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MCLNews

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Maamba Collieries on schedule with power plant construction



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- Maamba Collieries launches free medical camps
- Nava Bharat invests USD 500,000 in the construction of the Eye Hospital at UTH
- University students complete a month-long industrial attachment at MCL



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Editorial

Taona Kalunga

Janardhan Lavu

Gurram Venkata Narayana (Patron)

Andrew Tembo

Design & Layout: Oscar Chisenga

Passmore Mwakiposa

Jethro Siakalunda

FREE MEDICAL CAMP AT
SINANKUMBI VILLAGE
ON
5TH MAY 2013 BY MCL



Foreword by the Resident Director Ashwin Devineni

Dear readers, it gives me maximum satisfaction that you have continued to interact through our newsletter, the MCL News.

Our coming on the Zambian scene has motivated us to further scale-up social corporate responsibility. I strongly believe that without the members of the community, our investment will not be worthwhile.

This is exactly the reason why Maamba Collieries has so far spent ZMW 4,429,080 (USD 820,200) on our communities.

Additionally, in-order to assist with improving eye-care in Zambia, Nava Bharat Ventures (parent company) contributed ZMW 2,700,000 (500,000 USD) for the construction of the Eye Hospital at University Teaching Hospital, Lusaka.

We are always driven by the passion to care for the people. Our vision to meet this aspiration was pronounced within the first year of our coming to Zambia.

Let me state clearly that the power generation plant we are constructing in Maamba is for the people of Zambia. It will help tackle the power deficit problem that the country currently faces. Increase in power generation capacity will also attract further investment into the country, which will in-turn increase job-creation and employment within Zambia.

Thank you!

Ashwin Devineni



Nava Bharat Chairman Ashok Devineni with one of the ministers' spouse lead the way to the conference hall for a meeting. Behind is MCL Resident Director Ashwin Devineni

Maamba mine carries environmental vision ahead



Clean environment at the active mining area

Looking back and ahead; the MCL perspectives

MCL is fast repositioning its mining capabilities to increase productivity beyond its projected 800,000 tonnes of coal per year. This will be done through recapitalisation. In the recent years productivity dropped substantially for over a period of time until MCL invested in revamping systems. Previously, lack of investment in the mine generally affected productivity and the welfare of the people of Maamba to a larger extent.

The Government of the Republic of Zambia seeks to advance the social and economic development

through private sector investment, is the main thrust for the people of Sinazongwe in response to the government policy to create meaningful jobs.

Maamba Collieries Limited (MCL) is jointly owned by the Government of the Republic of Zambia which holds 35 per cent shares through the ZCCM-Investment Holdings. Nava Bharat of Singapore, on the other hand, holds the remaining 65 per cent shares.

For many years, MCL has operated as a loss-making entity because it was regarded as a service provider

posture of Sinazongwe district and, to some extent, that of Southern province.

With the new investment, the economic turn-around for the district and company have come forth with the new owners investing USD 800 million to modernise the mine and precipitate economic fortunes of the province and particularly that of Sinazongwe.

Presently, about 30 per cent of the combined works related to the construction of the power plant have been achieved and



MCL before privatisation



MCL after privatisation

of Zambia and as a matter of policy has encouraged the development and value-addition to natural resources such as coal.

The development of electricity generation plant using coal,

for industries that were powered by coal. As such profit-making was not on its development plan.

In the most recent years especially after the 1990s, massive retrenchments followed which affected the general economic

the construction works have been intensified in order to meet the deadline of October 2014 when the company will contribute the first 150 Mega Watts of electricity to the national grid.

Maamba Collieries on schedule with power plant construction



Maamba Collieries Limited (MCL) is on schedule with the construction of the USD 800 million coal-powered thermal electricity generation plant at its site in Sinazongwe District of Southern province. The construction of the first ever coal plant in Zambia is being fast-tracked via the fifteen contracted companies that are carrying out shared and specialised works ahead of the October 2014 next year when the plant will off-load its first power Mega Watt to the Zambian population through Zesco limited.

SEPCO Electric Power Construction Company is the Engineering Procurement and Construction (EPC) contractor for the construction of the main power plant. The company was given a Notice To Proceed (NTP) on 26th March, 2012 and has done massive work since then.

There are two units under construction at Maamba. One is expected to be completed in October 2014 while the second one would be commissioned early 2015.

The company has also been engaged to construct a 330 KV double circuit transmission line from Maamba to Muzuma sub-station owned by Zesco limited. This is the point at which Maamba Energy Coal plant will offload its power into the national grid.

The double circuit transmission line will run a total distance of 46 kilometers from Maamba to Muzuma.

Maamba Collieries Limited is located in the southern province of Zambia in the mining town of Maamba about 352km from the capital Lusaka.

The company was incorporated as a limited company in 1971 under the ownership of the Government through the Zambia Industrial and Mining Corporation (ZIMCO).

Implementation Agreement between Government of the Republic of Zambia through the Ministry of Energy and Water Development and Maamba Collieries was signed on 16 September 2011.

The Zambian Government selected

Nava Bharat as the strategic and technical partner for ZCCM-IH to revamp and develop the existing Maamba Coal Mine for the purpose of producing and supplying coal to the new coal-fired power plant and selling coal domestically and internationally.

The project will be developed under Public Private Partnership (PPP) with ZCCM-IH) representing the Government of Zambia. This was done on a Build, Own and Operate (BOO) basis.

The project will have an installed capacity of 300MW at an estimated cost of USD800 million.



The Chimney for the Thermal Plant currently under construction in Maamba

University students complete a month-long industrial attachment at MCL

TEN students from the University of Zambia, on Saturday May 4, 2013 completed their one-month long hands-on training at MCL headquarters.

The students were at MCL for about 30 days for their industrial attachment and to monitor the construction of the USD 800 million coal electricity construction project as part of their practical experience.

The company feels greatly

honoured to help the students acquire the necessary skills as they seek jobs in the competitive field of engineering.

Training of students through attachments was aimed at exposing them to real mining engineering work and strengthen their career.

Ahead of their departure, Maamba Collieries Chief Operating Officer Gurram Venkata-Narayana challenged the

graduating students to consider investing more in their practical skills instead of putting financial benefits as their priority.

MCL is in the process of constructing a coal-powered electricity generation plant in Maamba with the aim of contributing 300 Mega Watts in the initial stages but it is envisaged that another 300 MW will be commissioned afterwards depending on demand.



Some of the UNZA Engineering Students during their tour of duty in Maamba

1,280 Maamba residents screened and treated during the MCL-sponsored free medical camp



CSR (MCL sponsored Free Medical Camp)

By Staff writer

A total of 1, 280 residents in Sinazongwe district were screened and treated during the two free medical screening and treatment camps that were sponsored by Maamba Collieries Limited.

The company screened and treated 873 citizens on Wednesday May 15, 2013. Out of the 90 malaria tests carried out, 45 were positive and provided with treatment by the medical team.

The same number of people was

tested for malaria during the earlier medical camp at Sinankumbi primary school in May when, again 45 of them tested positive to malaria.

For MCL, this is an indication that malaria cases need more attention and it is a challenge that we must do more. The company does not intend to stop this exercise because corporate social responsibility is high on the list of our priorities.

The company is grateful that His Honor the Vice President Dr Guy Scott

delivered an inspiring message when he addressed the people and also for the presence of his wife Charlotte who was the guest of honor.

Maamba Collieries Limited also donated 250 high quality blankets to Maamba hospital and they were handed over to the hospital management by Mrs Scott.

Cervical cancer screening and eye tests would form part of the next phase of the medical camp following the huge demand for the two services.

MCL is aware that many services need to be provided to the community in and around Maamba and we want to make a genuine effort to provide them in due course but what makes us happier is that the exercise has started. The beneficiaries of the program were particularly impressed with our initiative to meet the health needs of the community.

Statistics from the Sinankumbi Medical Camp

CATEGORY	ADULT	YOUTH	CHILDREN	TOTAL
	15 +	6 YRS - 14	0 - 5 YRS	
MALE	68	36	57	161
FEMALE	145	55	44	244
TOTAL	213	91	101	405

Free medical screening in pictures



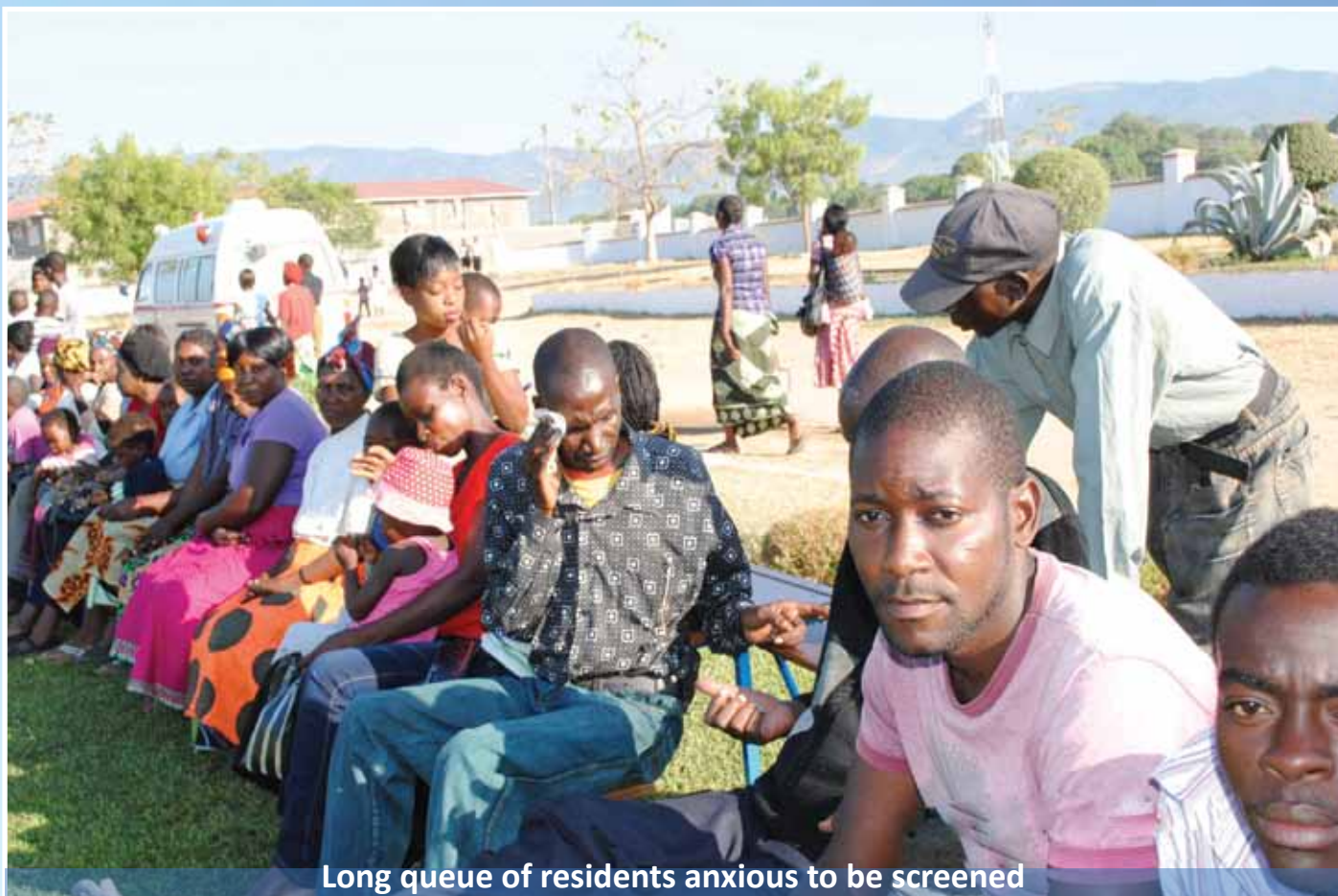
Part of the crowd that turned up for the free Medical Camp on wednesday, May 15, 2013 at Maamba Private School. Maamba Collieries is owned by Nava Bharat Ventures Limited.



Doctor G. K Jain from Choma with a nurse on duty attending to patients in Maamba

Continued from page 9

1,280 Maamba residents screened and treated during the MCL-sponsored free medical camp



Long queue of residents anxious to be screened

The decision to sponsor a free medical camp at Maamba private school is in line with the company's Corporate Social Responsibility (CSR) to reach out to the underprivileged people in the communities.

MCL wishes to express sincere gratitude to the doctors and the rest of the medical team that worked long hours to ensure that all the patients that turned up for treatment got the attention they needed.

The launch of the programme was witnessed by 15 Ministers' spouses, led by Mrs Scott. Later in the day, the community was joined by Dr Scott who was accompanied by Southern Province Minister Hon. Daniel Munkombwe, Deputy Minister of Commerce, Trade and Industry, Hon. Richwell Siamunene, who is also Sinazongwe Member of Parliament.

Also in attendance at the event was Maamba Collieries Limited Board

Chairman Mr. Ashok Devineni, Resident Director – Mr. Ashwin Devineni and other MCL members of the Board of Directors and MCL Management.

Receiving the donation on behalf of the club, Mrs Scott appreciated the gesture and said "Thank you for the generous donation to our club."

"We will put it towards our programme of rehabilitation of mothers' and relatives' shelters at Provincial hospitals throughout the country."

"The shelters to be constructed by the Ministers' Spouses Club will allow expectant mothers and relatives attending to patients to be accommodated at the hospital, which is particularly necessary for more serious cases that are referred from district level facilities," Mrs Scott added.

Maamba Collieries mobilized four medical doctors for the exercise covering four (4) areas that included gynecology, surgical, dental and general body conditions.

The Surgeon attended to 73 cases of mainly hernia and growths. Out of the 73 cases, 13 were recommended for operation and further attention at Maamba Hospital.

The Gynecologist attended to 74 cases out of which 5 were referred to Monze General Hospital while the Dentist saw 44 cases and most of them were referred to Maamba hospital for teeth extraction.

The forward-looking free mobile medical screening and treatment initiative seeks to add another profile to the wide-reaching corporate social responsibility programme of MCL.

Earlier, another medical camp was launched on Sunday May 5, 2013 at a

distantly located village of Sinankumbi where 405 residents were screened and treated of various ailments.

The company has a registered Maamba Development Trust which is responsible for coordinating, financing and managing various activities for the benefit of the residents.

This is meant to reach out to the vast majority in villages who are not able to reach health facilities due to long distance, lack of finances, old age and other limiting factors.

The launch of the programme in Sinankumbi was witnessed by a senior government official, the deputy minister in charge of Commerce, Trade and Industry Hon Richwell Siamunene who is also the Member of Parliament for the local constituency, Sinazongwe.

Others in the delegation were Mr Dodo Sindaza who is Sinazongwe District Commissioner, Dr Chilembo the Sinazongwe District Medical Officer, Mr Cliff Siachibweka,

Sinazongwe Council Chairperson, Mr Reuben Kasongola, the councilor for Sinankumbi Area and several headmen from within Sinankumbi area.



A nurses on duty attending to patients in Maamba



MCL Resident Director Ashwin Devineni with Charlotte, wife of his Honour the Republican Vice President Dr. Guy Scott at the free Medical Camp

Maamba free medical camp in pictures



Ministers' spouses arriving for the free Medical Screening and Treatment in Maamba



Medical team on duty



Part of the queue at Maamba



A nurse attending to a patient at Maamba



Left to right: Southern Province Minister Hon. Daniel Munkombwe, Republican Vice President Dr. Guy Scott, his wife Charlotte, Sinazongwe DC Dodo Sindaza, Commerce Deputy Minister Richwell Siamunene, MCL Resident Director Ashwin Devineni and MCL Head of Corporate Affairs Janardhan Lavu at the Free medical Camp in Maamba on 15th May, 2013

The Eye Clinic at the University Teaching Hospital, in Lusaka, Zambia funded by Nava Bharat Ventures Limited at a Cost of USD 500,000.



Nava Bharat Ventures Limited — which owns 65% shares in Maamba Collieries Limited (MCL) — has invested ZMW 2, 700,000 (USD 500,000) in the construction of the Eye Clinic in Zambia’s capital, Lusaka as a major step towards its wide-reaching Corporate Social Responsibility (CSR).

The company has chosen Health and Education as focus areas for discharging investment in the needs of the community.

Nava Bharat has specifically identified Eye Care as a pressing need of the society and decided to support organizations providing high quality eye care.

LV Prasad Eye Institute (LVPEI), which has been rendering world-class eye care services in India, has therefore been a natural choice to partner with. Nava Bharat has been supporting LVPEI in its various activities since inception and this support has now been extended to Zambia.

Nava Bharat’s association with Operation Eyesight Universal (OEU), which is the implementing organization on behalf of Nava Bharat in this project, began with the establishment of Bhubaneswar Eye Institute by LVPEI in the State of Odisha, India, in which Nava Bharat too is a major donor.

When we entered Zambia as a joint venture partner with the Government of Republic of Zambia, to revive Maamba Collieries Limited, we were happy to find OEU already active in the area of eye care in Zambia. Through OEU, we learnt about the project for establishing an Eye Centre at the University Teaching Hospital (UTH) in Lusaka.

On seeing the existing facilities at UTH, we realized the dire necessity for an Eye Centre there and immediately agreed to make the donation. Normally, we initiate our CSR ac-



UTH Eye Specialist and Consultant Dr. Grace Mutati attending to one of the patients at the MCL Sponsored Eye Clinic in Lusaka, Zambia

tivities after establishing business operations but, in view of the imminent need, the company made an exception in this case and made the contribution in the very first year of MCL’s presence in Zambia.

MCL is greatly honoured to be a partner in the construction of this Clinic.

The company is happy at the huge number of people being treated everyday.

In the first quarter of 2012, about 1,835 patients were treated at the clinic but this been rising steadily to 3,898 in the first quarter of 2013.

UTH Eye specialist and Consultant Dr Grace Mutati is appealing for further funding to complete the second phase of the Eye hospital and thanked Nava Bharat Ventures for the donation.

CORPORATE ACTIVITIES UNDERTAKEN

Footbridges

Maamba Collieries has constructed three footbridges for use by the community in and around Maamba Township. Due to the hilly terrain of the land, crossing rivers have always been a challenge during the rainy season.

Among the three bridges that have been constructed, the Kanzinze stream bridge will go down in history as one of the greatest benefits the corporation has given the community especially school children and teachers who before construction of the bridge could not report to school for fear of crocodile attacks.



The Izuma foot bridge which has been constructed by MCL to promote the movement of people in some crocodile infested areas in Maamba.



MCL completes the upgrade of Maamba Kariba road

Maamba Collieries has also upgraded the Maamba Kariba road under its corporate social responsibility.

The road provides a major access route for the residents who use it for their fish trade and other needs. The other road that has been repaired by the company is the one leading to Masuku.

MAAMBA DEVELOPMENT TRUST

By Jethro Siakalunda

Maamba Development Trust (MDT) is a special purpose vehicle, which is an initiative of Maamba Collieries Limited (MCL), set up to spearhead social and economic development in Maamba, Sinazongwe district as a whole and in other areas where Maamba Collieries Limited conducts its business.

Maamba Collieries has dedicated ZMW 16.20 (3 USD) per ton of washed coal sold towards its Corporate Social Responsibility.

Maamba Development Trust runs



Spouses of MCL expatriates and members of staff preparing registration sheets

none core businesses of Maamba Collieries Limited like schools, lodges and major sporting activities like football, golf, and boxing. It is also the responsibility of Maamba

Development Trust to execute Maamba Collieries Limited's Corporate Social Responsibility (CSR) in line with the Maamba Collieries Limited policy.

NOTICE BY MAAMBA COLLIERIES LIMITED

THE QUALITY OF COAL BEING DELIVERED TO OUR CUSTOMERS

It has been brought to our attention that certain unscrupulous individuals are tampering with our coal and selling it on the market as if it originated from Maamba Collieries Limited (MCL).

We wish to state that MCL produces very high grade coal which is subjected to strict technical washing and screening using the latest environmentally friendly Coal Handling and Processing Plant (CHPP).

The coal is carefully washed, screened and stockpiled according to the specific sizes to meet the requirements of our customers.

This notice, therefore, serves to advise our most valued customers to take appropriate measures that will safeguard the coal once loaded onto their assigned trucks in Maamba to their respective destinations.

It is the duty of every transporter/buyer to ensure that the coal that has been loaded is the same coal that should reach the intended destination.

MCL will not accept liability for any coal which is diverted, mixed and tampered with, in any way, between the loading point in Maamba and the place of offloading.

We value you as our customers and hope you will help us to serve you better.

Thank you

MCL MANAGEMENT



PROCESS SERVICES PLANT





MCL WASHED COAL FINES


Coal Product Specifications


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

Product Specifications

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

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

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

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

Maamba Collieries Limited
Head Office
 P.O. Box No.99, Maamba, Zambia

For product enquiries please Contact:

Mr. Taona Kalunga
 Sales and Marketing Manager

Lusaka Office
 Corporate Park
 Plot No. 20849, Alick Nkata Road,
 Mass Media Area
 P.O Box 31197, Lusaka, Zambia
 Tel/Fax: +260 211 256010, Tel: +260
 211 258381
 Mobile: +260 962 565973
 Email: sales@maambacoal.com
 Website: www.maambacoal.com