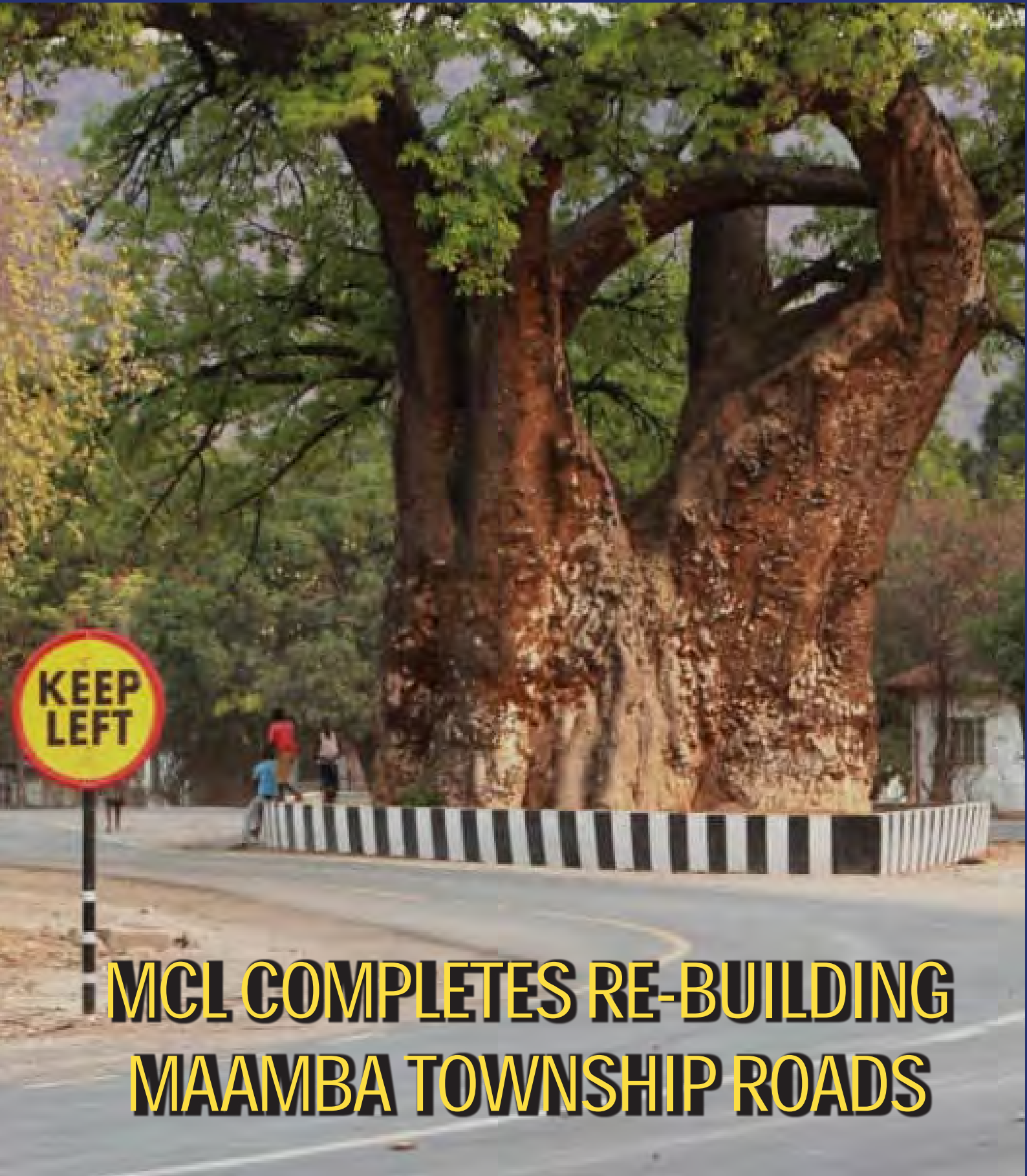




# MCL NEWS

A Publication of Maamba Collieries Limited July - September 2018. Issue No.24



**MCL COMPLETES RE-BUILDING  
MAAMBA TOWNSHIP ROADS**

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# EXECUTIVE MESSAGES

## Foreword by the Resident Director



**Mr. Ashwin Devineni - Resident Director**

I am happy to note the successful completion of the first ever major reconstruction works for the road network in Maamba in over four decades. I acknowledge the pivotal role played by our Civil Engineering Department, with technical support from Bicon Zambia Limited, in ensuring we gift to the community a good quality road network in Maamba Township.

Let me hasten to appeal to all users of the roads in Maamba to be road smart and to observe traffic rules ensuring safety of all.

On our part, we will continue sensitizing our community especially school-going children on traffic rules as we are cognizant that hitherto most of our community members are not familiar with fast moving vehicles on a quality road network.

The visit by some members of the Ministers' Spouses group to witness our operations in Maamba was indeed heartwarming. We are grateful that the Ladies spared time from their busy schedules to understand and appreciate our deep-rooted involvement and commitment to our community through various CSR initiatives, most of which target empowerment of women and the youth. At MCL, we believe that we must contribute towards transformation of the community and by training and skills development, we intend to continue **"making a difference."**

*Ndalumba kapati, Natotela saana, Dzikomo kwambiri!*

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## Message by the Chief Executive Officer



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

I, once again, welcome readers to this edition of Maamba Collieries Limited MCL Newsletter.

For us at Maamba, navigating through pot holed, eroded, broken and dusty roads which posed risk to vehicles, pedestrians and drivers was a daily challenge. It is, therefore, with pride and happiness that we report the completion of rebuilding/relaying of road works in the Township. The works, which was done mostly with the resources of the company, at a cost of ZMW 20 Million, has given a new look to the township. We do hope the users will show as much care to maintain the roads as we had shown to build them.

The Power Plant continues to operate smoothly, thanks to the dedicated efforts of the mining team of MCL, the Operations and Maintenance (O&M) team of Nava Energy and other contractors and support staff. My appreciation to all of them who have been working round the clock in shifts and importantly, done so by maintaining high standards of safety.

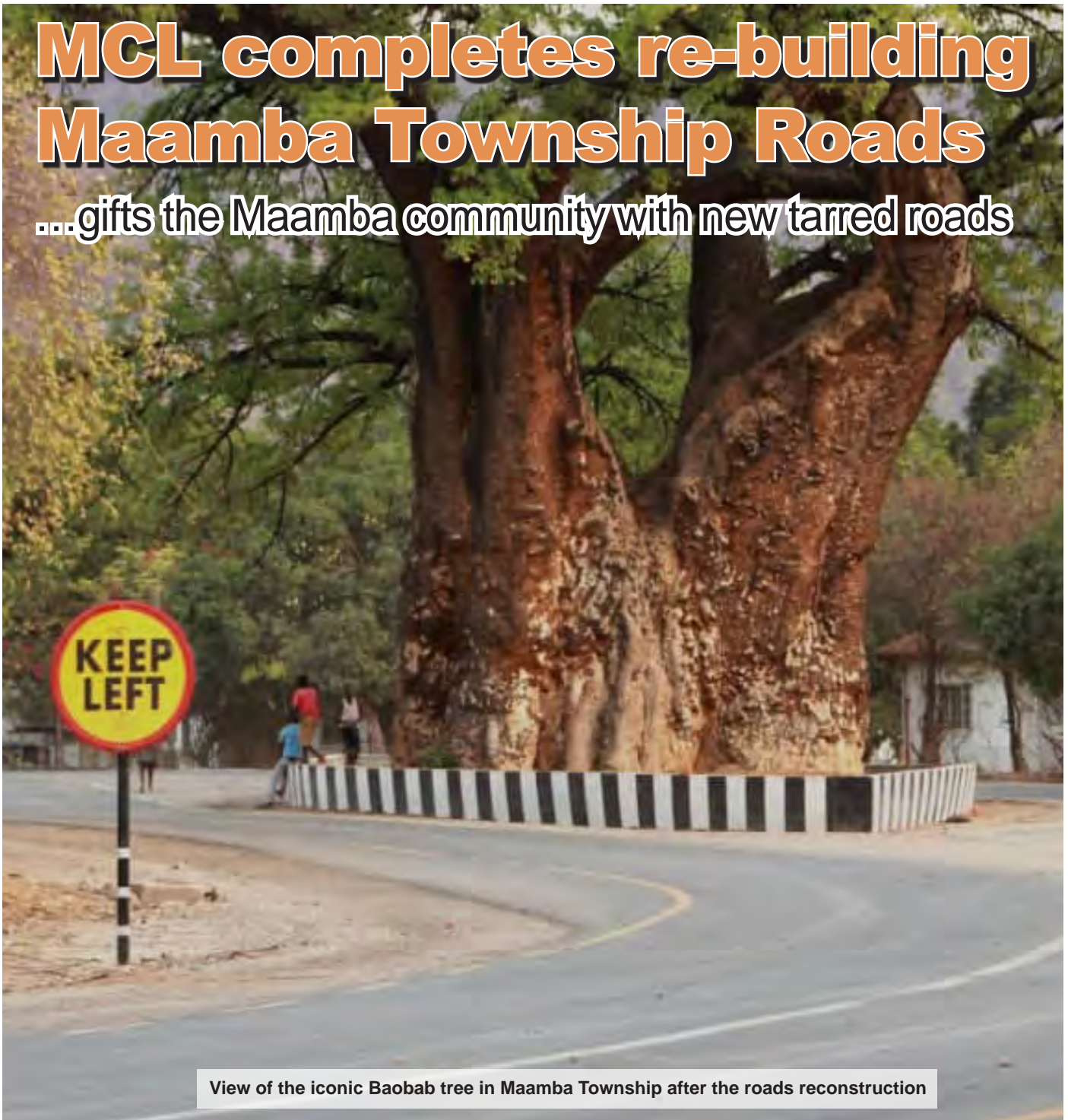
We enjoy hosting visitors to our Plant. But hosting eight lady members of the 'Spouses of Ministers' Club' over two days was even more satisfying due to the level of interactions they had with the Community and the happiness their visit brought to our Community members.

I wish all our readers an enjoyable festive season and Merry Christmas and a Prosperous 2019.



# MCL completes re-building Maamba Township Roads

...gifts the Maamba community with new tarred roads



View of the iconic Baobab tree in Maamba Township after the roads reconstruction

**T**he township roads of Maamba in Sinazongwe District have received the first-ever facelift in over 40 years after MCL completed reconstruction of 5.1 kilometres of brand new asphalt roads in the township.

At the time of privatization and Nava Bharat Ventures Limited taking over the operations of Maamba Collieries in 2010, the roads were in shambles as was the case with most legacy infrastructure from pre-privatization era.

The major reconstruction of township roads which involves relaying of the road network in Maamba is the flagship programme of MCL's

Corporate Social Responsibility initiatives.

The first Phase of the project costing Kwacha 20 million, was completed in September 2018. The black top roads heralded a new era in the area, as residents over the last four decades had got accustomed to dusty, broken roads ridden with potholes.

Apart from easing access for residents of the community to key social infrastructure such as the district hospital, markets and schools, the new road network has brought about a cleaner environment by reducing dust and also contributed to enhancing the aesthetic view of the township.



The reconstruction undertaken internally by the MCL Civil Engineering Department with technical support from Bicon Zambia Limited, saw Maamba Township turning into a huge construction site in the last few months as heavy earth moving equipment dug, scrapped and compacted, and trucks carted away the debris. Now all that remains are high-quality and well-marked black tarred roads with well painted road signs and speed breakers.

As quality road network is a new experience to most residents and facilitates faster speeds by vehicles, MCL, as part of extending its CSR initiatives, also embarked on a safety campaign to make all road users in the area road smart, with a specific focus on school children, most of whom are seeing traffic signs and experiencing fast moving traffic for the first time.

Motorists, cyclists and pedestrians alike are now enjoying the new road network with well-designed embankments and visible traffic signs posts and have also benefited from the on road

safety sensitization programme conducted by MCL.

Other than infrastructure development, MCL's CSR initiatives also focus on education, health and sports as well as the environment management. The last involves an ambitious 'Green Maamba' campaign, aimed at planting saplings around the township, contributing to a cleaner environment and helping in the beautification of the area.

Expressing his satisfaction on completion of Phase I, MCL CEO Rear Admiral Venkat Shankar (Retd) said, "We have not waited for the Company to become profitable to start constructing these new roads; it was our commitment to the community and we are delivering on our promise in keeping with the Management's aim of giving back to the community and...***making a difference.***"



# Sinazongwe DEBS highly impressed with Maamba Private School



Maamba Private School pupils in the new Science Laboratory

**S**inazongwe District Education Board Secretary (DEBS), Mr. Aiden Kambunga, says that the Government is very proud of the marvelous role Maamba Private School is playing in improving the quality of education in the Southern Province.

Speaking at the inauguration of the new Science Laboratory at MCL's wholly owned Maamba Private School in August, Mr. Kambunga also stated that the Maamba Private School is one of the key contributors to the best results that Sinazongwe District is known for in the Southern Province.

Mr. Kambunga said Maamba Private School is playing an integral role in the overall development of education standards in Sinazongwe District and beyond.

"I am proud to mention that the results that Sinazongwe District produces are one of the highest in the Province and one of the injectors into these results is Maamba Private School," Mr. Kambunga said during the inauguration ceremony.

He added, "Maamba Private School is one of the best schools in Southern Province in the production of good results. So, we want to appreciate what MCL is doing and this is marvelous and we shall proudly talk about it as the Ministry of Education. I will inform even my higher senior officers to also come and see what MCL is doing towards the improvement of education in the province and the country as a whole."

The Science Lab was inaugurated by the Chairperson of the Ministers' Spouses group, Mrs Ireen Lubinda. Present on the occasion were MCL CEO, Rear Admiral Venkat Shankar (Retd), the Sinazongwe District Commissioner, Mr. Protacial Mulenga, top Government officials in the District and MCL officials, as well as some members of staff of Maamba Private School and their pupils.

At the same event, the Maamba Private School Principal, Mr. Ernest Makasa said the new Science Laboratory would aid the school in producing even better results, which is the overall aim.



L to R: Mr. Kambunga, Sinazongwe DC, Mr. Protacial Mulenga and MCL CEO Rear Admiral Venkat Shankar (Retd)



# “Safety First” - fire drills conducted at the TPP



**A**s part of our “safety first” motto, MCL’s SHEQ Department on September 28, 2018, conducted mock fire drills around the Thermal Power Plant (TPP), to train employees in fire-fighting and evacuation drills. This is in keeping with Management’s policy to ensure safety awareness as well as preparedness to handle incidents of any magnitude in its operations.

The fire drill, coinciding with the scorching valley heat of Maamba, involved a major fire scenario and the TPP was turned into a simulated fire scene. Sirens went off, signaling and warning of the fire and the fire engine was swiftly called into action to quench the stage-managed inferno.

The simulated fire near the TPP was extinguished by the emergency brigade and the fire combat unit of SHEQ, using the fire engine’s hoses and emergency cooling water.

The fire drill was unannounced and the 11-minutes exercise prepared the staff of the TPP for actual emergencies, as they watched the speeding fire engine pass by to quickly extinguish the inferno. The ambulance was also pressed into evacuating ‘dummy’ casualties.

The drill validated the technology and procedures, MCL uses to fight fires as well as the capabilities and readiness of its personnel to handle emergency situations.

“For us at Maamba Collieries Limited, safety is part of our daily bread and a collective responsibility which involves everybody and this drill is part of our continuous initiatives and plans to ensure we swiftly respond to any emergency,” says Mr. Yotham Phiri, SHEQ Manager.

Recently, the Government had cautioned all mining houses to strengthen safety standards in their operational areas, with emphasis that firms found wanting risked being defaulted for failure to adhere to stringent safety measures. Mining and power generation are among the most hazardous sectors with regard to occupational health and safety.

Maamba Collieries Limited operates the country’s largest coal mine and also is the highest independent contributor to the nation’s electricity grid, with its 300-MW coal-fired power plant producing more than 10% of Zambia’s installed power generation capacity. The Management treats safety as paramount to its operations and MCL has a well-recognized Safety, Health, Environment and Quality programme.



# Spouses of Ministers visit MCL



The eight-member delegation of the Ministers' Spouses group with MCL CEO at the TPP

**E**ight Spouses of Cabinet Ministers made a memorable two-day visit to MCL and Maamba from 24-25 August 2018.

The eight-member delegation from the Ministers' Spouses group was led by their Chairperson, Mrs. Ireen Lubinda (wife of Minister of Justice, Hon. Given Lubinda, MP) and included Mrs. Rose Nkhuwa (wife of Minister of Energy, Hon. Matthew Nkhuwa, MP), Mrs. Grace Katambo (wife of Minister of Agriculture, Hon. Michael Katambo, MP), Mrs. Maureen Mawere (wife of Minister of Youth, Sport and Child Development, Hon. Moses Mawere, MP), Mrs. Anna Banda (wife of Minister of Tourism, Hon. Charles Banda, MP), Mrs. Lillian Chitotela (wife of Minister of Housing and Infrastructure Development, Hon. Ronald Chitotela, MP), Mrs. Aida Mwila (wife of Patriotic Front Secretary General, Hon. Davies Mwila) and Mrs. Margaret Wilombe, an honorary member.

The eight-member delegation used this rare opportunity to mingle and interact with the residents of the community residents while also engaging in several Corporate Social Responsibilities (CSR)

activities under the auspices of Maamba Collieries Limited (MCL).

The Ministers' spouses presented to the female ward at Maamba General Hospital much needed blankets, donated by MCL and also interacted with pupils at Maamba Special School where they donated food stuffs and other items urgently required to help the school.

The spouses of the Ministers also engaged with the local women being empowered by MCL. These women who are part of the MCL's Livelihood Restoration Programme, are involved in learning new skills like designing and tailoring clothes.

During the visit, the Ladies inaugurated the Science Laboratory at Maamba Private School, and also planted saplings around Maamba as part of MCL's key sustainability practices and the 'Green Maamba' campaign. They also visited several sports facilities in the area which included the Kanzinze Stadium, home to the Maamba Energy Stars FC, as well as the Badminton and Squash courts.



## Donation of the blankets to Maamba General Hospital

While donating blankets to the Women's Ward at the Hospital, the Chairperson of the Spouses Group, Mrs. Ireen Lubinda said her colleagues were very impressed with the strong CSR investment and long-term commitment, MCL is making for the community in Maamba.

Speaking at the ceremony, Mrs Lubinda said, "The help MCL is giving to the community, especially to the vulnerable women and the children has touched our hearts and we will take this message back to Lusaka."

Mrs. Lubinda used the occasion to announce that the Ministers' Spouses group is adopting the Mothers' Shelter at Maamba General Hospital.

Meanwhile, Maamba General Hospital Medical Superintendent, Mr. Kelson Lungu, said the health institution, which caters for over 124,000 locals in and around Maamba, is privileged to have MCL nearby and for the mutual support.

Mr. Lungu catalogued the interventions MCL continues to make to the Hospital, which includes but is not restricted to the setting up of several medical

camps for eye patients, special camps for screening women for cervical cancer, sinking of a bore hole to guarantee non-stop water supply to the institution, and construction of a Mourners' Shelter.

"We are a privileged hospital in that we have MCL in our midst, a Company that's been helping us a lot. In the future, MCL would also be setting up an ultramodern eye clinic together with Operational Eyesight in future," Mr. Lungu said.

During the ceremony, MCL CEO, Rear Admiral Venkat Shankar (Retd), said a healthy workforce and community remains integral to the Company's philosophy and values. The CEO said he was impressed that with so little infrastructure, Maamba General Hospital continues to dispense high quality medical care to the community and nearby villages.

He also mentioned that apart from helping to improve infrastructure capacity for the hospital, MCL also extends the services of the Company Medical Doctor to bolster Staff of Maamba General Hospital, as well as providing the Company ambulance whenever required.

The CEO said, "It's a great pleasure for MCL to be associated with Maamba General Hospital," adding that, "In a couple of years, we should be able to have a full-fledged Eye Clinic in this Hospital."



Mrs. Lubinda (right), handing over the blankets to Maamba General Hospital staff



# Wildlife on Maamba Golf Course



In 2013 after privatization, the new Management at MCL decided to embark on a programme for the conservation of wildlife in Maamba. This was done in coordination with the Department of National Parks and Wildlife, by establishing a game ranch and making it home to different species within the Golf Course.

Strategically, the enhancement of wildlife conservation at Maamba is aimed at sensitizing the Sinazongwe and indeed the Maamba community on the importance of conserving wildlife and increasing the awareness of the public regarding the proper management of natural resources.

The growth of the animal population at Maamba Golf Club including zebras and impalas, is a deliberate programme of MCL to enhance wildlife sector in the region. While world over, as in most African countries, wildlife numbers in Zambia are also dwindling, MCL is making its contribution to ensuring conservation of different species and the latest addition are two graceful giraffes, one male and female each.

Bringing giraffes to Maamba has added value to the game ranch's potential for attracting visitors as well maintaining

ecological balance.

Today, the Maamba Golf Course managed by MCL is home to a growing variety of animals and birds. A visit to Maamba Golf Club is incomplete without an experience with wild animals. At dawn or dusk, it not uncommon to see the herds of wild animals wandering out of the woods and walking past the refurbished Golf Club, enthralling visitors and golfers alike.



MCL's Maamba Private School children viewing wildlife at Maamba Golf course



# Maamba records steady increase in visits to MCL



Ngabwe Community team from Central Province with MCL senior officials after completing their tour

**M**aamba Collieries Limited this year has recorded a steady rise in the number of visitors to its operational sites in Maamba, which has included GRZ officials as well as ordinary citizens.

High-profile visitors to MCL this year include Minister of Energy, Hon. Matthew Nkhuwa, MP and former Minister of Finance and current Chairman of the PF Finance Committee, Mr. Alexander Chikwanda.

The Minister of Mines & Minerals Development, Hon. Richard Musukwa, MP accompanied by the Permanent

Secretary, Mr. Paul Chanda, also toured MCL; followed by the Minister of Commerce, Trade and Industry, Hon. Christopher Yaluma, MP who toured MCL accompanied by Zambia Development Agency (ZDA) Director General, Mr. Perry Mapani.

More recently in September, MCL played host to eight Spouses of Cabinet Ministers, who made a momentous two-day visit to MCL and Maamba from 24 - 25 August, 2018. This was followed soon after when Group Chief Executive Officer of Industrial Development Corporation (IDC), Mr. Mateyo Kaluba, toured MCL operational sites in end September.

As part of the MCL's deliberate programme of promoting partnership of the investor with local community, the Company accommodates regular planned visits by the Maamba residents, educational visits by students from schools and universities and visitors from the neighbouring villages and townships. It is the policy of MCL's Management to facilitate visits by community members to tour the mine pits and the Plant every Friday after necessary advance information.

These visit programmes include a briefing on the different activities MCL undertakes, followed by conducted tours of key operational areas, focusing on the coal mining pits and the 300-MW Thermal Power Plant (TPP), as well showcasing the CSR activities to outstation visitors.



Maamba Community members viewing MCL operations



# Panthers' XI win Maiden Maamba Cricket Tournament



Panthers' XI celebrate after clinching the inaugural cricket tournament in Maamba

**A** maiden cricket tournament was conducted in Maamba between August and September, 2018. The first-ever "Energy Cup" was inaugurated by MCL CEO, Rear Admiral Venkat Shankar (Retd) on 5th August, 2018 by toss of a coin and opening the batting.

Hitherto, there is no known record of cricket, one of the most popular spectator sports in the world, being played at Maamba. The tournament was played in league-cum-qualifier format with each team playing four matches. The five teams were drawn from employees with a passion for cricket and were called Panthers' XI, Lions' XI, Tigers' XI, Eagles' XI and Rhinos' XI.

On conclusion of the league-cum-qualifier stage, the final match was played on 16th September, between the Lions' XI led by NA Kishore and Panthers' XI captained by K Senthil Murugan.

The Lions' XI, in the beginning of their innings, struggled to score initially and lost early wickets. However, a fabulous knock of 61 from L Gopi Krishna helped the team post a competitive total of 91. In reply, the Panthers' XI produced a solid start, with Anwar Basha scoring 31 and KVV Raj Kumar scoring 28. At the end, the Panthers' XI easily overhauled their opponent's total with 10 balls in spare, with the loss of only three wickets, thereby clinching the trophy with 7 wickets. During the post-match ceremony, both winners and runners up were awarded trophies by GM - Mining.

Nava Bharat Ventures Limited's investment while privatizing MCL, includes a drive to revive sport and revamp sporting facilities in the area, in line with the Company's commitment to having a healthy workforce and community. Currently, Maamba is witnessing an unprecedented resurgence in sports, with a number of sporting disciplines such as football, badminton, squash, tennis all being actively played.





# MCL in Pictures

## July - September, 2018



Group CEO IDC, Mr. Mateyo Kaluba (middle), at Viewpoint of Izuma B Mine Pit during his visit in Sep 2018



Members of the Ministers' Spouses group with Maamba Private School pupils during inauguration of Science Lab



'Green Maamba' campaign taking shape - outside the TPP



# MCL in Pictures

## July - September, 2018



SHEQ's Fire Combat Unit after conducting fire drills at the TPP



MCL employees and community members jointly participate in a Fundraising Walk for Maamba General Hospital



Squash returns to Maamba – clinic held for budding players



Players of 1st Division Maamba Energy Stars sponsored by MCL in their new kit









# 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

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