



# MCL NEWS

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## Ministers visit Maamba

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## Foreword by the Resident Director



**Mr. Ashwin Devineni - Resident Director**

We are happy that MCL continues to attract the interest of key government stakeholders, to witness first-hand the impact of our operations on the country and the local community.

The visits of the Minister of Mines and Minerals Development and the Minister of Commerce, Trade and Industry to the coal mine & thermal plant are timely. We are indeed glad to showcase our day-to-day processes and the value addition MCL is providing through its operations, which have strategic importance for the country.

This is because the base-load power generated by MCL today, forms an integral part of Zambia's electricity basket, while coal sales to domestic customers reduces dependency on imports, thus saving invaluable foreign exchange.

I am happy to note the timely completion of routine maintenance works on Unit 1 of the TPP by our O & M team. Meanwhile, MCL's efforts in preserving the environment and jointly commemorating the World Environment Day with the community is laudable. I am also pleased to see that MCL has revamped the Squash Club, which adds to the existing sports facilities for employees and members of the local community alike.

*Ndalumba kapati, Natotela saana, Dzikomo kwambiri!*

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## Message by the Chief Executive Officer



**Rear Admiral Venkat Shankar (Retd) - CEO**

The New Year started for Maamba Collieries on a bright note with both units of 2X150 MW Thermal Power Plant continuing to generate full power.

The rains did not affect our operations both in the Power Plant and in the Coal Mine. The mining activities continue to be conducted efficiently to meet the demands of correct quality coal for the Thermal Power Plant and also for our customers outside.

With the New Year also started a spate of visitors to our Thermal Power Plant. We were honoured to have Hon'ble Matthew Nkhuwa, MP, the Minister of Energy and Water Resources, gracing us with his presence and appreciating the investment. There were other visitors too, including a team from DBSA, one of the lenders for the project.

The road works in the township recommenced after a brief break due to the rainy season and by middle of this year, MCL would have re-laid all the key roads within Maamba Township at the cost of ZMW 20 million.

MCL derives huge amount of satisfaction from this job, which had remained neglected for many decades, as the newly laid roads have benefitted the entire Maamba Township Community immensely. Driving in Maamba will no more be dangerous for the vehicle or the drivers or, for that matter, to the pedestrians!

I thank the readers for their continued support to MCL.

# MCL reconstruction of Maaamba Roads near completion



The reconstruction of township roads in Maamba is nearing completion, with 4.3 kilometres of the planned 5.1 kilometres completed by end June, signaling the end of the first part of the project.

In August 2017, Maamba Collieries Limited had launched its wholly-funded reconstruction of township roads in Maamba at a cost of Kwacha 20 million. The freshly laid roads with well-designed embankments will greatly benefit the community, who in the past, have had to navigate through deep potholes and worn-out roads that had not seen even basic maintenance since construction around four decades ago.

According to the MCL Civil Engineering Department, responsible for supervising this programme being undertaken with technical support from Bicon Zambia Limited, Phase I of the road works is almost complete, with less than a kilometre remaining. This is expected to be completed by the time this newsletter goes to print.

This major reconstruction programme involving re-laying of the road network in Maamba is the flagship of MCL's Corporate Social Responsibility initiatives.

Meanwhile, a number of key government officials have hailed MCL's initiative to reconstruct the township roads in Maamba as a model for community investment by foreign multinational companies.

On his first-ever visit to Maamba Collieries as Minister of Mines and Minerals Development, Hon. Richard Musukwa, MP said there was need for other investors, especially in the mining sector to emulate MCL's CSR programmes, especially the road works which benefit the community.

Minister of Commerce, Trade and Industry Hon. Christopher Yaluma, MP said the MCL's CSR programme epitomised by the road reconstruction project is admirable as it reflects the kind of investments Zambia needs.



# MCL commemorates World Environment Day



Maamba Ward Councillor, Mr. Zachariah Chikete receiving one of MCL branded refuse collection bins from General Manager - Mining, Mr. David Vijay Kumar during the World Environment Day commemoration

MCL last June along with Maamba residents joined the rest of the global community in observing the World Environment Day by cleaning the township of all plastics and simultaneously planted saplings around the township, aimed at greening the surroundings.

The 5<sup>th</sup> of June every year is designated by the United Nations as World Environment Day, a day set aside since 1974 to promote *“worldwide awareness and action for the protection of our environment.”*

This year, India was the global host of the World Environment Day commemoration with the theme *“Beat Plastic Pollution”* as the world is coming together to combat the dangers and menace of plastic pollution.

At Maamba, MCL mobilized its employees, civic leaders, the Maamba Community and pupils from different schools in the area to commemorate this important event.

General Manager Mining, Mr. David Vijay Kumar said there is need to protect the environment from the harmful effects of plastic pollution which, apart from damaging the earth, was also endangering the safety of human and marine life.

Meanwhile, Head of the Thermal Power Plant, Mr. Ranga Rao, speaking at the event, informed the

participants that the 300-MW Plant, employing latest technologies, was designed to reduce direct and indirect emissions to barest minimal levels to avoid degradation of the environment, and that emission standards were as per WHO norms.

Maamba Ward Councilor, Mr. Zachariah Chikete said there is need for MCL to maintain its standard on environment protection and management practices.

Mr. Chikete also urged MCL to increase its initiatives of sensitizing Maamba residents on the need to embrace environmental best practices like cutting out the use of plastic bags in their day-to-day lives.

During the event, MCL awarded some of its employees for writing best essays interpreting this year’s World Environment Day theme, a gesture which was extended to pupils from the various schools in Maamba area.

As a way of sustaining solid waste management in the area, MCL also donated refuse collection bins to the local authorities. This was a follow up to last year, when, MCL donated a brand new 30-tonne Sino Tipper Truck and a Back Hoe Loader – worth Kwacha 1.2 million, to help Sinazongwe District Council in solid waste management in the area.

# Hon. Yaluma, MP hails MCL's Value Addition Model

***“MCL is supporting the Zambian economy and at the same time creating wealth for Zambians through backward linkages with local suppliers,” says Hon. Yaluma***



Minister of Commerce, Trade and Industry, Hon. Christopher Yaluma, MP says the integration of mining and power generation at Maamba Collieries supports the Government's long-term development agenda of industrialising Zambia.

The Hon'ble Minister was speaking during a one day tour of the MCL. He was accompanied by

Mr. Perry Mapani, Director General - Zambia Development Agency and other officials from the Ministry of Commerce, Trade & Industry.

Hon. Yaluma, MP said the operationalisation of MCL's 300 – MW coal-fired Thermal Power Plant, the only plant of its kind in Zambia, was an integral cog in the Government's plans.

The Minister explained that the processes of Maamba Collieries are an important model for the industrialization agenda, a core component of the 7th National Development Plan.

He said while the Government is currently focused on manufacturing and agro-processing as the main drivers of the industrialization agenda, it also recognizes that mines continue to play a key role in Zambia's economy, especially where mining processes included value - addition.

"We are geared up to transform Zambia into an industrialized economy and it is operations like Maamba Collieries that we see being at the centre of this transformation," Hon. Yaluma said.

During the period when he served concurrently as Minister of Energy and Minister of Mines & Minerals Development, Hon. Yaluma, MP had been one of the key GRZ officials who supported the idea and backed the actualisation of MCL's 300-MW coal-fired Thermal Power Plant.

"MCL is not just mining coal and selling it; there is this Thermal Power Plant which is running on some of the coal from the Pits. MCL is supporting the Zambian economy and at the same time creating wealth for Zambians through backward linkages with local suppliers," he said.

"It is important that the pronouncement of the Government policy as envisaged in the 7th National Development Plan – that is diversification and also industrialization are very much here at Maamba," Hon. Yaluma, MP added.

Hon. Yaluma, MP hailed the positive impact MCL's investment is making on the Zambian economy as well as transforming the economic status of Maamba.

"Last time I came here was when this place was under construction, but now it's fully operating and it has changed the profile of Maamba, including employees," he added.

Hon. Yaluma, MP last visited Maamba Collieries in 2014, when he witnessed the sendoff of 18 Zambian trainee engineers to India and China for on-site training in power plant operations and maintenance to promote technical skills transfer and enhance the capability of young Zambian engineers.

Meanwhile, MCL CEO, Rear Admiral Venkat Shankar (Retd), said the history of the revival of the MCL operations at Maamba and subsequent construction of the TPP can never be complete without mentioning Hon. Yaluma's role in this transformation.

**"THIS IS A TRUE INVESTMENT SUPPORTING GOVERNMENT POLICY AS REGARD TO VALUE ADDITION, THUS CREATING EMPLOYMENT AND PRODUCING END PRODUCT (ELECTRICITY) FROM COAL BEING MINED AND SUPPORTING THE ZAMBIAN ECONOMY"**

The CEO said: "If this project is standing where it is today, it is because of the Hon'ble Minister's vision and dedication. Hon'ble Yaluma, MP has been directly involved in making this project a reality."

Writing in the Visitors Book at the end of the one-day tour, Hon. Yaluma, MP stated: *"I commend MCL for this Plant. This is a true investment supporting government policy as regard to value addition thus creating employment and producing end product (electricity) from coal being mined and supporting the Zambian economy. Great work! Good luck!"*



**MCL Engineer, Mr. Nobby Mwelwa (right) explaining the design and operational structure of the TPP to Hon. Yaluma, MP (centre) and ZDA - DG, Mr. Perry Mapani (left)**

# Hon. Musukwa, MP expresses h

Last March, Hon. Musukwa, MP led an entourage from the Ministry of Mines and Minerals Development, which included the Permanent Secretary, Mr. Paul Chanda and other senior officials, on a two-day official visit to MCL.

The Minister toured key operational sites – the Thermal Power Plant, the open Mine Pits – Izuma A and Izuma B, and also witnessed the Corporate Social Responsibility initiatives being undertaken by MCL in Maamba.

Hon. Musukwa, MP who was visiting MCL operational sites for the visit time as the Minister of Mines and Minerals Development, expressed happiness with the operations and the impact of the US \$ 919-million investment, both on the economic status of Maamba as well as the preservation of the environment.

The Hon'ble Minister also witnessed the CSR initiatives of the Company which included inspection of the Kwacha 20 million reconstruction project of Maamba Township roads being undertaken by MCL.

During the visit, the Hon. Minister also interacted with the MCL Branch of the Mineworkers Union of Zambia (MUZ). While speaking to them, he urged the workers to prioritize increasing productivity and take care of the high-tech equipment employed in day-to-day operations.

“We need to have strong and reliable Trade Unions at a place of work like MCL. If the management is going to succeed, it should have strong Unions to represent the workforce,” Mr. Musukwa told the Union leaders.

“Representation of the workforce is not just about advocating for improved salaries and conditions of service, but our critical role as a Union is to ensure that production grows to contribute to the economic performance of our country. We also have to ensure



Hon. Richard Musukwa, MP (sixth fr

that discipline for the workforce is improved.”

He said it is important that the workers continue to reflect on the positive impact that the investment of the sponsors, Nava Bharat Ventures, had brought into turning round the fortunes of Maamba Collieries and improving the general welfare as workers.

“The investors have pumped huge capital into revamping the company, which has also upgraded its operations from coal mining, to include power production now,” said Hon. Musukwa, MP.

“This investment has also brought with it, state-of-



# happiness with MCL Operations



From the right) after meeting MCL Senior Management officials and MUZ Maamba Branch Executive

the-art equipment and everyone knows the state in which Maamba was before privatisation. So, it is

**“I FIND THIS INVESTMENT IN HERE FASCINATING AND THAT IT’S THIS STATE OF ART TECHNOLOGY WITH MEN AND WOMEN COMMITTED TO TRANSFORMING THE ECONOMY OF ZAMBIA.”**

important that we have a trained workforce to look after this equipment the investors have put in place.”

During an interactive session with the Union, MUZ Maamba Branch Chairman, Mr. Gilbert Moono, speaking on behalf of other Union leaders, said the workers enjoyed healthy relations with Management.

“The doors of the Management are open 24/7 to us as a Union, for any matter pertaining to the welfare of workers,” Mr. Moono told the Minister.

At the end of the tour, Hon. Musukwa wrote in the Visitors Book: *“I find this investment here fascinating and that it’s this state of art technology with men and women who are committed to transforming the economy of Zambia.”*

# Maamba Squash Club revamped



**MCL Resident Director, Mr. Ashwin Devineni (fourth from right), with CEO - Rear Admiral Venkat Shankar (Retd) on his right during the official inauguration of the new Squash Club in Maamba**

**M**aamba Collieries Limited has revived the Squash Club at Maamba after years of inactivity, following the run-down of facilities at MCL prior to privatization.

The newly-constructed Squash Court, housed in the Kanzinze Stadium, was inaugurated in June after MCL management completely razed down the old structure and built a new facility.

The Squash Court was officially inaugurated on 5th June 2018 by MCL Resident Director, Mr. Ashwin Devineni, in the presence of senior Management officials, players happy to restart playing as well as some youngsters keen to learn a new skill.

Maamba Development Trust Manager, Mr. Jethro Sikalunda, said that the restarting of Squash was part of the MCL's commitment to revive sport in the township, to ensure the employees and community became active participants in sporting activities.

Mr. Sikalunda said the Squash Club would be open

to both employees of MCL as well as community members who opt to become members of the MCL Racquet Club.

"Sports is an integral part of MCL's Corporate Social Responsibility initiatives. As a company, we believe a healthy body makes a healthy mind, which obviously translates into improving productivity of our workers as well as reducing the burden of non-communicable diseases," said Mr. Jethro Sikalunda.

Since privatization, the new MCL Management team has prioritized sports development, balancing between investing in popular sports as well as other games.

Apart from renovating the Golf Course and the Club House, it has also improved Badminton and Tennis facilities previously forgotten in Maamba. Notably, MCL also sponsors the re-branded FAZ Division One team, Maamba Energy Stars Football Club, which currently stands right on top of the league standings.

# Southern Province High Schools competition peaks at Maamba



**Marjorettes entertaining spectators at the start of the tournament at Kanzinze Stadium**

The Provincial Education Officer - Southern Province, Mrs. Florence Chikalekale commended Maamba Collieries Limited for successfully hosting this year's annual District Racquets and Ball Games Tournament on behalf of Sinazongwe District.

The three-day tournament conducted at MCL-owned Kanzinze Stadium was officially opened on 22nd June, 2018, by the District Commissioner, Mr. Protacial Mulenga.

All 13 districts of the Southern Province were present with their District Education Board Secretaries (DEBS), as well as other senior officials from the Ministry of Education within the province.

Maamba Development Trust Manager Mr. Jethro Sikalunda represented Maamba Collieries Limited. Apart from making available the Kanzinze Stadium, MCL also helped in the preparation of various playing fields within the Township.

In her welcoming remarks, Mrs. Chikalekale paid glowing tributes to MCL for the help rendered. Mrs. Chikalekale mentioned, that if Southern Province is given a chance to host the National Racquets and Ball Games Tournament in future, she would not hesitate to recommend that Sinazongwe District and Maamba Township in particular play host to the games.



**Match officials preparing for the opening football match**



**Mrs. Chikalekale addressing sports delegates**

# MCL welcomes new member



**M**rs. Florence Soko Bwembya, a seasoned Human Resources Practitioner joined the Executive Team of Maamba Collieries Limited as Senior Manager Human Resources and Administration in May 2018.

A graduate with a Bachelor's degree in Business Administration, Florence brings vast and diverse knowledge and experience in Human Resources management to MCL, having previously worked in the Mining, Construction and Agriculture sectors.

With 13 years' HR experience in various leadership roles, Florence is looking forward to her new assignment at MCL, where she is surrounded by a diverse team.

A keen gardener with strong family values, Florence is hard working, goal-oriented, innovative, well organised, enthusiastic and dedicated about achieving best results at all times.

Florence said that she is glad to join Maamba Collieries Limited because she feels it's a Company positioned for great success especially with its 300-MW Coal-fired Thermal Power Plant, the first of its kind in Zambia.

"I am excited to be part of the Company and my aim is to make an impact so as to add value to the operations of MCL," she told **MCL News**.

## MCL in Pictures - April to June 2018



President of India, H.E. Mr. Ram Nath Kovind with MCL officials at Livingstone during an interaction with the Indian Community in April 2018



Minister of Finance Hon. Margaret Mwanakatwe, MP after an interactive meeting with CEO's of Independent Power Producers and PS - EMF, Mr. Mukuli Chikuba (far left) at MoF in June 2018

# MCL in Pictures - April to June 2018



MCL women during commemoration of this year's Womens Day in Maamba



Senior Manager - HR & Admin, Mrs. Bwembya, Planting a sapling during the World Environment Day



MCL employees participating in Labour Day celebrations

# MCL in Pictures - April to June 2018



Hon. Musukwa, MP checking footbridge built by MCL to help township residents cross streams when full



Pupils from MCL's Maamba Private School during World Environment Day



Hon. Yaluma, MP exchanging notes with DG ZDA and CEO - MCL




Principal, Mr. Ernest Makasa (right) welcomes Hon. Yaluma, MP to the MCL - run Maamba Private School





# Coal Product Specifications


MCL established a modern, Coal Handling and Processing Plant (CHPP) which has facilitated production of washed coal of different specifications with consistent quality and eliminated pollution of nearby streams.

## Product Specifications

Washed Coal Nuts	Parameter	Min & max
	Size	+20 - 50 mm
	Inherent moisture %	1.5 - 1.9
	Total moisture %	3.0 - 9.0
	Ash %	18 - 20
	Volatile Matter %	18 - 21
	Fixed Carbon %	59.1 - 60.5
	Phosphorous % (Average)	0.0025
	Total Sulphur %	0.7 - 1.5
	Gross Calorific Value (kcal/kg)	6294 - 6482

Washed Coal Peas	Parameter	Min & max
	Size	+10 - 20 mm
	Inherent moisture %	1.5 - 1.9
	Total moisture %	3.0 - 9.0
	Ash %	18 - 20
	Volatile Matter %	18 - 20
	Fixed Carbon %	60.1 - 60.5
	Phosphorous % (Average)	0.0025
	Total Sulphur %	0.7 - 1.5
	Gross Calorific Value (kcal/kg)	6294 - 6482

Washed Coal Fines	Parameter	Min & max
	Size	+0.5 - 10 mm
	Inherent moisture %	1.5 - 1.9
	Total moisture %	5.0 - 12
	Ash %	18 - 20
	Volatile Matter %	18 - 20
	Fixed Carbon %	60.1 - 60.5
	Phosphorous % (Average)	0.0025
	Total Sulphur %	0.7 - 1.5
	Gross Calorific Value (kcal/kg)	6294 - 6482

Unwashed Coal Fines	Parameter	Min & max
	Size	+0.5 - 10 mm
	Inherent moisture %	1.0 - 1.4
	Total moisture %	5.0 - 12
	Ash %	21 - 25
	Volatile Matter %	17 - 19
	Fixed Carbon %	55 - 59.6
	Phosphorous % (Average)	0.0025
	Total Sulphur %	1.6 - 2.5
	Gross Calorific Value (kcal/kg)	5824 - 6200

### Maamba Collieries Limited Head Office

P.O Box No.99, Maamba, Zambia  
For product inquiries please  
contact: roopesh@maambacoal.com  
Business Development Manager

Lusaka Office  
Corporate Park  
Plot No. 20849, Alick Nkata Road  
Mass Media Area  
P.O Box 31197, Lusaka, Zambia  
Tel/Fax: +260 211 256010  
Tel: +260 211 258381  
Mobile: +260 961 219 461  
Email: sales@maambacoal.com  
Website: www.maambacoal.com