



MCL News

A Publication of Maamba Collieries Limited



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INSIDE:

Maamba Collieries Invests
US\$750 Million In New
Coal-fired Power Plant in
Maamba Town

Maamba – A Paradise In Waiting

Maamba Collieries Committed
to Extractive Revenue Transparency





Contents

Resident Director's message...3

Maamba Collieries invests US\$750 million in new coal-fired power plant in Maamba town...4

Message from the Patron...6

Maamba – a paradise in waiting...7

Maamba committed to extractive revenue transparency ...10

Photofocus: Maamba by snap! ...11

Maamba Collieries constructs vital community bridge... 13

Newly constructed bachelors hostel for powerplant trainees being recruited in Zambia...14

Waste management in Maamba Township...15

Weird but possible ...16

Safety, Health, Environment, risk and Quality management system (SHEQ) at MCL..18

MCL invests US\$1 million on the construction of the Kanzinze Dam ...20

Spencer Sautu a Zamcoalg Diggers football player playing in the Zambia National Soccer Team ...23

Coal product specifications...24

Editorial

Janardhan Lavu

Talent Ng'andwe

Andrew Tembo

Passmore Mwakiposa

Taona Kalunga

Lubona Chunga

Eliakim Lukonga

Gurram Venkata Narayana

(Patron)

Resident Director's Message...

We at MCL would like to wish our readers a happy and prosperous 2013.

As a company we have continued to strive to provide high quality coal to the local and foreign markets. And we are thankful to our esteemed customers that we ended the year on a good note.

The construction of the power plant (first phase) is progressing well and the works are going as per plan. In 2013 we expect accelerated progress with most of the works earmarked for this year.

Corporate social responsibility is of utmost importance to us and we value and are delighted to be involved in helping the community to overcome some of its challenges.

To our most valuable resource which is the hard working men and women of Maamba Collieries Limited, I would like to say thank you and let's continue working as a team to realize our dream of making our workplace safe and environmentally friendly.

Ashwin Devineni



Construction for the New Thermal Power Plant Chimney

Maamba Collieries Invests US\$750 Million in New Coal-fired Power Plant in Maamba Town.

By: Talent Ng'andwe

Zambia's largest coal producer Maamba Collieries Limited (MCL) is expected to commission the first 150 megawatts (MW) coal-fired power plant by September next year.

Works on the construction of the power-plant are progressing well with the first 150Mw planned to be commissioned in September 2014 and the second 150Mw to be commissioned by December 2014. With an investment of US\$750 million, works on the engineering, procurement and construction (EPC) by the contractor SEPCO have been progressing very well. Three shipments of power plant

equipment have arrived on-site and by 2014 September, commissioning of the first 150 megawatts will take place. Another 150 megawatts will be commissioned in December 2014.

The transmission line contract and the water pipeline contract have been finalised adding and the works on these two power plant related projects are expected to start at the end of February 2013.

The construction of the thermal power plant would create considerable employment

opportunities for the local people and jobs would be created both by the power plant contractors and sub-contractors.

MCL is recruiting 85 graduate engineers initially starting from this year (2013) to work with the EPC contractor (SEPCO) during the construction phase and also to undergo intensive training both onsite and offsite (at NBV existing thermal power plant in India) in order to achieve the desired objective of Zambians running the thermal power plant at Maamba



once commissioned.

Construction of the first 300MW Coal-fired Power Plant in the southern African country will offer business opportunities to Zambians. It is expected that a large participation of local Zambian companies in Non-EPC works will spur local industrial development and the surrounding communities.

MCL has embarked on use of latest green technologies in all the processes of the thermal power plant in order to remain pollution free.

Sinazongwe area Member of Parliament Hon. Richwell Siamunene says Nava Bharat has

revived the lost glory of the people of Sinazongwe and assured the company of much needed support.

So far, SEPCO has created about 300 jobs for Zambians directly and through subcontractors.

Located about 352 kilometres from Lusaka, in Zambia's Southern Province, Maamba mine boasts of 78 million tonnes of low-grade coal reserves besides 102 million of high grade coal reserves, enough to sustain operations for a long time to come.

Construction of New Maamba Thermal Powerplant main building underway.

So far, SEPCO the main contractor has created jobs through subcontractors by providing opportunities to the local people to do the construction work and about 300 job opportunities have been provided.



Message from the Patron

Sustainable Development, Guiding every move at Maamba Collieries Limited

Our goal at MCL is very clear- we aim to be our clientele's preferred partner. This means developing value added products which adhere to world -class standards, whilst actively striving to be the best in our field. But what makes us more than just another coal and power energy supplier? It is our passion to offer our customers innovative solutions, whilst realizing that we have a duty towards safeguarding our surroundings.

This is why we constantly challenge ourselves to build differently by improving existing products, processes and developing new products (coal value addition projects), which are even more effective, whilst leaving a lighter footprint.

Our promise of a better tomorrow is realized through our sustainability ambitious 2015 roadmap from 2012, which actively motivates:

- Ambitious project of the thermal coal fired power plant of capacity 300MW (150MW X2) in Maamba to be overall commissioned in 2015.

- Protecting our environment by limiting pollution, reducing worksite disturbance and

rehabilitating quarries.

- Ensuring our people have all the right tools to conduct their everyday work in a safe and healthy environment.

- Being involved in knowledge sharing and technology transfer in an organisation.

Principles of respect

Corporate social responsibility and sustainable development are the cornerstone for long term industrial excellence at Maamba Collieries Limited. We at Maamba, as an entire organization and without compromise, will continue to strive relentlessly to ensure that these values are reflected in all our actions. It is only by doing this that we can ensure a healthy and successful future for the generations that will come after us.

Mr. Gurram Venkata Narayana, Chief Operating Officer (COO) Maamba Collieries Limited



Maamba – A Paradise In Waiting

By Passmore C. Mwakiposa

MCL is creating a state of the art thermal power-plant which will not disrupt the harmony in the environment...

In the recent past, it was not easy for Maamba Collieries Limited (MCL) workers to carry the company name on their shoulders wherever they went; in fact it was very embarrassing. Most of us would rather identify ourselves as “self-employed” or simply as Maamba residents to spare the wrath of being ridiculed.

People who had continued to stick to the ailing and troubled company then, were perceived as never-do-wells, not focused in life, still “living-in-

the-box”, not having the necessary qualifications to have the audacity to venture elsewhere; having the fear to explore the wider world or just were not bold enough to take

risks in pursuit of greener pastures.

In as much as they may have been innocently right, I am not sure if I fell into one of those categories.

For most of us who had gone visiting bigger towns, we were haunted by the prospect of being asked who we were, where we had come from and what we had been doing for a living. We had met so many exciting people on the way, sometimes mysterious too.

On one of my rare visits to Lusaka (for I have a phobia for travelling), I happened to bump into an old friend who was in the company of two other patrons in one of the popular leisure spots at Kabwata area. As usual, Zambians like to talk about issues of the heart, local politics, trips to Dubai or South Africa and the current log

standings on the English Barclays Premier League.

In this debate I was in the safe zone, and indeed my colleagues would look at me in admiration for I really made a good account of myself by articulating real issues. That was when I made myself vulnerable.

Naturally, my ardent listeners took a keen interest on the man who appeared to be too

knowledgeable about life around. This was the hardest part! Can you imagine one having to undergo the ordeal of identifying who one was and which part of the world one was coming from and so forth and so on?

It was so frustrating to be asked questions like, where is Maamba?

What is there in Maamba? , what has kept you in Maamba all this time? Or even more embarrassingly, I thought Maamba Collieries Limited was closed long time ago and “how are you guys surviving out there?” The plain truth was - I was embarrassed to be associated with Maamba. Honestly, most of the questions may have been asked innocently, but I felt ridiculed nonetheless.

I realized, as a matter of fact, that the problems that had befallen Maamba then, had not stirred serious national debate or attracted media coverage except in times of floods. There were very

Historically, MCL has never recorded a healthy Balance Sheet. It was not only considered a service-provider for Zambia's coal based industries but a main source of employment especially for the people of Southern Province. As an auxiliary company of Zambia Industrial and Mining Corporation Limited (ZIMCO), it enjoyed profits generated by big parastatals like Zambia Consolidated Copper Mines (ZCCM) and ZESCO even when Coopers & Lybrand continued to reveal losses over the years.

few Zambians who had information about what had happened to MCL. Simply, it was either Maamba mine was privatized or was surviving as a last vestige the ZIMCO group of companies.

Historically, MCL has never recorded a healthy Balance Sheet.

It was not only considered a service-provider for Zambia's coal based industries but a main source of employment especially for the people of Southern Province. As an auxiliary company of Zambia Industrial and Mining Corporation Limited (ZIMCO), it enjoyed profits generated by big parastatals like Zambia Consolidated Copper Mines (ZCCM) and ZESCO even when Coopers & Lybrand continued to reveal losses over the years.

But this could not go on forever, there was a new political and economical dispensation in Zambia in 1991 when MMD came to power. This was followed by a

wave of privatization of most of the government-owned companies, particularly loss making ones as a fulfillment of the MMD manifesto. For one reason or another, Maamba mine had survived liquidation. The real problems for the evidently ailing coal mine started in 1993; most of the mining equipment was either too old to be efficient or simply obsolete.

This was compounded by other technical impediments like high stripping ratios and generally the high costs of producing clean coal by the Coal Preparation Plant (CPP) and transporting the finished product by aerial ropeway, as against a painfully overstaffed labour force.



MCL has brought hope for development to Maamba Town

A massive purge of retrenchments followed in 1997 which did not make the company any better. MCL had accrued many liabilities and abrogated on many statutory obligations, hence so many litigations in the courts of Law. Zambia's only coal mine was simply unmanageable despite changing many Chief Executive Officers.

At some stage the liabilities of company had far surpassed the assets it owned. This was the only reason why privatization of the mine had exceedingly delayed. Most of the investors were deterred by the scope of responsibility they would have to endure in mitigating liabilities and lawsuits.

Finally, many years of patience and endurance have paid off; Nava Bharat of Singapore has cradled the people's aspirations. At no time in the history of this small coal mining town has there been so much anxiety and hope.

Nava Bharat who owns 65 per cent equity shares in the company (for 35 per cent is Zambian government owned through ZCCM-IH), has cleared almost all the liabilities including that of its employees.

Today almost 15 companies have been contracted to do different works on mining excavations and renovations to mine infrastructure.

The new Coal Handling and Processing Plant (CHPP) has since been commissioned and is running very well.

The construction of the much awaited multi-million the Coal Fired Thermal Power Plant (TPP) project has begun in earnest. Many of the unemployed youth have grasped this opportunity to find jobs to sustain their livelihood which, only a years ago was a dream!

The prospect of having our own power generating station has

excited many Maamba residents who believe that this will not only improve the profile of Maamba but also enrich the living standards of the local people who are not directly involved with MCL.

So far a number of technical professionals in specialized fields have been engaged from within and outside the country to pioneer this massive construction feat. No wonder one former employee remarked, "I never thought I would find Maamba the way it is today; so much has changed. I am completely lost".

The other one put it quite plainly, "Bharat has made me own a vehicle; I never thought I would own one in my life time". Indeed today, there are a lot of vehicles in Maamba. With the view to build more housing units, re-surface the roads, put up street lights, erect new recreational facilities and empower the local communities with business opportunities, Maamba is really looking like a place to be, a virtual paradise in waiting.

I will be looking forward to meeting my old friends in Lusaka and share light moments on how life can change overnight. Maamba has been a true life experience for me. It remains to be seen if the reign of skepticism and pessimism will continue to be in people's minds; only time will tell. I am now feeling like a true Patriot of Maamba; newly rejuvenated.

From being "cursed" to being "blessed", Maamba is now in the domain.



Maamba Committed to Extractive Revenue Transparency

By Talent Ng'andwe

An excavator loading Run off Mine (ROM) Coal into dump trucks – Mining Pit

Maamba Collieries Limited (MCL) has taken a step in ensuring that it participates in the Zambia Extractives Industries Transparency Initiative (EITI) aimed at disclosing what mining companies pay to government and what government receives from mining companies.

MCL is committed to transparency and accountability and has been part of many large scale operating mining firms publishing their payments to government since EITI was launched in 2008.

EITI an initiative first announced at the World Summit for Sustainable Development in Johannesburg in 2002 was founded on the recognition that while oil, gas and minerals can help elevate living standards across the world, where governance is weak, this may often lead to corruption and conflict and a lowered quality of life for many people.

In Zambia the EITI is overseen by a multi-stakeholder group with representatives from Civil Society, Government and Mining Companies. The country decided to join the initiative because of the perceived lack of transparency after the privatization of the mining sector.

Central to other processes the country needs to meet to qualify for EITI is the production of reconciliation reports, which reconciles payments by extractive companies with revenues received by the government from extractive companies.

MCL participated in the first Zambia EITI reconciliation report which was published in February, 2011 and the second report published in August, 2012. The benefit of EITI to the country includes improved governance, improved revenue collection, improves sovereign and corporate rating and reduces the risk of conflict.

ZEITI Chairman Fredson Yamba who is also the secretary to the treasury says the initiative is in line with government policy of fighting corruption and maximizing of benefits for the Zambian people from the country's natural resources, reducing levels of poverty especially in rural areas and creating an enabling environment for increased investment.

Photofocus: Maamba by Snap!



Top: The SEPCO Camp. SEPCO is the Construction company developing the Maamba Powerplant



Top: Construction at Maamba underway



Top: Maamba Masuku Road Construction

A view of the mine from the mountain



Christmas Celebration at Maamba

MCL Staff were treated to several celebrations during the festive period.





Maamba Collieries Constructs Vital Community Bridge...

By Talent Ng'andwe

Maamba Collieries Limited (MCL) has spent about 200,000 Kwacha Rebased on the construction of the Airport bridge project which took a stipulated period of 45 days owing to its significance.

The bridge has brought excitement to the community and was very excited with the gift which is a major milestone as it will serve a student population of more than 300 pupils.

The occasion was graced by the District Commissioner, Mr Dodo Sindazi.

The area is prone to floods when rains persist and makes it practically impossible for the local community to do their day to day activities.

As a responsible corporate entity, MCL makes constant efforts to build and nurture long standing relationships with various

members of the society in general and the local communities in which it operates.

The latest construction of infrastructure such as the Airport Primary School bridge is testament of MCL's commitment to Corporate Social Responsibility.

Newly constructed bachelors hostel for powerplant trainees being recruited in Zambia



Maamba Collieries Limited has completed major rehabilitation works on its infrastructure, bringing a new look to the old dilapidated buildings at the mine and the surrounding community.

Below are some of the rehabilitation and new projects done so far:

PROJECT	DESCRIPTION OF PROJECT UNDERTAKEN
HEMM for Mining	Procured HEMM for other departmental WORKS
Housing Infrastructure	Renovation of houses and presidential lodge
Bachelors hostels	To accommodate 80 staff for power plant
Mine infrastructure	Offices, stores, workshop
Environment Compliance works	Bund walls, oil interceptors, ground fuel tank, washing bays
Other environment infrastructure Compliance	Fencing around CHPP+Power Plant site
Kanzinze Restoration	Diversion to natural course
Sewage ponds	Upgrading and pipelines at township
Fencing of dumpsite-Mayakuzala	Preparation of fencing of dumpsite for security purposes
Maamba Private School + Pre School	Renovations
Relocation site	Housing for displaced people affected by the power plant project
Golf Club renovation	Golf Club was renovated
CHPP	The Coal Handling and Processing plant was also successfully commissioned



Top to bottom: Inside Trainee Hostel and refurbished MCL Head Office

Waste management in Maamba Township

By Lubona Karen Chunga



Maamba Collieries Chief Operating Officer, Gurrām Venkata Narayana at the WACO presentation of refuse bins...

WACO Minerals, a local company has made a contribution to waste management in Maamba with the donation of 50 waste bins to the Community. Maamba collieries was on hand to witness the event...

WACO, a local company has made a donation of refuse bins which will be given to the local Hospital, Sinazongwe District Council, Schools, Churches and Markets.

The company which donated the bins on the 23rd November 2012 believes that it is with good faith that Maamba Community will indeed benefit from these bins and contribute to keeping Maamba clean.

Waste management is the process of collecting, transporting, processing or disposing, management and monitoring of various types of waste materials. The process is crucial to reducing the effect of waste on health in general and the environment in any community.

MCL recognizes the importance of waste management and actively takes part in waste collection and hence took pride in participating in the event.

The waste that is collected in Maamba is taken to Mayakayaka

dumpsite for disposal. Waste management in Maamba is very important because it helps keep the community clean and orderly hence controlling pollution. Waste that is not properly managed can create serious health or social problems in the community.

Each person and each company needs to find their own ways to deal with waste. Any waste produced by an individual or institution needs to be collected and disposed of correctly. Each individual has a duty to care to ensure a safer, greener environment.



Weird but Possible

By Passmore C. Mwakiposa

1960s technology, The Giant Excavator lies in state!...

It was one of the busy days at the office. I had decided to take a walk to the edge of the offices overlooking the old mined out Izuma pit area. The walk would help me digest some of the food after having an unfulfilling meal from the local canteen, but in part to refresh before taking on the second part of the day.

I stood there watching the small pit in its entirety. I was there when it was opened; I thought to myself, I was one of the early mining pioneers. I saw it grow and produce the priced coal. I drove those giant trucks. I drilled for coal down to the deepest depths and blasted the virgin earth.

I had operated those gigantic shovels. I was part of the technical staff that had ensured that mining was done according to prepared mine plans and projections. That was my world; a world of dynamic mining!

Suddenly it occurred to me that

the machine which had brought so much pride and accolades to Maamba was to be used no more - the "African Queen". There she stood, hovering tall but fallen from grace! She was once considered the biggest moving machine in Africa and the most versatile excavating monster of all time. At her

coronation, she was graced by the once second vice President of the newly liberated Zambia, Mr. Simon Kapwepwe.

The poor machine stood there, forsaken due to old age (42 years old). Technological advancement had overridden the outdated 1960s technology with the new corporate dispensation, whose theme is “efficiency and maximum optimization”.

The best way to honour the “African Queen” was to make her a national monument. She would “lie in state” like a fallen hero for the rest of her remaining days; indeed she was a hero once upon a time! And people would soon be using the past tense “she was” and not in the present, “she is”. It felt sad so sad for her, for I was once part of her.

Suddenly I felt a pat on my shoulder and I looked up. It was a dark complexioned stout old man, probably in his early sixties, he grinned at me.

“Very soon we shall be cutting her down for our scrap metal business”, he remarked somewhat ironically.

“You can't do that!” I answered back defensively, without conviction. Deep down I knew it was possible after all.

“We Zambians are not creative enough. Did you know that in as much as you want to make it national monument, you could spin good business out of it?” he looked at me straight in my eyes as if saying, “What can you do about it?”

“What are you talking about?” I hit back instinctively, but in hushed tone.

“I mean you guys can turn that junk of old scrap into a luxury spot

and tourists will be coming to have fun on it”, my big man's eyes brightened with confidence. I now knew what he was talking about but probably, with my weird imagination, I would go far beyond than his dreams could go. A leisure spot indeed, weird but possible!

Can you imagine the dragline making its last “walk” to the final resting place, in a carefully chosen commercial area to be turned into the most unique leisure resort Zambia has ever seen? Absurd isn't it? It calls for slightly abnormal brains and a lot of ingenuity to ever think of such a feat.

The dragline's main machine house and the base machine apartments stand almost 40 meters high, as equal as a three storey building. The upper part can accommodate a bar area, restaurant area and a flashy cosmopolitan night club area on two levels.

The base has over 20 partitions which can be turned into leisure ship type of booms with state-of-the-art interiors. The operator's cabin and the control panel area can be the administration or even the board room area. The tail-end of the machine could be the discharge point for the sewer and water disposals!

The mast hovers over 100 meters up into the open atmosphere and at its helm one can literally see the entire town of Maamba. This could be the “Eiffel tower of Maamba” The dragline boom which is held at an angle by this mass of meticulously woven structure of the mass of steel is about 150 meters away and hangs at a nerve breaking height. That is what would probably be the most attractive spot; Bungee jumping! The “walking shoes” and the on

board outdoor bench working area would be the ideal places for outdoor people. The outdoor could be designed in a balcony of a house overlooking the sea style. The setup would be complemented by the countryside type of chairs and tables, flanked by a braii stand.

The bank bucket could be “filled” with burning coal; literally a contemporary artist could be engaged to design “artificial glowing coal” from translucent material and flickering lights to create an ambience of burning material. This would remind the people of the valuable service this historical machine rendered to the nation.

Funding such a project would probably be a big bottle neck. Technocrats and financial experts would probably waive this aside and deem it not worthwhile. But alas! A substantial amount of funding could come from her! Weird?

Did you know that the “African Queen” is constituted by five million tonnes of solid and hollow steel? And If 70 per cent of this steel which is solid is removed and sold to our old man, the scrap metal dealer, the company could probably realize about 44.3 per cent revenue for the proceeds towards the funding.

With this line of thought, skeptics would be thinking twice and begin too believe towards this vision. If ever this would succeed, this would be a pure works of incomparable ingenuity. Maamba could be in the Guinness Book of World Records for Innovation. It is possible. I hope it happens in my life time!



Safety, Health, Environment, Risk and Quality Management System (SHEQ) at MCL

The SHEQ Team at Maamba

Maamba Collieries Limited (MCL) values the safety and health of its workers and the surrounding communities. It puts the environment at the pinnacle of importance in all its operations

Safety Health Environment, Risk and Quality (SHEQ) Manager at MCL, Mr Andrew Tembo shares some important aspects:
At MCL the SHEQ team is of great importance as it is in charge in the control of all our process starting from the mine (pit), processing plant (CHPP) and the power plant project. To make sure that all activities are taking place at quality acceptable value, accident free environment, with zero risks and harm. At MCL safety comes first.

Our Vision
To be a leader in coal mining and coal based power generation in Zambia through sustainable development of resources.

Our Mission
To be a dependable source of energy in the form of coal and thermal power generation in Zambia and the surrounding region

Our Goal
Implementation of Integrated Quality, Energy, Safety, risk, Health and Environmental Management Systems (policy) for a sustainable future

- Objectives of New Management at MCL**
1. Revival of coal mining activity with scientific, efficient and environment friendly operations which includes the setting up of a Coal Handling and Processing Plant (CHPP),

Establishment of mine-mouth, coal fired, eco-friendly power plant, using thermal grade coal and rejects as fuel and Community development through Corporate Social Responsibilities(CSR) initiatives.

2. Survive and succeed socially, economically, and ecologically in complex unstable, changing and competitive markets.

Project Execution Structure

To secure the interaction of all processes and projects in quality assurance, environmental protection, energy-related, the scope of benefits, job security, data security and health these are important for our management systems:

Processes at MCL are controlled on the basis of key performance indicators as shown below:

- a. Input
- b. Output
- c. Rework
- d. Scrap volume
- e. Delivery performance
- f. Manufacturing performance
- g. Customer Complaints
- h. lead times
- i. Inventory levels
- j. Utility time
- k. Accidents frequency
- l. Over time
- m. Absenteeism
- n. Suggestions for improvement
- o. Specific energy consumption
- p. Fresh water consumption
- q. Total waste to disposal

Constant Customer Focus

We at MCL control our coal products, services and projects through customer satisfaction, energy management, deliverables on time, Working Environment and Safety. By Identifying and anticipating needs, measuring customer satisfaction, complaints, energy, safety, provision of services before, during and after a purchase, data analysis, security and management.

Customer requirements determine our thinking and action we should take towards customer satisfaction. We always break new grounds and develop innovative products and services for sustainable infrastructure and resource management efficiency.

We produce the highest standards

We act with confidence, courage and performance-oriented, with a goal of being the best in class, in Skills and are committed to every individual towards the basis of goal achieving. The development of our employees is the most important aspect, with health and Safety being the first priority in our organization.

We Share a Common Value

We act in the overall interest of customers concerns. Through openness and mutual appreciation, we shape together customer's needs. We rely on strong values, reliability and honesty, credibility and integrity. We take responsibility for our society.

Excellence

Maamba Collieries and Power Plant is a modern, oriented organization with a sustainable future. We want our organizational to continue growing towards our core business, by promoting excellence and at the same time having the Certification of our integrated management systems and maintain a favourable customer focus.

MCL Security Awareness Policy

The preservation of the Security of our assets, employees and contractors is a deeply entrenched, non-negotiable value for Maamba Collieries, and practiced with rigour by our Security personnel.

However, having a risk and threat free working environment is not just about developing a security policy, but rather about entrenching a collective Security awareness culture amongst our people and customers; this is why Security at Maamba Collieries has a real life, everyday implication at our facilities.

MCL invests US\$1 Million on the Construction of the Kanzinze Dam

By Taona Kalunga

Maamba Collieries Limited (MCL) has spent about US\$1 million on the construction of the Kanzinze Dam on the Kanzinze River so that the river can follow its natural course hence protecting the river from being polluted and providing Maamba with a reservoir of fresh water:





A weir of about 1.2 metres height has been built across the river. The barrier across the river is designed to alter the flow characteristics. In most cases, weirs take the form of a barrier, smaller than most conventional dams, across a river that causes water to pool behind the structure and allows water to flow over the top. Weirs are commonly used to alter the flow regime of the river, prevent flooding, measure discharge and help render a river navigable.



MCL says during preliminary construction works, Kanzinze River which is a tributary of the Zambezi passed close to the MCL mining area. As a result, the river was diverted at two locations by introducing two brackets. However, due to the steep slopes and flash flooding, these temporary diversions were uncontrolled and led to full breach of the river course.

With new construction works, MCL has now returned this river to its original course. The final aim of the construction works was to close breach points and return the river to its controlled state.



Spencer Sautu a Zamcoal Diggers football player playing in the Zambia National Soccer Team



By Elakim Lukonga

Zamcoal Diggers Soccer Players...

Spencer Sautu in Action!

ZAMCOAL Diggers Football Club, a team sponsored by Maamba Collieries Limited (MCL) has contributed a player to the Under 17 Zambia National Soccer Team, which scooped a Silver medal during the just ended southern Africa Zone six games, club Secretary Mr. James Chinene has said.

MCL sponsored side ZAMCOAL diggers a Maamba based football club in division 1 encouraged Spencer Sautu, a very talented young player to be part of the wining Zambian National Team.

Mr. Chinene said there have been great contributions by the coming of new MCL management in

Maamba giving the football club an impetus of developing new talent in the likes of Sautu, Sydney Kangengu, Kelvin Chongo, Samson Manyepa and Charles Muntanga The club utilizes Kanzinze stadium which was built in the early 1970s by the government under MCL then. The stadium is affiliated to Football Association of Zambia (FAZ).

MCL takes care of the purchasing of football kits - jerseys, boots, food, transport and allowances to the team players.


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	120 - 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	10.5 - 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

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