



MCL NEWS

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HIGHLIGHTS

**MCL Chairman, Mr. Ashok Devineni
Inaugurates Izuma Flats**

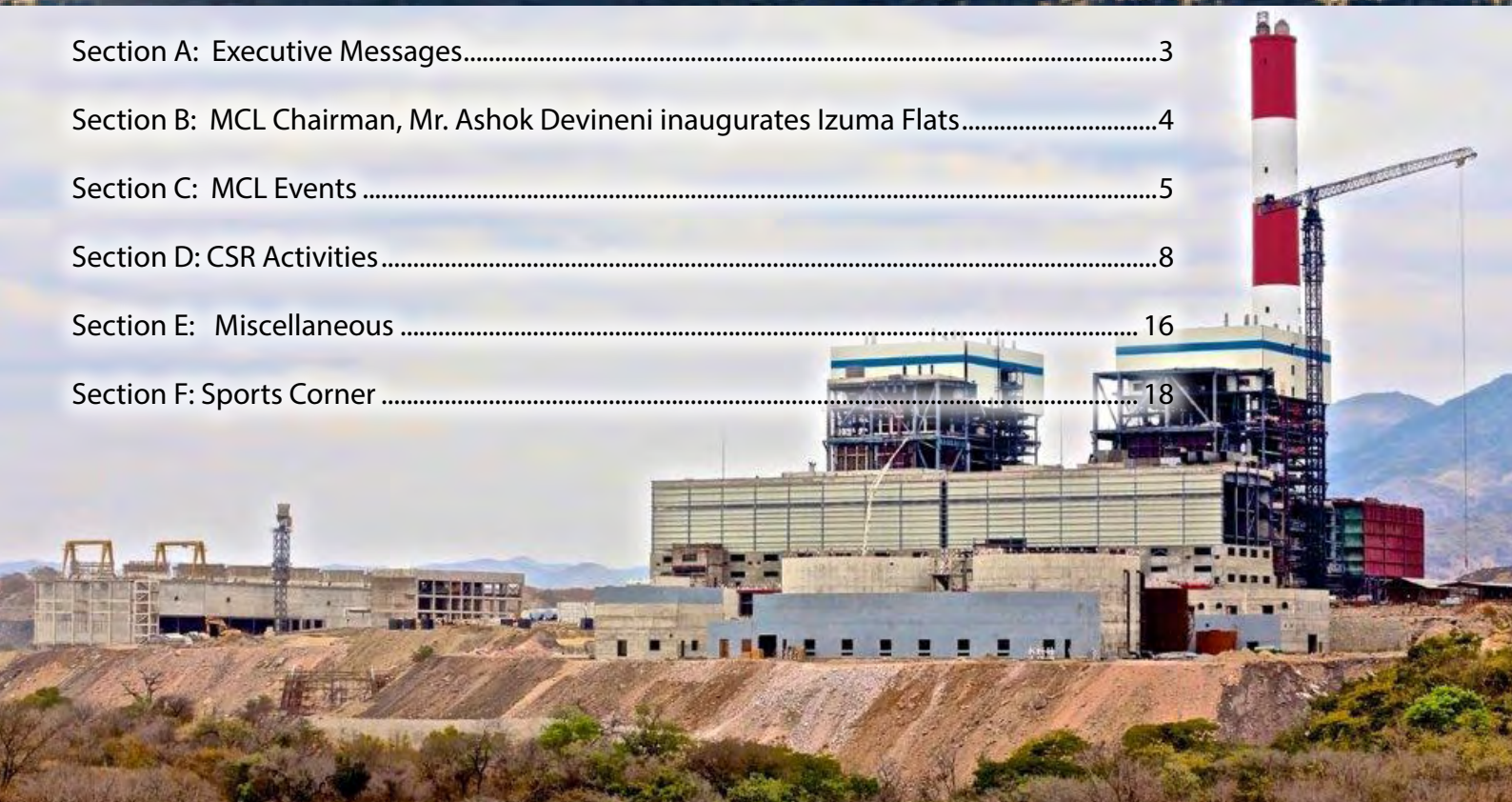
MCL attends EIZ Symposium - 2017

Foreign Military Advisors visit MCL

MCL helps repair Maamba – Batoka Road

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EDITORIAL TEAM

Commodore P J Sudhir (Retd)
 Mayford Chikoya
 Patrick Nalumino
 Jethro Sikalunda



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On the cover

Aerial view of the Thermal Power Plant



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Executive Messages



■ Mr Ashwin Devineni - Resident Director

Foreword by the Resident Director(RD)

Since the time when I first came to Sinazongwe District over a decade ago, I have been witness to the huge changes in this part of Zambia. The cover picture showing the gigantic Thermal Power Plant standing tall best represents this transformation. The rejuvenated mine, new TPP along with the accommodation being constructed in the Township for employees, the newly constructed residences for staff, as well as other residential quarters that have come up since April 2010 when MCL was privatized - all bear mute testimony to the commitment of the management in developing infrastructure in the area. Izuma - a block of flats most recently inaugurated by the Chairperson of MCL, as well as the soon-to-be finished Executive Houses and the planned landscaping of the TPP are all steps in the same direction.

Readers, you may wonder why am I talking about these infrastructure projects. Today, our Thermal Power Plant is capable of generating 300MW of power and has been doing so on demand from ZESCO, who are our off-takers. The increased infrastructure and the fully completed plant has now become the significant landmark of Maamba and the Southern Province which is attracting many important visitors. There have also been many social downstream benefits which have added to the general well-being of Maamba community.

Even as we are proud of our achievements, we would continue to do all that is within our capability to enhance and enrich the lives of the Zambian people.

Ndalumba kapati, Natotela sana, Dzikomo kwambiri



■ Rear Admiral Mr. Venkat Shankar (Retd.) - CEO

Message by the Chief Executive Officer (CEO)

Dear Readers,

As we stride into the first quarter of the New Year, we look to the year with great optimism as the Power Plant has started generating full power from both units which should contribute substantially to the reduction of powers cuts which had plagued Zambia last year. It is very satisfying to see the hard work over the last four years yielding 'fruits' in the form of electricity. MCL has been receiving lot of compliments from all sections of the society and attracting positive publicity.

Needless to add, there is more work to be done on many other fronts particularly in improving our roads, water supply and other infrastructure available in Maamba. These would remain the focus of MCL in the near term while we continue to apply ourselves to take over the TPP and start running it with our O&M team. Naturally, these tasks would demand that we work closely as a team, cooperate with our stakeholders and synergize our efforts for achievement of our collective aim.

I expect, as always, the MCL team to rise to the occasion!

MCL Chairman, Mr. Ashok Devineni Inaugurates Izuma Flats



Maamba Collieries Limited is slowly but surely improving the face of Maamba Township. New staff accommodation is being constructed in the Township. This is an addition to other residential quarters that have been constructed since April 2010 when MCL was privatized. The operation and maintenance of the power plant requires a large number of engineers and it is necessary that they be offered suitable and comfortable accommodation so that they can do their job efficiently. The flats called 'Izuma House', shown below were inaugurated by MCL Chairperson, Mr. Ashok Devineni, on 14th January, 2017. The inauguration ceremony was witnessed by senior members from Corporate Office, in Hyderabad, as well as the MCL Management Team.

The Chairman was delighted with the quality of workmanship exhibited, especially as the construction was executed as an in-house project.

■ Chairperson of MCL Board, Mr. Ashok Devineni, inaugurating Izuma House on 14th January, 2017



■ Newly constructed Izuma House.

MCL Participates in EIZ Symposium - 2017

By Mr. Thamotharhan Karupiah -
Technical & Commercial Manager - TPP



■ MCL Participants, Mr Ranga Rao, Head TPP and Mr. T. Karupiah, Technical & Commercial Manager TPP

The Engineering Institution of Zambia (EIZ) organized its Annual Symposium on 7th April 2017 at Avani Victoria Falls Resort. The theme of the 2017 EIZ Symposium was “**Industrialisation, Sustainability and Efficiency**”, which was followed by the 61st EIZ Annual General Meeting (AGM) on 8th April 2017.

MCL has been actively participating in events organized by EIZ and given the long-term relationship between both entities, is also one of the event’s sponsors. This year MCL was represented at the Symposium & AGM by Mr. Ranga Rao, Head of Thermal Power Plant (TPP) and Mr. Thamotharhan K. Technical & Commercial Manager – TPP. The Guests of Honour at the Symposium were the Honourable Minister of Mines and Mineral Development, Mr. Christopher Yaluma and Honourable Provincial Minister, Southern Province, Dr. Edify Hamukale, MP.

The Symposium serves as a knowledge-sharing platform, where key industrial players participate and share their experiences as well as hold discussions on technology, innovation and solving societal issues such as energy, water, healthcare, agriculture, mining, SME development and capacity building. After the AGM, EIZ organized a technical visit to Kazungula Bridge on the afternoon of 8th April for the delegates. Kazungula Bridge is a 923-metre long permanent rail and road bridge under construction between Zambia and Botswana over the Zambezi River. During this visit,

the delegates interacted with the Kazungula Bridge construction team and received first-hand information on the construction work, status of the project and technology used.

The EIZ Symposium and AGM ended with a Gala Dinner event at the Avani Victoria Falls Resort on the evening of 8th April 2017. The Guest of Honour at the Gala Dinner was the Hon’ble Minister of Mines & Mineral Development, Mr. Christopher Yaluma. During the speeches, Mr. George Sitali, President EIZ expressed his appreciation of MCL for its continued support to EIZ & Zambia. In recognition of MCL’s contribution to the EIZ Symposium and AGM, MCL EIZ was awarded a Certificate of Recognition and memento by the Hon’ble Minister Mr. Christopher Yaluma.



■ Mr. Ranga Rao, Head of Thermal Power Plant and Mr. Thamotharhan K. Technical & Commercial Manager – Thermal Power Plant with Hon. Christopher Yaluma at the 2017 Engineering Institution of Zambia symposium



Southern Province Minister visits MCL

The Provincial Minister for Southern Province, Honourable Dr. Edify Hamukale, visited the Mine on Saturday 4th February, 2017. He was accompanied by the Sinazongwe District Commissioner, Mr. Protacial Mulenga and other Senior Government Officials from within the Province. He was received by the General Manager (Mining), Mr. David Vijayakumar and other senior staff members at MCL.

A detailed presentation on the Mining Operations, Thermal Power Plant, Resettlement Action Plan, CSR and Human Resource issues was made to the Honourable Minister to give them an idea of MCL's operations.

The Minister was impressed with MCL's investment and CSR Activities the Company had so far undertaken. Particularly, he was pleased to note that the Company had recruited engineers as a way of transferring skills to Zambians for such an important project. The Minister was equally pleased with the MCL Training Centre's programmes of empowering the youth in various activities that are meant to sustain their livelihood. Further, the Minister was pleased with the Company's compliance with the requirements of the Labour Law, environmental issues and other statutory

requirements. In addition, the Minister was happy with the creation of about 2,000 job opportunities, currently, as a result of the TPP Project.

MCL Management briefed the Minister on some of the challenges the Company was facing such as the poor state of the Maamba – Batoka Road. The Minister assured the Management that he will engage the Road Development Agency (RDA) to try to find out the plans the Government had on the said Road.

The Minister appealed to MCL to continue reaching needy communities in the provision of various facilities by way of extending its CSR Activities to other parts of the district. He bemoaned the status of Namafulo Border Post at the Zambian – Zimbabwean Border (within Sinazongwe District), especially the communication systems between the two countries. He said, if the said border post developed better infrastructure and communication, it would enhance trade and tourism between Zambia and Zimbabwe. He requested the Immigration Department and MCL Management to discuss means and ways of improving certain facilities at the said border post.

MCL Staff Commemorates International Women's Day

The Female staff of MCL joined the rest of the world in commemorating International Women's Day that is celebrated throughout the world on the 8th March of each year. MCL sponsored their participation by buying them attire and meeting the cost of their meals during the commemoration day.

The ladies displayed and explained various activities they undertake in MCL.



Women's Day



Foreign Military Advisors Visit MCL

■ Foreign Military Advisors pose for a photo with MCL Management during the visit to MCL

A delegation of Foreign Military Advisors visited MCL on Wednesday, 22nd February, 2017. The diplomatic delegation informed MCL that the visit to the Mine was part of its annual schedule, where the group visits selected institutions of cultural, social and economic importance. The delegation comprised officers from Botswana, South Africa, Malawi, Namibia and Zimbabwe.

The delegation was given a Boardroom presentation before embarking on a conducted tour of the Mine, the Vocational Training Centre and the Thermal Power Plant.

The group expressed admiration at the investment at MCL, the manner in which MCL had resettled the Project Affected Persons and the CSR Activities MCL was undertaking within the community.



■ Foreign Military advisors being addressed by the CEO, Rear Admiral Mr. Venkat Shankar (Retd.)

Project Affected Persons (PAPs) Graduate in the Livelihood Restoration Training Programme

The 1st batch of PAPs that have been trained in Tailoring and Carpentry held its Graduation Ceremony at Maamba Youth Projects Centre (Catholic Church – Maamba) on Wednesday, 18th January, 2017. The ceremony was graced by Mrs. Sharmista Ashwin, spouse of the Resident Director, who was the Guest of Honour. MCL Management was represented by General Manager – Mining, who was accompanied by the Human Resource Manager and MDT Manager. Officials from the Monze Diocese, local church leaders and family members of graduating students were also in attendance.

It was a breath taking event to see elderly women, some in their late 50s taking the stage and stealing the show in glamorous outfits, cut, designed and tailored by themselves. It was difficult to believe that these women have never had any exposure to sewing or stitching before.

All graduating students received Certificates of Completion.

It is anticipated that skills received by the PAPs will help them to improve their livelihood in one way or the other.

Training of the second batch of PAPs is currently underway.

The training is part of the intervention measures MCL has put in place to impart skills to households that have been resettled following the expansion of mining activities and the construction of the Thermal Power Plant and its related infrastructure.

MCL has signed a two (2) year Memorandum of Understanding (MoU) with Monze Diocese, to train PAPs in Tailoring, Cutting and Design, as well as, Carpentry and Joinery at Maamba Youth Project.



■ Some of the PAPs displaying their products during the Graduation Ceremony

Project Affected Persons (PAPs) advised to conserve vegetation

Indiscriminate cutting down of vegetation can have serious consequences to nature. In view of reports of uncontrolled cutting down of trees near the RAP Site, and the illegal use of open spaces at the same place, a meeting was held with the Project Affected Persons (PAPs) on Thursday 16th March, 2017 to sensitise them on the need for them to follow specified procedure on the two issues. The Welfare Committee at the RAP Site was advised to ensure that the PAPs do not unnecessarily cut down trees.



■ Environmental degradation

MCL Hands Over Resettlement Clinic to the Ministry of Health

MCL Management handed over the RAP Clinic to the Ministry of Health – Sinazongwe District on Tuesday, 24th January, 2017. The Ministry of Health has so far seconded 2 nurses, 1 watchman and a helper to run the RAP Clinic.

During the handover ceremony, MCL Management thanked the resettled households for the cooperation extended to MCL during the period it ran the clinic. MCL Management appealed to the residents to cooperate with the Ministry of Health staff that had taken over the running of the clinic.

The move has brought cheer to the PAPs and other community members that live around the Resettlement Village as the clinic will provide other essential services, just like any other Government run clinic.

The Community members from the RAP Site

thanked MCL Management for finally handing over the facility to the Ministry of Health. More importantly, the residents were excited because the long awaited handing over of the clinic meant that they would no longer need to walk to Maamba Hospital for minor ailments, but would instead receive medical attention within the vicinity.

The clinic was constructed and equipped by MCL as part of its CSR activity. The three-room clinic has a counseling room, a detention room and a dressing room to attend to injuries. A large waiting area has also been provided for community members.

The Human Resource Manager, Civil Manager and Maamba Development Trust Manager represented MCL, while the District Health Planning Officer represented the Ministry of Health.

Lenders Visit MCL

Lenders to the project from various lending institutions visited MCL on Thursday, 2nd March, 2017, to acquaint themselves with developments at MCL, especially the Thermal Power Plant. The team was given a conducted tour of the Vocational Training Centre, the Pit and the Thermal Power Plant. The team expressed satisfaction on the investment at MCL as well as how the Project Affected Persons were resettled

and the skills being imparted to them through the Livelihood Restoration Programme initiated by the developer (MCL). In this regard, the team visited the Company School (Maamba Private) and Catholic Youth Projects, where Project Affected Persons are receiving Livelihood Training Programmes in Cutting and Tailoring and Carpentry & Joinery. The lenders interacted with the trainees and trainers.



■Lenders visiting Maamba Youth Project to interact with PAPs undergoing training in Carpentry & Cutting and Tailoring being welcomed by Sister Mary (in charge of the Training Centre).

In line with its CSR Policy, MCL has constructed and handed over a modern ablution block to Mweela School. The District Education Standards Officer (DESO) represented the Ministry of Education.

MCL was represented by the HRM, Civil Manager and Community Services Officer. The ceremony was also attended by Headman Mweela and a few parents.

The DESO thanked MCL for constructing a modern Ablution Block at the school. In her vote of thanks, the School Head Girl thanked MCL for the facility. She further appealed to MCL to consider electrifying Mweela School, since modern education hinged on computer knowledge.



■ Lenders interacting with trainees in the Tailoring (above) & Carpentry Training Workshop (beside).

■ Ablution block at Mweela School



■ Mweela School Head Girl giving a speech during the handover ceremony of the ablution block



CEO Open Forum

■ Employees being addressed by the CEO during the Open Forum

As part of stakeholder engagement, the CEO addressed employees through an Open Forum held on Thursday, 9th February, 2017. Among issues discussed were general state of the Mine, academic performance at Maamba Private School, need for employees to exhibit high integrity and status of the Thermal Power Plant.

The CEO answered several questions from employees. In particular, the employees wanted to know what the Southern Water and Sewerage Company (SWASCO) and MCL were doing to ensure good quality of water being supplied to the community. Further, the employees expressed

concern over lack of spare parts and sometimes, delayed availability of spare parts for certain mining equipment and also the need for the Company to motivate workers.

The CEO assured the employees that MCL, as an interim measure, is assisting SWASCO by effecting repairs to filtration unit so that the community would get clean water. The CEO also informed the employees that the two parties (MCL and SWASCO) had been holding meetings to find a long lasting solution to the quality of water being supplied to the community.

Community Members Take Part in a Tree Planting Exercise

As a way of replacing vegetation that might have been destroyed during mine operations and other related activities, MCL has embarked on a mammoth task of planting trees

in selected areas of the Mine. In order to create awareness, community members were requested to take part in the exercise.



■ Community members taking part in a tree planting exercise organized by MCL

MCL Participates in the African Mining Indaba, Cape Town, South Africa

By Scott Phiri – Mine Manager

Investing in African Mining Indaba remains the preferred deal-making platform for mining in Africa, bringing together mining corporates, who seek investments, investors who want to strike deals and Government Ministers who engage both groups to discuss new projects in their countries. Mining Indaba continues its commitment to the African mining community by bringing the largest gathering of mining professionals on the continent. Participation and engagement at Mining Indaba ensures that this meeting yields highly productive business, future projects and an overall advancement of the industry. Indeed, the whole world is connected with African Mining at the Mining Indaba which was held at the International Conference Centre in Cape Town, South Africa.

The aim of MCL's participation in the Mining Indaba was to help the Company to understand the environment in which it is operating as a mining entity, become more aware of other investment opportunities around MCL and to learn from other corporate entities about how they are managing their operations in the face of so many economic challenges brought about by unstable world commodity prices and changing political atmospheres.

The African Mining Indaba is an annual event and was attended by more than 2,000 participants and resource persons from many countries across the continents including Zambia. Zambia was represented by the Minister of Mines and Mineral Development, ZCCM-IH, Investment unit of the Ministry of Mines and Mineral Development, various mining groups and investment bodies in Zambia, individuals and Maamba Collieries Limited. World-class mining groups, Financing Groups and Banks were also present.

Various discussion panels and presentations were arranged. There was also a large exposition room at the Centre where various countries, companies and the business world were exhibiting, marketing and selling



■ Mr. David Vijay Kumar, GM Mining MCL at the Indaba

their services and products in order to capture would-be investors and business interests. Several companies and service providers serving the mining industry were displaying at their stands their goods and services.

The General Manager-Mining, Mr. David Vijayakumar and Mine Manager, Mr. Scott S Phiri represented Maamba Collieries Limited at the Indaba.

MCL's participation in African Mining Indaba from 5th February 2017 to 10th February 2017 was a great success and highly motivating and rewarding. It provided MCL a chance to interact and exchange ideas surrounding MCL's investment and helped MCL to plan for sustainability of its business. The Indaba has become the centre of the mining industry in Africa over the years and is a keenly awaited annual event.



■ At the International Conference Centre, Cape Town.



■ Project Affected Persons marching into the Graduation Hall

■ PAPs' children displaying attire designed, cut and tailored by their parents



■ MCL Manager – Civil, Mr. Panthulu (in blue shirt), explains the extent of works to the Area MP, Hon. Sialubalo, (in brown jacket) after MCL deployed its equipment to repair the washed away Maamba – Batoka Road on 8th February, 2017.



■ MDT Manager hands over the Handover Certificate of the RAP Clinic to Sinazongwe District Health Planning Officer, Mr. Breven Mapepula on 24th January 2017.

■ Lenders' meet - being addressed by PS Energy (Acting Minister of Energy and Secretary to the Treasury in attendance)



■ Back filling of the washed away Maamba – Batoka Road

■ MCL repairing a cut away Maamba – Batoka Road on 8th February, 2017



MCL welcomes new members



■ Ms. Nalishebo Simunji

Nalishebo Simunji joined MCL as an Internal Auditor after working for 3 years 4 months at one of the “big four international auditing firms”, Deloitte & Touché-Zambia. She has come to the company with experience in governance and internal controls having audited Zambia and Africa’s largest organizations in a multicultural environment.

She was born and brought up in Maamba and did her primary school at Maamba Private School. She then went to St Joseph’s Secondary in Chivuna, Monze where she did her secondary school and later proceeded to The Copperbelt University where she was awarded a Bachelor’s degree in accountancy in the year 2013. She is currently pursuing ACCA and is a member of the Zambia Institute of Chartered Accountants (ZICA).

She is hard working, goal oriented, innovative, disciplined, optimistic and committed about achieving best results at all times. She is excited to be part of the Company and aims at making an impact so as to add value to the company’s internal control systems.



■ Thamostrarhan Karupiah

Thamostrarhan Karupiah is a graduate in Electrical Engineering (B.Eng.) and a MBA with over 13 years of experience in developing and managing international investment projects. He has worked in Malaysia, Indonesia and Laos for projects specializing in energy sector, commodity trading, agriculture, mineral explorations and mining. He is experienced in project acquisition, due-diligence, negotiations of project documents/contracts, managing cross-cultural team through leadership, liaison with various government agencies and project stakeholders. Prior to joining Maamba Collieries Limited, Thamostrarhan worked as a Project Manager for 150 MW hydropower project in Laos, where he was involved in all facets of the business. He is a certified Prince 2 Registered Practitioner in Project Management. Thamostrarhan joined Maamba Collieries Limited in February 2017 as Technical and Commercial Manager – Thermal Power Plant. His goal is to enhance his skills and to contribute to the projects he is involved.



■ PJ Sudhir

PJ Sudhir - a Submariner and Operations Specialist by profession, joined Maamba Collieries Limited as Head Corporate Affairs, Lusaka Office in February 2017 after over three decades of distinguished service in the Indian Navy. In the last 17 years, he has served as the Head of various organizations - responsible for strategy formulation & development, administration and management of budget, human resources as well as optimal utilisation of capital-intensive assets. His domain knowledge coupled with hands-on experience in liaison between governmental departments will help in achieving organizational goals. He has demonstrated expertise in HR as well as Management of Resources in a multi-cultural and diverse set-up, including Administration, Training, OD & Business Process Re-engineering and Change Management. With around 33 ½ years leadership experience at every level, he is skilled in team building as well as motivating individuals & groups. He looks forward to an enriching tenure at MCL and seeing the company footprint grow in Zambia and internationally.

MCL helps repair the Maamba - Batoka Road

The Zambezi Valley, in which Maamba Township is located, is prone to drought. However, during the 2016 – 2017 rainy season, the Zambezi Valley can boast of having a fair share of the rains, much to the delight of the people of the valley. The 2016 – 2017 rainfall, though welcome, left a trail of destruction in certain parts of Sinazongwe District.

The washed away Maamba – Batoka Road, could possibly be one of the most severe catastrophes that hit Sinazongwe District during the 2016 – 2017 rainy season. The washing away of the Maamba – Batoka Road during the month of February left

Sinazongwe District completely cut off from the rest of the country. A trip from Sinazongwe District to Choma or any other town was a nightmare!

In line with its Corporate Social Responsibility (CSR) Policy, MCL rose to the challenge and deployed its equipment and personnel to repair the damaged road, a move that cheered the road users.

MCL wishes to reiterate its commitment to addressing community problems.



■ Washed away Maamba – Batoka Road



■ Motorists stranded along Maamba – Batoka Road after the road was cut off due to severe rains

MCL Celebrates ZAMCOAL Diggers Football Club Promotion

Following ZAMCOAL Diggers Football Club's qualification to Football Association of Zambia (FAZ) Division One South, MCL hosted a party for the team. Further, as a way of appreciating the team's achievement, each player was given a token of appreciation, while some players that had performed exceptionally well were given an extra K200.00 each.

During his address to the players, the CEO praised the team for its deserved victory. He assured the team of the company's continued support.

Maamba Community has pledged its support to the team as it plays in a high division.

ZAMCOAL Football Club has an impressive past record, where some of its players, for example, late Edmond Mumba, Honor Janza, Spencer Sautu, Vesper Janza, Charles Muntanga and Toaster Nsabata, excelled up to Zambian National Football Team.






Maamba Collieries Ltd


EMPOWERING ZAMBIA


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

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