myriad challenges!

Even as MCL always strives to ensure sustained mining operations and power generation, I remain hopeful that with the continued support of all stakeholders, MCL will continue generating power and providing essential services to the nation, even in these trying and uncertain times.

On a sad note, we bid farewell to the CEO, Rear Admiral Venkat Shankar (Retd) who left MCL in December last year. MCL will always be grateful for his yeoman contribution to the company in its growing years – which witnessed MCL commissioning of the power plant, resurgent mining operations coupled with large scale community development. I wish him and his family well in their future endeavours.

I would also like to congratulate Mr. David Vijay Kumar on assuming his appointment as the Chief Operating Officer and Mr. Jacob Lushinga on joining as the Country Head – Corporate Relations. Good luck!

I once again reiterate the need for all of you and your families to stay safe and wish you all good health and a Happy 2022!

Ndalumba kapati, Natotela saana, Dzikomo kwambiri.



**DAVID VIJAY KUMAR**  
**CHIEF OPERATING OFFICER**

MESSAGE

.....

**D**ear Readers,  
With profound gratitude, I wish to thank Maamba Collieries Limited Board of Directors for the trust it has in me which has culminated in my appointment to the position of Chief Operating Officer. I also wish to thank the entire MCL workforce, Maamba community and other stakeholders for the overwhelming support rendered to me when I served as General Manager – Mining. It is my sincere hope and trust that, that kind of support will continue.

As I take up the challenging and demanding role of Chief Operating Officer, I wish to state that, with unwavering loyalty, honesty and commitment to duty by staff, together we will continue carrying forward the vision of Maamba Collieries Limited and keep on growing the business.

Among other things, I expect MCL staff to always adhere to prescribed safety regulations in order to make our work environment safe and uphold the spirit of oneness for improved productivity. To our beloved community, be assured that we will continue executing our Corporate Social Responsibility (CSR) activities under the four pillars, namely, education, infrastructure development, health and sport – under our motto, “... **making a difference!**”

May I finally remind the MCL family and our readers that COVID 19 is still ravaging our various communities. It is therefore imperative that we stay safe by adhering to prescribed protocols and masking up at all times.



# MINISTER CALLS FOR QUICK RESOLUTION TO ZESCO - MCL DEBT IMPASSE DURING VISIT TO MCL

...as Maamba Collieries Ltd stresses on the need for a sustainable solution to ensure co-existence between the state-owned utility and MCL

**O**n 18th October 2021, Minister of Energy Hon. Peter Kapala, MP embarked on a familiarisation tour of Maamba Collieries Ltd - the country's largest coal mine and one of its biggest Independent Power Producers.

Speaking to journalists after the tour, Hon. Kapala said that the government was concerned with ZESCO's debt to Maamba, noting that his ministry was eager to restart negotiations between the two entities, with the view of tackling the challenges in the shortest time possible.

The Minister said, "Government has come to find out that there is a problem with ZESCO's debt which keeps rising. I came here to see how Maamba Collieries and ZESCO can look at the huge outstanding debt, with the view of resolving the issue before the end of 2021."

Hon. Kapala explained that government was aware of the coal-fired Thermal Power Plant's financial struggles due to non-payment of full monthly invoices by ZESCO, adding that it was his ministry's hope that the country's two major power producers could come to an agreement on how the debt could be settled.



**ENERGY MINISTER  
HON. PETER KAPALA, MP**

"The challenge still remains on ZESCO paying the balance of the debt, because currently what they are paying is only 40 percent of the bills so, the accumulation keeps on going up," he said.

"This is why we decided to come and have an on-the-spot check and appreciate the challenges Maamba Collieries are facing, with the view of getting back to the round table with ZESCO and restructure the debt."

With installed capacity of 300MW, Maamba Collieries Ltd is presently one of Zambia's largest power producers after ZESCO - accounting for about 10 percent of the installed capacity of the country's generation.

MCL's Chief Executive Officer Rear Admiral Venkat Shankar (Retd) said that the company was eager to work with the Government, to find a mutually beneficial solution, adding that it was imperative for independent power producers and the state-owned utility to co-exist if the country was to realise its energy diversification goals.



**ENERGY MINISTER AND DIRECTOR SOUTHERN REGION, ZESCO WITH MCL MANAGEMENT**

“We are actually looking for a solution which will be sustaining, not just for MCL but for ZESCO as well - because we do believe that we need to co-exist to achieve energy diversification and we need to have a solution, which is a win-win for both of us,” explained Mr. Shankar.

“Financial challenges tend to have a knock-on effect on other aspects of operations. There are things that we would like to do in terms of promoting socio-economic development in the area. We have plans to improve infrastructure around Maamba town and other parts of Sinazongwe but unfortunately, a lot of these projects are not

progressing at a pace we had hoped for due to cash-flow challenges.”

Plans exist to double the plant’s capacity to 600 MW, which would be a significant boost to the national grid. However, this project cannot be progressed, due to the acute financial challenges the company is facing.

Notwithstanding the long-standing cash flow challenges, MCL remains committed to supporting the government and the people of Zambia, through consistent and reliable power supply to the national grid.



**HON. KAPALA TOURING MCL OPERATIONAL SITES**



# NEW DAWN GOVERNMENT ASSURES MCL OF SUPPORT ON ITS' 50<sup>TH</sup> ANNIVERSARY

**MAAMBA COLLIERIES LIMITED (MCL), THE SINAZONGWE-BASED COMPANY WAS INCORPORATED IN 1971 UNDER GOVERNMENT OWNERSHIP FOLLOWING THE DISSOLUTION OF THE NATIONAL COAL BOARD OF ZAMBIA. SINCE THEN, MCL HAS BEEN AT THE FOREFRONT OF MEETING THE COUNTRY'S COAL REQUIREMENTS.**

**M**aamba Collieries Limited (MCL), the Sinazongwe-based company was incorporated in 1971 under Government ownership following the dissolution of the National Coal Board of Zambia. Since then, MCL has been at the forefront of meeting the country's coal requirements.

Following its privatisation in 2010, the mining giant has evolved to operate a 300 MW mine-mouth coal-fired Thermal Power Plant to complement its mining activities, enabling it to take a leading role in Zambia's energy diversification drive.

Its state-of-the-art power plant produces about 10% of the nation's electricity generation, which has been pivotal in reducing loadshedding hours since 2016, as climate change and poor rainfall patterns continue to impact generation in hydro-power stations.



Speaking during the Golden Jubilee celebrations in Maamba in mid-December 2021, Maamba Collieries Ltd Chief Operations Officer David V. Kumar said that the company was proud of the fact that its power plant was not only providing electricity to homes in different parts of the country but also met local industries' energy needs through its coal reserves and electricity.

"We are proud that from this small town in the corner of the country, we can power houses in Lusaka and other towns as well as power industries across the nation" he said.

**"Government will do everything possible to ensure investors like Maamba Collieries Ltd are given the required support for them to conduct business that is sustainable and profitable."**

"We are proud to have been in existence for 50 years providing employment to generations of Zambians. We currently employ over 1,500 people, most of whom are Zambian."

"MCL has also played a key role in the socio-economic development of Maamba town and Sinazongwe district at large. Our many Corporate Social initiatives have come by way of supporting local health facilities, schools, sporting institutions, youth and women skills development



Members of staff welcoming Sinazongwe DC Nchimunya Sialoke

projects, environmental protection initiatives, and infrastructure development among others.”

Mr. David during his address, reiterated MCL’s commitment to partnering with the New Dawn Government to develop Sinazongwe.

He further noted that the power plant project was planned to produce 600 MW of electricity, but financial constraints had kept it from reaching its full potential. He requested the government to increase its support to the company and facilitate its expansion plan – which would help enhance the strides Zambia has made towards energy diversification.

In a speech read on his behalf by Sinazongwe District Commissioner Nchimunya Sialoke, Southern Province Minister Hon. Cornelius Mweetwa MP assured Maamba Collieries Ltd of Government’s support to ensure smooth operations.

“Government will do everything possible to ensure investors like Maamba Collieries Ltd are given the required support for them to conduct business that is sustainable and profitable.” I would like to assure you that you have my personal and the Government’s support to ensure the smooth running of MCL, he said.

The minister added that he was impressed with the company’s unwavering investment in community development projects despite its financial problems.

“We are extremely excited to witness the numerous development projects in the district being spearheaded by MCL. Your work and support to the community has been consistent despite the financial challenges your firm has been facing since commissioning.

As the New Dawn Government through His Excellency President Hakainde Hichilema, we wish to implore other corporate entities to emulate Maamba Collieries in giving back to their respective communities in whatever little way possible. Once again thank you to MCL for everything that you are doing in the community.”

**“We are proud that from this small town in the corner of the country, we can power houses in Lusaka and other towns as well as power industries across the nation”.**



# MAJOR OVERHAUL OF UNIT- 1 COMPLETED



MCL ENGINEERS INSPECTING THE TURBINE

**M**CL's 300 Megawatts (MW) capacity Power Plant in Maamba is the largest Coal-Fired Power Plant in Zambia and is one of the country's major sources of reliable electricity.

Recently, MCL completed its maiden overhaul of its 2 x 150MW generators. The massive undertaking which was done in collaboration with the O&M Operator and OEM Companies begun in April of 2021 with a 3-month long complete refurbishment of Unit 2.

Works on Unit 1 were carried out from 25th August - 12th November 2021 – concluding the plant's first major maintenance works, since commissioning and commencing supplying power to the national grid in August 2016.

The focus areas for engineers were the turbine, generator, boiler, and auxiliary systems.

Following meticulous inspection of the turbine, some internal components were found to be deformed.

This was similar to the problems observed during overhaul of Unit 2, based on which the team had pro-actively placed an order for replacement parts thus saving countless man-hours during the overhaul of Unit 1.

Technical modifications were carried out to increase reliability of the Boiler (and by extension availability of the plant), which resulted in a marked reduction in Unit auxiliary consumption from 10.99 percent to 10.32 percent.

One of the biggest vibrations of achievements recorded during the overhaul was the reduction in vibrations of the Turbine shaft and bearing to less than 50 microns.

After completion of the major maintenance followed by successful trials, Unit-1 was synchronized with the national grid on 12th November 2021. Since then, the plant has been operating at provide 100% capacity augmenting energy security to the nation and providing base load power to the grid.





Turbine Repairs



# OVERVIEW OF OVERHAUL



# MORE ZAMBIAN ENGINEERS DOING INDEPENDENT OPERATIONS AT STATE OF THE ART THERMAL POWER PLANT



Turbine Desk Operator Vincent Lowani

**T**urbine Desk Operator Vincent Lowani joined MCL in January 2014 as a Trainee Technologist. After his training phase, the talented engineer has continuously proved his ability and technological understanding of operating this modern one of its kind plant in Zambia. Consequently, he has now be cleared to independently operate the plant's turbines, from the Main Control Room.

Vincent's drive and determination has helped him establish himself as a capable professional in a challenging field, allowing him to join a growing list of young Zambian engineers who have managed to shed their proverbial training wheels and make strides in their professional careers.

MCL is pleased to see young professionals realising their potential at the country's largest and most sophisticated Thermal Power Plant.

With a regular stream of trainees undergoing MCL's training programme, the future is filled with a lot of promise for aspiring young Zambian engineers.





## 323 FAMILIES GET ACCESS TO CLEAN WATER

**M**CL recently sunk five boreholes in villages around Sinazongwe as part of Maamba Development Trust's on-going commitment to provide fresh clean water to local communities.

Maamba Development Trust Manager Jethro Sikalunda said that the recent initiative is to complement government's efforts to address the scarcity of clean water in Sinazongwe.

He said: "It is through such Public-Private Partnerships that we can make a difference in the lives of people of our communities. The need for communities to have access to clean drinking water cannot be understated and consequently, despite the company's financial constraints, we remain committed to helping local villagers surrounding our operations gain access to clean water."

The initiative is expected to benefit over 323 households in five villages - Beenzu, Maamba, Siachona, Siakalonzo and Mweela.

Mweela resident Elina Gocho said that the intervention by Maamba Collieries was timely because the local streams that the villages hitherto had to rely on for water, were prone to contamination during the rainy season, as the runoff from surrounding farms and communities flowed into the water bodies.

"The initiative by MCL to put up boreholes is commendable," Mrs. Gocho said. "Previously, we got water from a nearby borehole but then when it got damaged, we were left with no choice but to get our water from the stream. The water caused health problems because of the frequent contamination. Thanks to the boreholes from MCL, we now drink clean water," she added.

Mrs. Gocho said that she hoped other stakeholders would partner MCL and help connect the communities to running water and to improve the standard of the local sewer system for better overall health.

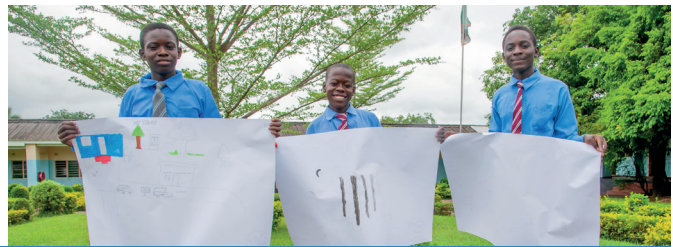
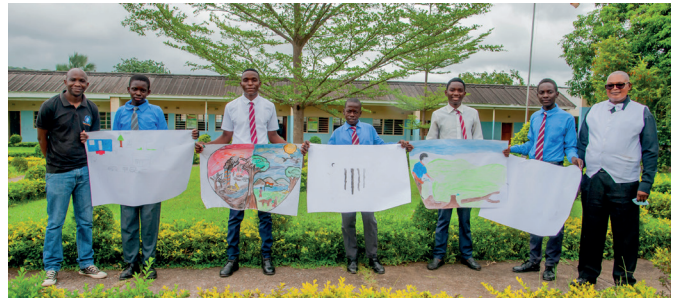


**MCL COMMISSIONS FIVE BOREHOLES IN VILLAGES AROUND SINAZONGWE.**



# MCL ESSAY AND PAINTING COMPETITION – PAINTS A HOPEFUL PICTURE FOR EDUCATION IN SINAZONGWE

AS MCL DONATES A PLETHORA OF MATERIALS TO PARTICIPATING SCHOOLS - TO MARK THE MILESTONE ANNIVERSARY



Participants in competition for secondary & primary schools in Sinazongwe district

**M**aamba Private School hosted an Essay and Painting competition in commemoration of MCL’s Golden Jubilee celebrations in December 2021.

The event attracted 50 gifted pupils from ten schools across Sinazongwe district with winners walking away with various cash prizes as MCL donated assorted items including books, desks, computers, ceiling fans, and projectors to participating schools.

District Education Standards Officer for Sinazongwe District, Billy Milimo said that the donations made by MCL would go a long way in uplifting the education standards in the area adding that events like the Essay and Painting competition helped give participating pupils much-needed exposure.

“The benefit of this event goes beyond the cash prizes the pupils received for their outstanding performances in the competition. It gives them vital exposure while the donations to their schools received from Maamba Collieries Ltd will play a key role in raising the standards of education in their institutions and the district overall.”

Mr. Milimo thanked MCL for being a consistent partner to the government, even as the administration strived to better Sinazongwe’s education system.

“These competitions have been going on for a while and Maamba has been there throughout providing aid wherever they can. On top of this, the firm has also been funding the construction of modern classroom blocks at various schools in the area and for that we are grateful,” he said.

“MCL is operating within a community in which, we value education as a key to prosperity. Once corporate entities start to come onboard and support government in getting every child access to quality education - then we can say that together we are developing Maamba and Sinazongwe.”

Maamba Mine Primary and Secondary School Head Teacher Mr. Hornsby Hazimba said the school was honoured to have been invited to participate in the competition saying that it served as great motivation for his pupils. He called on government and MCL to ensure the competition grew to incorporate more schools in years to come.

Mr. Hazimba noted that the 300 books his school had received had improved the pupil to book ratio, noting that the donated items paved the way for an improved learning experience for pupils at Maamba Mine Secondary School.



# LIVESTOCK FARMERS WELCOME REFURBISHED MWEELA COMMUNITY DAM



Siachona Village Head Man, Mr. Finito Kankuli



Livestock feeding near Mweela Community Dam

**I**n 2021, MCL embarked on an extensive rehabilitation project at Mweela Community Dam to give livestock farmers improved access to water for their animals.

The lake's volume had been severely reduced by the accumulation of silt from years of erosion leaving it susceptible to frequent drought.

Siachona Village Head Man, Mr. Finito Kankuli said that before the rehabilitation works, the dam could not meet the needs of the surrounding villages because the lake would run dry as soon as the rains stopped.

"This dam was first built by MCL in the 1990s. However, after years of

unabated erosion, the lake became shallow due to the accumulated silt and would run dry within a couple of months of the last rains - leaving livestock farmers from surrounding villages without a reliable source of clean water for their animals," Mr. Kankuli explained.

"While we do have streams in some parts of Maamba, the cleanliness of the water could not be ascertained because runoff from various sources, sometimes find its way into the stream thereby making it unhealthy for animals. With this new dam, we now expect our animals to be healthier which will improve productivity," he noted.

"Going forward, we want to bring farmers with small holdings to develop the land downstream of the dam, both as an alternative source of income for local households and a security measure against people who may try to steal animals as they drink from the lake. We are also holding talks with the local fisheries authorities to explore the possibility of developing a sustainable aquaculture initiative in the lake."

The 5-metre deep Mweela Community Dam refurbished by MCL, will cater to the needs of around 265 households from six surrounding villages and is expected to retain water throughout the year.



# JUBILEE CELEBRATIONS IN PICTURES

MAAMBA COLLIERIES MARKS 50<sup>TH</sup> ANNIVERSARY WITH A HOST OF COMMUNITY SUPPORT ACTIVITIES



MCL gives Maamba Police Station a facelift



MCL sponsored Golf tournament





MCL donates assorted material to schools in Maamba



MCL sponsors football tournament and donates jerseys & gear to participating teams



Fans closely watching the games



# MAAMBA COLLIERIES CELEBRATES GOLDEN JUBILEE

RECOUNTING FIVE DECADES OF SERVICE TO ZAMBIA – 50 YEARS & COUNTING!



**F**ifty years ago, Zambia's copper industry was booming, the kwacha was worth US\$1.40, while the nation was home to just 4.3 million people.

At the heart of those economic heydays was Zambia's largest coal mining concession – Maamba Collieries Limited.

The historic mine was incorporated in 1971 under government ownership, following the dissolution of the National Coal Board of Zambia.

Few companies have had as much of a long standing influence on the country's economy as MCL – fuelling key sector growth shortly after independence while driving Zambia's energy diversification agenda through its 300MW coal-fired thermal power plant over the last five years.





Coal Mining in the 1970s

## Early History of Coal in Zambia

Coal was first discovered in the north bank of the mid-Zambezi valley by famous explorer David Livingstone in 1857. About 30 years later, the resource was also found south of the Zambezi at Wankie (now Hwange in Zimbabwe).

However, relative inaccessibility of the deposits in the north bank, meant that surveys were only carried out nearly a century later in the mid-1950s. As a result, Wankie became the main source of coal for the copper industry in the Central African Federation till its dissolution on 31<sup>st</sup> December 1963.

The following year, Northern Rhodesia would gain independence from Britain, becoming the Republic of Zambia on 24<sup>th</sup> October 1964.

Following the introduction of the 'Transitional National Development Plan' (TNDP), mining - specifically copper mining, took centre stage as the main export sector generating the much needed revenue required to support the young nation's ambitious economic goals.

This growth in the mining sector was supposed to be fueled by a steady supply of coal from Wankie in neighbouring Southern Rhodesia.

However, the sudden unilateral Declaration of Independence from the British colony on 11<sup>th</sup> November 1965 led to a barrage of sanctions which among other things prohibited trade between Southern Rhodesia and all Commonwealth and United Nations member countries –

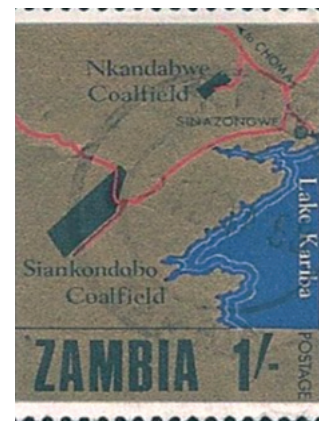
effectively cutting off Zambia's growing mining sector from its main energy source.

In a bid to save the local mining sector, and by extension the national economy, Government, through the National Coal Board of Zambia the following year resorted to developing its own coal deposits at Nkandabwe (present day Collum) - approximately 34 km North-East of present day Maamba Collieries Limited mine in Southern Province.

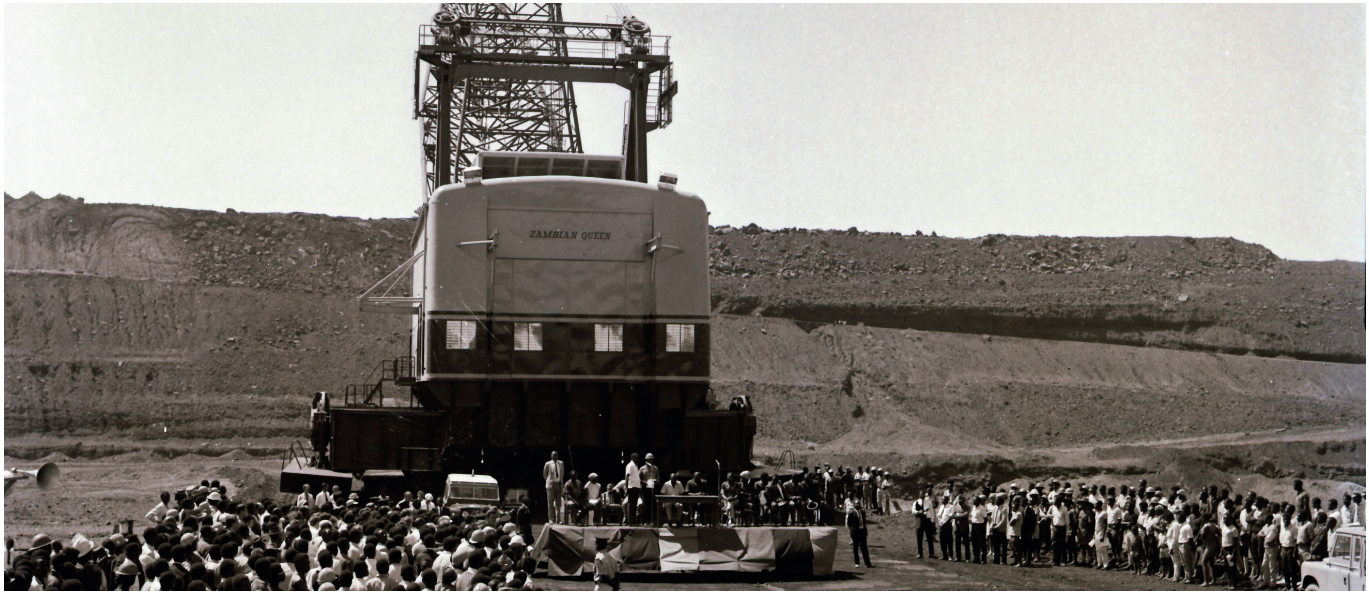
Though the new Nkandabwe mine did provide a much-needed lifeline for local industries, operations had to be abandoned merely a year later due to complex geological faulting, steep inclination of coal seams and inundation of the mine pit by underground water.

Consequently, plans were made to move the mining operations to Siankondobo (present day Maamba) by January 1968.

In recognition of the role Maamba would play in Zambia's economic development, government issued a postal stamp in 1967 depicting the area's coal reserves.



# MAAMBA MINE – THE PRE-PRIVATISATION ERA (1967 TO 2008)



INAUGURATION OF THE ZAMBIAN QUEEN AT MCL - CIRCA 1971

**M**aamba Collieries Ltd was incorporated in 1971 following the dissolution of the National Coal Board of Zambia.

The new firm took over operations at the open cast mine and at the time, the company's output could meet the growing demand from the country's manufacturing and mining industries – which were the backbone of the fledgling economy.

However, as the economy grew, so too did the demand for coal thus pushing the mine's production to its limit. The available machinery simply could not get the product out of the ground fast enough.

Soon the country's only coal mine was struggling to meet the Copperbelt's insatiable appetite, threatening to retard the growing economy's momentum.

A solution was needed, and fast.

Enter the Bucyrus Erie 1260-W Walking Dragline, a state-of-the-art heavy-duty mining machine.

Measuring 90 meters long and weighing about 1,500 metric tonnes, with a bucket boasting a 30-tonne lift capacity, the iron behemoth took nearly two years to assemble –

becoming the largest single piece of mining equipment in Zambia.

The machine was one of only three in the world and given its importance to the nation's economy, it was officially commissioned by the first Republican President His Excellency Dr. Kenneth Kaunda and christened the Zambian Queen. She proudly flew the Zambian flag, with the national coat of arms embellished on either side of its massive structure.

The Zambian Queen proved to be a lifesaver for the copper mining industry as it met and even surpassed the 100,000 tonnes monthly demand for coal from the Copperbelt, making MCL an critical cog in the nation's development and economy.

However, as the years rolled by, lack of recapitalisation and general neglect eroded the company's value, sending the once vibrant mine spiralling into growing operational and financial distress, prompting the Government, through ZCCM-IH, to pursue privatisation.

The goal was to find a strategic partner to achieve normalcy in mining operations, contain environmental degradation, and set up a coal-fired power plant to help improve the country's energy security.



# A NEW LEASE OF LIFE



**I**n 2010 Maamba Collieries Limited was privatised through a Joint Venture Partnership between NBS, an external investment wing of Nava Bharat Ventures Limited of India and ZCCM-IH – wherein, NBS acquired 65% ownership in MCL while ZCCM-IH retained 35% holdings.

Under the new management, MCL was able to attract new financiers, which greatly improved its financial outlook, and within a year succeeded in recommencing mining operations, even as planning for the Thermal Power Plant (TPP) pushed ahead.

In 2012, the sponsors started construction of a modern, environment friendly, 300MW Thermal Power Plant – a huge value addition involving use of thermal-grade coal, which would otherwise self-combust and cause environmental pollution, as fuel to generate much needed electricity.

The project was conceived to provide a dependable and sustainable base-load power source as Zambia looked to reduce its dependence on climate sensitive hydro-electric power, while also serving as a pollution abatement measure. It was designed to provide Maamba Collieries with infrastructure that was ready to scale-up and double its capacity, in line with the growing demand for power, not only in Zambia, but also in the entire sub-Saharan region.

The coal-fired thermal power plant was commissioned on 7th August, 2016, by the sixth Republican President His Excellency Mr. Edgar Chagwa Lungu, heralding a new era in the Zambia energy sector.

The timing of MCL commencing supply of power to the national grid was fortuitous as Zambia was going through a crippling power deficit crisis due to reduced generation of hydro-power stations following poor rains.

The plant accounts for about 10 percent of the country's installed capacity making it one of Zambia's largest Independent Power Producers.

To this day, the coal-fired TPP remains a one-of-a-kind project in Zambia and one of the nation's biggest Public Private Partnership infrastructure development projects.

**“A coal miner’s hand holds our family together! ..... and therefore, Maamba Coal Mine is the lifeline of Maamba Community and surrounding areas.”**

Songwe Nyembe  
(Mining Department)





## FORGING ON

Surface Miner - 2020s

**I**n October 2020, Maamba Collieries Ltd inaugurated the surface miner to improve efficiency and reduce its environmental impact of operations.

The surface miner, much like the *Zambian Queen* in its time is the first of its kind in Africa.

It is a unique mining equipment which eliminates Drilling & Blasting and makes it possible to cut and excavate coal and other minerals.

This capital investment shows the commitment of the company's sponsors and management to ensure adherence to best business practices.

On the occasion of the golden jubilee of incorporation of Maamba Collieries Limited ...

The Board, Management & Team Maamba renew their commitment of supplying coal and power to Zambia as well as their pledge to the community in Maamba & Sinazongwe to progress development and to continue ... *making a difference!*



Mining Operations - 1970s



# COVID-19 ALERT!

To all staff members,

As Maamba Collieries, our priority is the safety and health of all our people and the continuity of our business in the wake of the Covid-19 outbreak.



We are following the advice from the Zambian authorities to help manage the situation and, as a result, we have put in place a number of measures, including:

- Restrictions on all new and existing work-related international travel
- Extensive cleaning with disinfectants of common areas
- Ensuring access to masks, sanitisers and testing kBody temperature screening of workers before they enter work premises
- Employees should work from home where possible; for those who are in the office, a strict segregation rota is in place
- Any employee who wants to work remotely can do so, especially if pregnant or caring for children, the elderly or vulnerable.

And we need your help, so please:

- Wash your hands regularly with soap and water or use alcohol based hand rub
- Cover your nose and mouth with flexed elbow or tissue when coughing or sneezing and throw tissue in a bin
- Avoid close contact with anyone with cold or flu-like symptoms
- Cook meat, eggs and other animal products thoroughly before eating
- Avoid unprotected contact with live farm or wild animals

Do not travel if you have Covid-19 symptoms:

- Fever
- Cough
- Difficulty in breathing
- Shortness of breath
- Headache
- Chest pains
- Sore throat

Our operational sites have measures in place that are appropriate for their own particular locations. Updates relating to our operations will be provided as appropriate.

We thank you for the cooperation.

For further information:  
[maambacoal.com](http://maambacoal.com)  
 +260 211 256010

## SYMPTOMS

Do not travel if you have Covid-19 symptoms:



## TRANSMISSION

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna.



Air



Animal Contact



Human Contact



Contaminated Objects

## PREVENTION

And we need your help, so please:



Use Mask



Wash hands



Avoid contact with animals



Avoid crowded places



Go to the doctor



Use nose-rag

# COVID-19 Hot Lines

#Together we can beat Covid-19.

909 (toll-free)  
 +260-953-89-89-41  
 +260-964-63-87-26  
 +260-974-49-35-53

# DEAR TEAM,



**REAR ADMIRAL VENKAT SHANKAR (RETD)  
CHIEF EXECUTIVE OFFICER**

**O**n behalf of the MCL family, we wish to bid farewell to Rear Admiral Venkat Shankar (Retd), Chief Executive Officer, who separated from MCL on 17<sup>th</sup> December 2021, after joining MCL on 9<sup>th</sup> October 2014.

Rear Admiral Shankar joined MCL at a time when the Company had a lot of challenges in generating Lenders Technical Advisors' (LTA) reports as required by project financiers. His first task at MCL was to put in place an effective Health, Safety and Environmental Management Plan (HSEMP) which was accepted by the lenders, a key component in completing the project.

The other critical task was to resolve contentious land issues between MCL and the Community that posed a serious risk to the continued development of the project, which he also ably resolved. These achievements along with overseeing the final stages of construction of Zambia's first mine-mouth coal-fired thermal power plant led to successful commissioning of the TPP in August 2016.

Admiral Venkat Shankar's leadership coupled with diplomatic experience, administrative expertise and unmatched negotiating skills saw MCL develop into a much sought-after company, where young and old engineers alike, could learn modern technology in the field of thermal power generation. His tenure at MCL as the CEO saw a host of VVIP visits, including the 6<sup>th</sup> Republican President, Cabinet Ministers as well as a plethora of other Government officials, the Chinese Ambassador, the Indian High Commissioner and other VIPs visit the Mine and the Thermal Power Plant to witness first-hand MCL's operations and contribution to Zambia.

While ensuring safe and efficient operations, he also had a deep rooted passion for and commitment to community development. During his seven-year tour of duty at MCL, the Maamba Township and other surrounding areas witnessed massive community development through MCL's robust CSR Policy.

MCL family will always remember Admiral Shankar as a CEO with a keen eye for detail, a rare and special attribute which most Managers that worked under him have embraced.

We will indeed miss the Admiral and wish him and his family the best of luck in their future endeavours and pledge to uphold his favourite quote; "If you want to go fast go alone. If you want to go far, go together!"

**EDITORIAL TEAM**





# DEAR TEAM,



**DAVID VIJAY KUMAR**  
**CHIEF OPERATING OFFICER**

**A**ll employees of MCL join us in congratulating Mr. David Vijay Kumar on his appointment to the position of Chief Operating Officer - Maamba Collieries Limited. Mr. David, who until his appointment as the COO on 16<sup>th</sup> December 2021, was General Manager – Mining, after joining MCL on 11<sup>th</sup> July 2016. He is a seasoned Mining Engineer and Administrator, who has held positions in East Asia and South Africa before moving to Zambia. He brings with him more than 25 years of experience in managing multi-cultural / multi-sectoral mining corporations, a skill that is best suited to run an entity such as MCL.

While at the helm of the MCL Mining team, Mr. David has, among other major milestones, overseen the planning, development and opening of the new Kanzinze Pit, championing of the “Green Maamba” campaign, ensuring ZERO tolerance to unsafe mine operations, ensuring steady supply of coal for the TPP and domestic markets as well as liaising with various stakeholders to ensure smooth operations of the Mine, while maintaining a clean slate as regards to mining and regulatory compliance requirements.

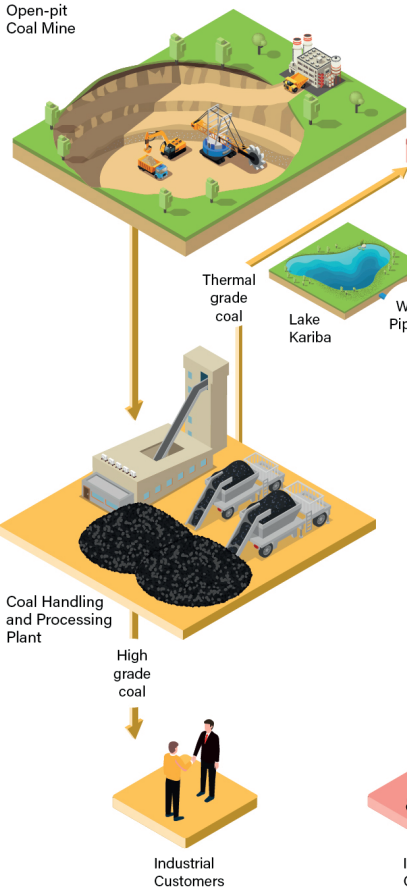
We are confident that with his vast experience in the mining industry, Mr. David will steer the company on the desired trajectory path.

We wish Mr. David the best of luck in his new appointment!

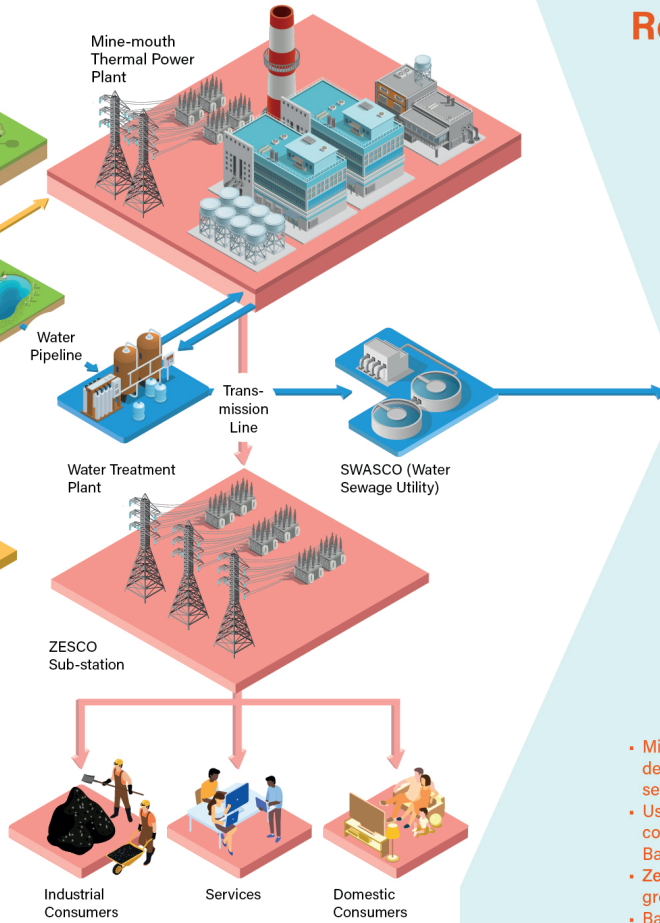
**EDITORIAL TEAM**



**Coal Mining**



**Thermal Power**  
Installed Capacity 300 MW



**Corporate Social Responsibility**



- Mitigate environmental degradation by use of polluting self-combusting coal in TPP
- Use of SOX/NOX/PM emission control technology iaw World Bank norms
- Zero-effluent discharge protecting ground water
- Back filling mine voids
- Dedicated arboriculture programme using re-cycled water
- 'Green Maamba' campaign - planting indigenous trees with community involvement

**Outcomes...**

*...making a difference*

- Conversion of polluting thermal-grade coal to high-value base-load energy
- Contributes 10% of Zambia's installed power generation
- Provides energy security and diversity in energy mix
- Sale of high-grade coal to domestic customers for construction industry and SMEs
- 100% by-product utilization
  - Unsellable coal as input for power plant
  - Fly ash for construction sector
  - Waste water for arboriculture
- Community Development

**ABOUT MAAMBA COLLIERIES LTD**

Maamba Collieries Limited (MCL), in Sinazongwe District in Southern Province, is Zambia's largest coal mine and the nation's biggest Independent Power Producer (IPP) with Zambia's only coal-fired Thermal Power Plant (TPP). The company operates a 300 MW (2x 150 MW units) modern, eco-friendly coal-fired power plant—the only one of its kind in Zambia—with the capacity to supply 10 percent of the country's currently installed electricity generation capacity. MCL is owned 65 percent by Nava Bharat Singapore Pte and 35 percent by ZCCM-IH, with some US\$919 million invested since 2010. The plant provides diversity in the nation's energy mix and contributes to the nation's base load electricity demand with high-availability power that is independent of climate change, thereby augmenting energy security of Zambia.



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