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MCL NEWS

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Magazine

His Excellency President Lungu visits MCL





Zambia's President Visits MCL

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ON THE COVER:
His Excellency Mr. Edgar Chagwa Lungu accompanied by the Minister of Defense and the Southern Province Minister along with other senior Government officials touring the Thermal Power Plant (TPP) Construction Site

Editorial Team

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- Korra Satyanarayana
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- Gadde Ramesh

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Dear readers,
I greet you all. I have pleasure to inform you the readers today that because of your support in whatever form, whether you consider it small or big, the 2 x 150 MW Power Plant has reached slightly over 80 per cent of our total construction work because of your in-put. It will be unfair to claim that the success of this project is solely attributable to Maamba Collieries Limited.

The policy-makers, the local security in Maamba, the employees at all levels, the district leadership, the Government officials, the union leaders, the residents of Maamba and the contractors have all played their part in bringing the project where

it is today. I can safely state today that MCL has never felt abandoned since we started excavating for coal in 2010. In short, the people of Zambia and their leaders at all levels have rendered support beyond what we had originally anticipated.

As a company, we can only remain appreciative of your efforts. As far as we are concerned, you have been and remain the most productive parts of our lives. Your roles are too numerous to mention but roughly, they include your moral support, your guidance to management, your public pronouncements, and generally, the high expectations that the project has generated are appreciated by us at MCL.



It gives us a state of mind to remember and realise that in all our battles and successes, we will never walk alone. Your great contribution to the company is a great effort and great efforts can only be appreciated. Many words do not fill a basket.

Ndalumba kapati, Natasha,
Dzikomo kwambiri

Mr Ashwin Devineni
Resident Director



Dear Readers,
Welcome to the 12th edition of the MCL News Letter. We had a very busy quarter, from July to September. During the quarter, MCL hosted a lot of high profile officials that included Project Financiers, Lenders Technical Advisors and Statesmen that visited the TPP Project.

The major highlight of the quarter was the visit by the Republican President, His Excellency Edgar Chagwa Lungu, to the Thermal Power Plant (TPP) Project on 16th September, 2015 to see first-hand the construction progress achieved so far. It was a great and rare privilege for MCL to have hosted His Excellency the President, the Defense Minister, Southern Province Minister and other dignitaries for a visit to the Power Plant and for lunch at the MCL Presidential Lodge. Their visit and support to the project was a great motivation to us at MCL! I wish to reiterate that we are highly committed to fulfilling the commitment made to His Excellency, the President – commissioning one unit of 150MW in the first quarter of 2016.

All high profile officials that have visited the TPP Project have expressed satisfaction with the quality of work and progress achieved so far. My gratitude goes to all MCL employees for their hard work and commitment to duty as well as to other stakeholders for the support rendered so far.

Lastly, I wish to implore each and every MCL employee to remain as committed to duty as ever before so that we can commission our Power Plant at the earliest which would alleviate the current power shortage that the country is facing.

Rear Admiral Venkat Shankar (Retd)
Chief Executive Officer

90% Power Plant Complete



MCL's RESETTLEMENT ACTION PLAN IMPLEMENTATION

Analysis by Jethro Sikalunda

Introduction

After the privatization of Maamba Mine in April 2010, Nava Bharat Ventures (NBV) Pty Limited of Singapore acquired 65% Shares and controlling stake in MCL, while the Government of the Republic of Zambia through ZCCM IH retained 35%. The Mine commenced the construction of the 300MW Power Plant. The construction of the said plant and its related infrastructure required displacement of some households. In view of this, a Resettlement Action Plan (RAP) was initiated by MCL.

The RAP includes compensation for the Project Affected Persons (PAPs) who lost commercial structures, residential houses and other properties on the power transmission line, raw water pipe line and access roads. The total budget allocated for RAP is ZMK17 987 979.53. PAPs that lost commercial properties and those that lost other properties, for example, fruit trees, granaries, etc have been fully compensated monetarily. MCL has completed the construction of Sixty Two (62) residential houses at the Resettlement Site for PAPs whose residential houses were affected by the project. The inaugural ceremony for the housing project was held on Monday, 13th July, 2015 and

was graced by the Provincial Minister for Southern Province, Honourable Nathaniel Mubukwanu. Compensation for all the PAPs who lost commercial structures has already been done. All the households that were earmarked for resettlement have since moved to the Resettlement Site after receiving their full compensation.

RAP Compensation Package

The compensation package for PAPs that lost residential houses comprise a modern unfurnished house (as per signed RAP Agreement) and ZK12 000.00 Resettlement Allowance for each PAP.

The Resettlement Site has piped drinking water from boreholes supplied to homes from overhead tanks, concrete lined drainages, a clinic, street lightning, sewerage system, community hall and a play ground. To cater for the anticipated increase to the school population at Mweela Primary School (situated near the Resettlement Site) due to households that have been relocated, MCL is constructing three classrooms at the said school. The facilities are expected to be handed over by mid September 2015.

Orientation of PAPs

To ensure smooth settling of PAPs at the new site, MCL put in

place a 3 man induction team to attend to various problems that the households might face due to change of environment. The induction program was undertaken by officers with knowledge in community development, safety, nursing, teaching and community mobilization. During the induction period the PAPs were trained in the following:-

- Hygiene
- Housekeeping
- Fire hazards
- Environment hazards
- Electrical hazards
- Sanitation
- General house safety
- Township Act
- Usage of the toilet and electricity
- HIV and AIDS Awareness

Livelihood Restoration for PAPs

Maamba Collieries Limited recognises the fact that resettlement of Project Affected Households (PAHs) may result in some social, economic and environmental impacts. These problems include the dismantling of production systems, loss of productive assets

and income for the people being relocated. MCL has put in place a Livelihood Restoration and Improvement Plan (LRIP) for all the PAPs.

Purpose of Livelihood Restoration:

The Livelihood Restoration and Improvement Plan (LRIP) is designed to stimulate sustainable development of the PAHs so that their standard of living is improved, by equipping them with various skills. The training plan covers home management, enterprise and skill based livelihoods. In this regard, MCL in collaboration with relevant stakeholders will offer the following training to PAHs;

Enterprise Training

The PAHs will be offered skills enhancement, specifically in the areas of tailoring, driving and carpentry. Depending on the response, MCL proposes to engage qualified personnel to provide this type of training.

- Technical Skills Training

MCL will provide technical skills training at its Vocational Training Centre in Electrical, Metal Fabrication and Welding to eligible PAPs. The training programme is affiliated to TEVETA. The trainees will undergo a six (6) month training programme, after which they will graduate with a Trade Certificate - Level 2. It is anticipated that the

said training will equip them with a skill that will improve their livelihood as well as their chances of getting formal employment.

Enrolment is scheduled for August 2015. MCL is appealing to other community members who might be willing to train at our Vocational Training Centre to utilize this chance as well.

- Home Management

Some of the main diseases affecting communities are malaria, diarrhoea, malnutrition and sexually transmitted infections. Some of these can be reduced by very simple training programmes and / or purchase of very basic preventative materials such as mosquito nets. In conjunction with relevant organisations, MCL will endeavour to provide training, which will cover basics such as family planning, hygiene, cooking and sanitation, and management of sick persons. The said programmes will commence in September, 2015.

MCL Stakeholder Engagement Plan

It is the policy of Maamba Collieries Limited to develop good working relationships with employees of MCL and the community in which it operates.

Maamba Collieries Limited requires the support of everyone in Maamba, in order to ensure mine operations

are carried out viably, in peace and in a socially responsible manner. MCL also intends to keep all its employees, stakeholders and the community at large, well informed about its operations.

Stakeholder engagement is an integral component of MCL's communication strategy. It provides opportunities for individuals, communities, private organisations and interest groups to provide input to the smooth operation of Maamba Collieries Limited. The consultation will always be carried out to gather and document the concerns of the stakeholders on the project and to incorporate them in order to achieve amicable resolutions.

MCL has put in place a Stakeholder Engagement Plan which ensures that all grievances received from various stakeholders are well documented, attended to and amicably resolved within a given time-frame. Currently, the office of the Maamba Development Trust Manager keeps **three Grievance Registers**, namely, **Community, Project Affected Persons (PAPs) and Staff Grievance Registers**.

Project Affected Persons (PAPs), Community members and staff are free to visit the office of the Maamba Development Trust Manager to register their grievances. MCL further wishes to assure all stakeholders that all their grievances that are brought to our notice will be attended to accordingly.



Notice

Members of the public, employees and all stakeholders wishing to write their views and comments for publication in the MCL newsletter are welcome.

Such views or comments should be emailed to sikalundajm@maambacoal.com or call 0966-946 904.

Queries about marketing should be forwarded to roopesh@maambacoal.com or call 0961-219 461

MCL interaction dinner



Employees of MCL and senior management officials were treated to a great evening when the “No Parking Band” of Lusaka mesmerised them during an interaction dinner held on Saturday, September 5, 2015.

The workers danced to all kinds of lyrics as they received a variety of songs that cut across cultures. The dinner was meant to allow the workers to socialise and get together. The event took place at Maamba Golf Club and was attended by the Resident Director Mr Ashwin Devineni, the Chief Executive Officer Rear Admiral Venkat Shankar and the Chief Operating Officer, Mr. Gurram Venkata Narayana, among others.

There were no speeches, no high-table and no programme, perhaps to signify that the event was purely meant to be a social interaction.



His Excellency President Lungu visits MCL

The Republican President, His Excellency Mr. Edgar Chagwa Lungu accompanied by the Minister of Defense and the Southern Province Minister along with other senior Government officials visited the Thermal Power Plant (TPP) Construction Site on Wednesday, 16th September, 2015 to get an update with regard to the construction progress of the plant.

The high level delegation was received at the MCL airstrip by the Chief Executive Officer, Rear Admiral (Rtd) Venkat Shankar and other executives of the Company. The President was given an overview of the plant layout by the Plant Manager Mr. G Ramesh at the site. The delegation was briefed on the progress of the construction and also explained the various milestones covered till the visit. During the course of the briefing, His Excellency, was informed about the impact of the delayed financial closure on the progress. On a query by His Excellency, the CEO said that the Company was targeting commissioning of the first 150 MW in the first quarter of 2016.

The CEO further stated that works had gained momentum after the attainment of financial closure and that he was optimistic that MCL would be able to commence pre-commissioning trials of the plant before the end of the year.

As a way of transferring technical skills to Zambian engineers on the Operation and Maintenance (O&M) of the TPP, the CEO informed the President that MCL had recruited fresh graduates from Zambian Universities and Technical Colleges to understudy the expatriate engineers. The President expressed his appreciation of the efforts to transfer skills to Zambians. The CEO thanked the Government for the support rendered to the project



MCL Chief Executive Officer, Rear Admiral Venkat Shankar (Retd) explaining a point to Zambia's Republican President during the tour of the Thermal Power Plant (TPP) construction site on 16th September, 2015

and assured the President that MCL will work round the clock to meet the scheduled commissioning date.

His Excellency, the President expressed satisfaction with the progress and quality of work being undertaken. He reiterated the Government's support and commitment in ensuring that the MCL Project was completed as scheduled so that it could address the power deficit the country was experiencing. He was also keen that MCL should work to commence preparations for

the Phase II of the Power Plant.

His Excellency, further informed the crowd that turned up for a Public Rally held later in the day at Maamba in MCL's Kanzinze Stadium that he expected the TPP to be commissioned early 2016 and address the issue of power deficit currently being experienced in Zambia. He appealed to Maamba community and the citizenry at large to support the investment at Maamba Collieries.

State Bank of India Officials touring the Water Reservoir Site



MCL hands over 62 houses

Maamba Collieries Limited (MCL), on July 13, 2015 inaugurated, 62 houses to the families who were affected during the construction of the water draining systems and related infrastructure for the 2 x 150 MW Power Plant.

This project of relocation of 'Project Affected Persons' (called PAPs) was a part of the Environmental Impact Assessment (EIA) done at the commencement of the project and the Resettlement Action Plan drafted and approved by ZEMA.

Southern Province Minister Hon Nathanel Mubukwanu who officiated at the handover ceremony praised the new MCL Management for constructing the houses.

He urged the community to maintain their property and ensure they remained in good shape.

Lands Minister Christabel Ngimbu later joined the gathering and also toured the structures.

Based on this plan approved by ZEMA, MCL constructed 28 Single bedroomed houses, 20-two bedroomed houses and 14 three-bedroomed houses.

These houses are fitted with modern fittings and have running water and electricity.

MCL has also provided a playground and a community hall in the vicinity besides making provisions for a clinic at the site.

Most of the families initially lived in round grass-thatched houses but the company improved their status as part of its corporate social responsibility.

The project had a budget of Four



The Aerial view of the resettlement of the Projected Affected Persons (PAPs) soon after the houses were handed over.

Million US Dollars. The houses have been built at a cost of K14 million.

Each of the Single bedroomed houses cost K85,000.00 while two bedroomed houses cost K166,000.00, and each of the three bedroomed houses cost K401,000.00.

The company views the completion of the Resettlement Housing as a major step in meeting the aspirations of the people of Maamba.

MCL strongly believes in development of communities around its operations as a key factor for its sustainable growth.

The housing project and related activities follow a well-defined Community Development Programme with appropriate budget allocation aimed at addressing the needs of the communities.

The affected people moved into the new houses and were also fully compensated.

MCL shall also give all the affected people title deeds to their properties.

To further alleviate any hardships the relocated households may force the company to providing technical skills such as welding, electrical, tailoring, carpentry and home management skills.

LTA OFFICIALS VISIT MCL PROJECT

A team of Lenders' Technical Advisors (LTA) visited the MCL Project from 21st – 23rd September, 2015 as part of their continued

project monitoring. They visited the Thermal Power Plant (TPP) construction site and its related infrastructure, the Mine and the RAP Site.

The team expressed satisfaction on the quality of RAP Houses and overall progress of the project achieved so far.



LTA officials touring the Resettlement Village



State Bank of India with MCL Management officials viewing Izuma Pit B

MCL toasts State Bank of India visit

A team comprising of Mr. S. S Bhat and Mr.G Vijay Kumar from State Bank of India had visited us on 4th August, 2015.

SBI officers extensively toured MCL covering the Mine, the Power Plant, the Resettlement Housing and the Kariba Water Pumping facility.

Upon completion of their visit to various project sites,

they were overwhelmed about the progress (80%) made towards the Power Plant despite delays in Financial Closure.

At the end, SBI officers expressed their full satisfaction towards the state of affairs regarding Mine activities and Power Plant Construction.



This is the aerial view of the new and improved Maamba Mine. Before the new management took over in 2010, the coal was excavated using the rat-hole method. But the new Management is using the benched system to promote modern mining standards and to maintain high standards of safety. There has also been a good reputation in keeping the environmental standards at their best.



Construction of the Water Reservoirs in Maamba Township is almost complete. The Reservoirs will store water in good volumes before it is transported to the Power Plant to turn the turbines for the generation of electricity. The water will initially be tapped from Lake Kariba, a distance of about 30 km to the reservoirs.



The water pumping system at Lake Kariba



The 300MW Maamba Power Plant under Construction

Meet MCL's SHEQ Manager – Yotham M. Phiri



In order to improve service delivery in the SHEQ Department, MCL has recruited a new SHEQ Manager. Mr. Phiri joins MCL with over 22 years work experience in the Mining industry and has spent over 10 years in various management positions. His career started with the Zambia Consolidated Copper Mines (ZCCM) – NKana Division way back in 1993. In 1996 he was transferred to Nchanga Division before it was taken on by Konkola Copper Mines (KCM) after privatization. At KCM, Mr. Phiri held the position of Environmental Manager until 2008, when he joined First Quantum Minerals Limited in Mauritania in the same capacity until 2013 when he was transferred to Kansanshi Operations, in Zambia.

Mr. Phiri joined MCL on 14th July 2015 as SHEQ Manager. He holds Bachelor of Science Degree in Chemistry and Mathematics from the University of Zambia.

MCL wishes him a happy and fulfilling career.



MCL Recruits Safety, Health and Environment (SHE) Advisor for The Thermal Power Plant

Mr. Joshua Kambafwile
– Safety, Health and Environment (SHE) Advisor for the Thermal Power Plant.

Mr. Joshua Kambafwile joined MCL on 1st September, 2015 as Safety, Health and Environment (SHE) Advisor for the Thermal Power Plant. Mr. Kambafwile has 14 years of practical experience in environment, social, community,

health and safety management obtained in Zambia and the Sub Region where he held various management positions.

His career started at Ndola Refinery in 2000. In 2001, he joined Environmental Council of Zambia (ECZ) presently Zambia Environmental Management Agency (ZEMA) before moving to African Mining Consultants Limited in 2006 up to August

2015.

Mr Kambafwile holds a Bachelor's Degree in Metallurgy from the University of Zambia and a Post Graduate Diploma in Environmental Management from Netherlands.

MCL wishes Mr. Kambafwile a happy stay and a prosperous career.

Kariba pump system construction advances

The Water pumping systems at Lake Kariba have now advanced and are almost ready to start draining water to power the turbines at the Maamba Power Plant.

Construction of the tank with the capacity to store 3 million litres of water has been completed and efforts are under way to start pressure tests by the first week of September, 2015.

The Pipe Line which connects the Power Plant and pumping system has been connected. The testing is meant to establish whether the pipe lines were strong enough to withstand the water pressure.



The Water Pumping system at Lake Kariba is nearing completion. The tank with the capacity to store 3 million litres of water has been pressure-tested and ready to operate.

Power plant construction now exceeds 80 per cent

Construction of the Maamba Collieries Limited (MCL) Power Plant is on course and has reached over 80 percent Completion. The Power Plant is a 300 MW, eco-friendly Power Plant which will use the Circulating Fluidized Bed Combustion (CFBC) technology with associated facilities. The Power Plant is designed to use low grade coal and coal washery rejects which are the by-products of the mining operation.

Zambia is currently dependent on Hydro Power which is being impacted negatively whenever there is a deficit rainfall.

The Power Plant will provide the much required alternate source of power. It will provide dependable and sustainable electricity supply to the nation and will contribute significantly to reducing the energy deficit. The Power Plant is being constructed as per international standards and will become a role model in the entire Sub-Saharan region.

So far, engineering, manufacturing and delivery of all equipment is nearing completion while in the main Power Plant block, the Turbine Building



and Steam Generators are nearly complete.

The company has already conducted the hydro testing for both the Steam Generators.

Both the Generator stators have been erected while Turbines were being installed during the month of September.

Most cardinal is that the 150-meter chimney has been successfully completed with most balance of plant works almost done.

Grid upgrade works by ZESCO on course

ZESCO has awarded contracts for up-gradation of existing 220kV grid to 330kV grid. Since the Grid Up-gradation works by ZESCO are scheduled to be completed by mid-2016, ZESCO is providing a temporary arrangement for power evacuation at Muzuma sub-station in Choma.

This is the point at which MCL power will be evacuated into the national grid. This temporary arrangement work is scheduled to be completed within 5 months.

The MCL Power Plant is in advanced stage of implementation and has reached more than 80

percent construction so far.

The power plant testing is scheduled to commence by the end of this year followed by commissioning.

Meanwhile, the erecting of the 330kV Transmission line from Maamba to Muzuma is also almost complete. All materials have been delivered while the 108 towers have been erected out of the required 109.

There has also been progress in the stringing of 631kms of conductor that have been completed out of 644 kms.



An aerial view of Maamba town

TEVETA approves Electrical Course at MCL Training Institute

TEVETA has granted MCL an approval for the training of Electrical course at the Maamba Collieries Training Institute. This came after quality inspection conducted on 27th August, 2015.

During the inspection exercise, TEVETA Standards Officers inspected all the tools and equipment and found that the institute has adequate training standards.

This is according to the Head of the MCL Training Institute, Mr. Vasireddy Srinivasa Rao.

Specifically, TEVETA accepted MCL standards in the areas of qualifications of management and staff, availability of trainers, safety, health and environment systems, quality of classrooms, and staff offices.

They also checked the quality of furniture, workshop, tools, equipment, examination facilities, storage facilities, water reticulation and sanitary standards.

TEVETA has, to this effect, provisionally given permission to MCL to start Electrical course at Trade Test level II with effect from September, 2015. The Accreditation certificate is being expected.

The examination body appreciated efforts by management for the improved infrastructure and for introducing the Electrical course which is needed at the Maamba Power Plant in addition to the Welding course, which has already been running.

They also appreciated the fact that the Welding course was very successful. The first batch of trainees in Welding has already completed the course.

TEVETA also encouraged MCL to start extra courses at the institute considering the high standards of facilities and the quality of training available.



TEVETA Standards Officers Inspecting MCL Training Institute (Electrical Section)

...as Projected Affected Persons join training at the institute

Projected Affected Persons (PAPS) have started their training at the MCL Training Institute as part of the plan by management to impart skills in the resettled persons.

The DBSA Team from South Africa visited the institute on the same day after inspection by TEVETA inspectors.

The PAPS joined the training in electrical and the second in-take of the Welding class alongside the other students during the month of September.

The training started on 9th August, 2015. Three PAPS enrolled for the electrical course while seven enrolled for Metal Fabrication and Welding.

MCL offered training as part of the resettlement plan for the families affected by the construction of the power plant and its auxiliaries.



DBSA touring the training institute

Maamba soccer toddler has 'big shoes'

Fact File:

Name: Muma Mumba

Date of Birth: 2 June, 1997

Town: Maamba

Occupation: Pupil

Meet Muma Mumba for the first time, he is a ball-boy. Those small boys who pick the ball by the pitch side and throw it to players. But looks can be deceiving, so goes one over-used saying. This appears to fit perfectly well with a young small boy based in Maamba. His slender posture and physical appearance is deceiving and that is confirmed. This is because Muma is a genius on the pitch who has no respect for old age. To describe him as a cheeky player for those who have watched him is an understatement. This is the reason Zamcoal Diggers fans have nick-named him Dzeko, in reference to that Bosnian-born and world renowned soccer star, Edin Dzeko of Roma Football Club.

Mumba is simply a genius on his good day. He is a prolific wing attacker who uses his small stature, tact and speed to send

towering markers tumbling to the ground, reminiscent of a drama performance.

Muma is only a grade 9 pupil at Maamba Private School which is run by Maamba Collieries Limited. At that age, Muma has already been selected to play for the national Coca Cola soccer team to face other stars from the Southern African Development Community (SADC).

The selection process was very exhaustive. Firstly, the best players in each district competed in the inter-district competition in Mazabuka, Southern Province where he was chosen to be part of the provincial team in Kasama, Northern Province. At the Inter-Provincial Tournament, Muma was again among the top eleven that won selection to participate in the international assignment later this year.

His club Coach, Chris Chibuye has a special word for him: "Muma is certainly going very far. I know that national soccer coaches at various age groups will start talking about Muma very soon. It is just a matter of time," Chibuye said.

His dream is well summarised in a very short sentence: To play in Europe.



Muma poses for a photo at Maamba private school where he is doing his Grade 9

MCL hosts national golf tournament

Carrying a 217-point lead that was won during the Southern Cross tournament, Maamba Golf Club hosted Maamba Open on Saturday the 8th of August 2015 in Maamba, Sinazongwe District. The tournament attracted forty-five (45) golfers from several Golf Clubs within the Country, which included Chainama, Chilanga, Mazabuka, Monze, Choma and Livingstone. Club Chairman Henry Chaile welcomed the Golfers and promised that there was no way back for the visiting Clubs as his players had adequately prepared for the tournament. Addressing enthusiastic golfers that morning, a confident Chaile said Maamba would fully utilize the home ground advantage, but cautioned his team against complacency.

Crowned the winner of 2015 Maamba Open, VETERAN golfer Charlie Butts of Mazabuka Golf Club held off a late charge by national team player Aaron Simfukwe junior to win the tournament. Butts, playing off scratch, shot rounds of 71 and 73 to end on 144 gross. Simfukwe, also a scratch golfer, shot seven over par 79 in the first 18 and an amazing four under 68 in the second round to end on 147 gross. The well attended and defended tournament affected Maamba Golfers who lagged behind as Golf middle expert Bill Hamalala, attained the Runners up gross A-division while Owen Kabunda, brilliantly accomplished the PM Net Winner B-Division.

Zambia Golf Union Vice-President Jason Kazilimani commended Maamba Collieries Chief Executive Officer Venkat Shankar for maintaining the Golf Course in great condition and sponsoring the tournament. He further encouraged Maamba Golf Club to come up with Golf developmental projects in partnership with ZGU as the case has been with other Clubs within the Country. Also in attendance were ZGU Executive Member (South) Victor Hamukoma and Zambia Junior Golf Association Assistant Director Chris Mulenga. Both Victor Hamukoma and Chris Mulenga thanked Maamba Collieries Limited Management for the commitment shown towards improving golf. As a gesture, to show their support, ZGU officials donated a golf kit for juniors.



The Chief Executive Officer Venkat Shankar thanked ZGU officials for their timely support and further emphasized Maamba Collieries Limited's commitment to improving recreational activities including Golf. Continuing with the tradition of actively supporting golf, a smiling Chief Executive Officer in his own unique way expressed his thanks to the visitors;

"We thoroughly enjoyed having you with us and I wish I had played a round with you all. Please honour us with another visit... I promise to lose money!!!"

On the other hand, the Chairman Henry Chaile said Maamba was currently enjoying good form, bolstered by golfers whom he said were playing splendid golf as evidenced by the impressive scores they recorded in Choma and Monze respectively.


"I can confidently say we are at peak in terms of form and our Golfers have tremendously improved and are a marvel to watch as they post impressive scores,"


He named Bill Hamalala, Noah Siloongo and Owen Kabunda as promising Maamba golfers.


Coal Product Specifications

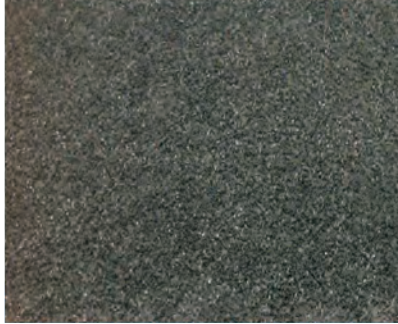
MCL established a modern, Coal Handling and Processing Plant (CHPP) which has facilitated production of washed coal of different specifications with consistent quality and eliminated pollution of nearby streams.

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

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