

NAME OF APPLICANT: MATSAPA TRADING 529 CC

REFERENCE NUMBER: NC 30/5/1/1/2/11 115 PR

ENVIRONMENTAL MANAGEMENT PLAN

SUBMITTED
IN TERMS OF SECTION 39 AND OF REGULATION
52 OF THE MINERAL AND PETROLEUM
RESOURCES DEVELOPMENT ACT, 2002,
(ACT NO. 28 OF 2002) (the Act)

Couments received in terms of the Mineral and Petroleum Resources Development Act, 2002 (Act 28 of 2002) NORTHERN CAPE REGION

0 3 JUN 2014

Bed Sin Said New Y Bed Y

SEPARTMENT OF MINICIPAL RESOLUTIONS

From:

To:0865344538

14/07/2014 13:45

#869 P.002/050

2

STANDARD DIRECTIVE

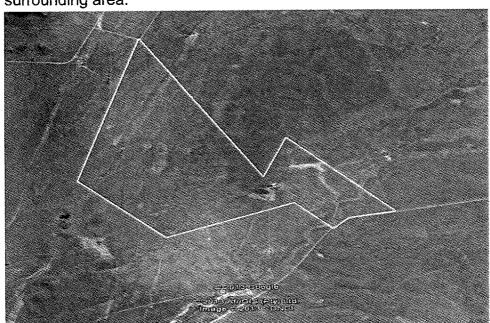
Applicants for prospecting rights or mining permits, are herewith, in terms of the provisions of Section 29 (a) and in terms of section 39 (5) of the Mineral and Petroleum Resources Development Act, directed to submit an Environmental Management Plan strictly in accordance with the subject headings herein, and to compile the content according to all the sub items to the said subject headings referred to in the guideline published on the Departments website, within 60 days of notification by the Regional Manager of the acceptance of such application. This document comprises the standard format provided by the Department in terms of Regulation 52 (2), and the standard environmental management plan which was in use prior to the year 2011, will no longer be accepted.

IDENTIFICATION OF THE APPLICATION IN RESPECT OF WHICH THE **ENVIRONMENTAL MANAGEMENT PLAN IS SUBMITTED.**

ITEM	COMPANY CONTACT DETAILS
Name	MATSAPA TRADING 529 CC
Tel no	
Fax no:	086 613 5827
Cellular no	072 017 9973
E-mail address	komanisi.knowledge@gmail.com
Postal address	PO Box 1539
	KIMBERLEY, 8300

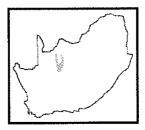
ITEM	CONSULTANT CONTACT DETAILS (If applicable)			
Name	ROCK RUNNER CONSULTANTS			
Tel no	076 186 2984			
Fax no:	086 248 5385			
Cellular no	072 141 4164			
E-mail address	admin@rockrunner.co.za			
Postal address	PO Box 3226			
	KIMBERLEY, 8300			

- 1 REGULATION 52 (2): Description of the environment likely to be affected by the proposed prospecting or mining operation
 - 1.1 The environment on site relative to the environment in the surrounding area.



The total proposed project area is a relatively flat landscape, sloping slightly to the east. There are scattered non-perrennial streams and dams on the application area. The soil layer in this area consists of deep sandy to loamy sand or aeolian origin and is underlain by calcrete.

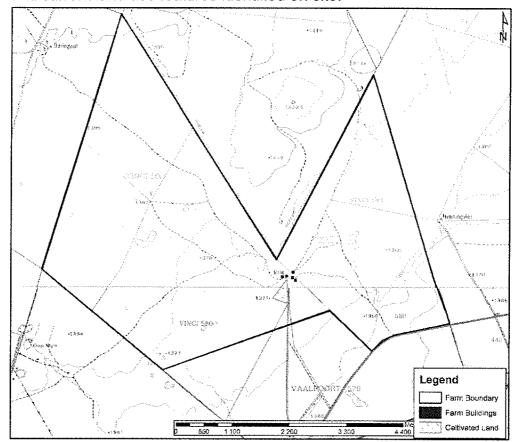
Vegetation within this area belongs to the Kalahari Mountain Bushveld Biome (Biome 31: Low & Rebelo). The tree layers in this area is very poorly developed and include widely scattered individuals of Camphor Tree (Tarchonanthus camphoratus), Wild Olive (Olea



europaea subsp. africana) and Black Thorn (Acacia mellifera subsp. detinens). Depending on the rockiness of the area is the grass layer includes Broadleaf Bluestem moderately developed and Bluegrass (Andropogon amplectens), Hairy (Diheteropogon schirensis) and Velvet Signalgrass (Bachaiaria serrata). The area is very poorly conserved with key economic uses as livestock farming with cattle, goats and sheep.

- 1.2 The specific environmental features on the site applied for which may require protection, remediation, management or avoidance. Several specific environmental features occur within the proposed project area that will need protection, avoidance and or management. They include:
 - Non-perennial streams- need to be avoided during the wet season and care should be taken not to alter/disturbed the streambed.
 - Agricultural land a 50 m servitude needs to be adhered to
 - Farm Stead a 50 m servitude needs to be adhered to
 - Reservoirs a 20 m servitude needs to be adhered to and must be assessable at any given time
 - Non-perennial dams a 50 m servitude needs to be adhered to and must be assessable at any given time
 - Provincial road on the southern border a 50 m from the side of the road on both sides needs to be adhered to.

1.3 Map showing the spatial locality of all environmental, cultural/heritage and current land use features identified on site.



1.4 Confirmation that the description of the environment has been compiled with the participation of the community, the landowner and interested and affected parties.

The description of the environment has been compiled by trained personnel of Rock Runner Consultants and not with the participation of any interested and/or affected parties as the result of public participation was outstanding during the completion of this document.

2 REGULATION 52 (2) (b): Assessment of the potential impacts of the proposed prospecting or mining operation on the environment, socioeconomic conditions and cultural heritage.

To:0865344538 14/07/2014 13:57 #869 P.007/050

7

2.1 Description of the proposed prospecting or mining operation.

- 2.1.1 The main prospecting activities (e.g. access roads, topsoil storage sites and any other basic prospecting design features)
 - Access Roads: The existing roads will be used as far as possible and maintained
 - Mine roads: Mine roads will be limited to existing farm roads and the minimal extra roads will be made should it be deemed necessary. Roads constructed will be done by scraping and no foreign materials will be used for this purpose.
 - Drilling: 16 drill holes will be made by reverse cycle percussion drilling on a grid of 1000m X 1000m. Only one drill hole will be open at a time. As the hole is drilled, samples will be taken on one meter interval and logged by a geologist. The hole will be filled with the remainder in a reversed order as drilled out (last one out, first in). Then the surface will be rehabilitated. The hole will be marked with a white washed rock on top.
 - Bulk samples: One bulk samples will be taken. For each bulk sample a trench of 25 X 50 meter will be excavated.
 - The excavation will be filled with waste, overburden and topsoil, in this order, and sloped to be as close as possible to the surrounding environment.
 - Topsoil, overburden, dumps and stockpiles: the topsoil and overburden will be excavated and separately stored next to the excavation and safeguard till final rehabilitation. Waste dumps will be stored as the different sites were generated, but used for backfilling on a continual basis. Stockpiles are stored near the sorting in the store yard according classification.

Dumping trucks transporting the materials will not run 'empty', meaning that when dumping the stock gravel it will be filled with waste material for backfilling purposes

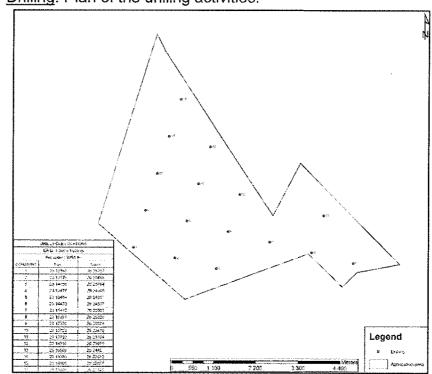
 Storage, maintenance and office sites: All storage, maintenance and office sites will comply with the necessary regulations and specific mitigation measures will also be implemented to minimize environmental risks.

Such facilities may include: Chemical storage, scrap yard, diesel bays, vehicle parking/storage lot, vehicle maintenance yard, chemical toilet facilities and offices.

- Processing plant: The Iron and Manganese will be handled separately. The ore are screened in three different fractions +75mm, (+25 -75mm) and -25mm. The +75mm will be crushed and screened again. The (+25, -75 mm) will be sorted on a conveyer belt to remove the waste, sampling for the grade and then stockpiled to be sold. The -25 mm fines will be used for rehabilitation or sold for construction material. The waste and fines will be transported back to the excavation for back filling.
- Water usage: The water will be obtained from the land owner. Water uses will be potable (human use) and for dust control on the roads. Water will not be used in the mineral processing activities.

2.1.2 Plan of the main activities with dimensions

1. Drilling: Plan of the drilling activities.



 Trenching: A plan of the trenching location is not available at this stage. It depends on the outcome of the drilling programme and results. Only then will the position of the bulk sampling trench be determined.

The main prospecting activities will be conducted in such a way that minimal environmental damage is ensured.

- Access roads: The existing roads will be used as far as possible for access roads and maintained.
- Mine roads: Mine roads will be limited to existing farm roads and the minimal extra roads will be made should it be deemed necessary. Roads constructed will be done by scraping and no foreign materials will be used from this purpose.
- <u>Drilling</u>: 16 holes will be drilled on a dimension of 1000 X 1000 meters and to a depth of 55 meters. The dust obtained from the drill hole will be captured in a plastic tube. The tube will be samples and logged per meter interval. The dust in the tube will be used to fill the whole in the correct order i.e. last out-first- in. The whole will be rehabilitated and marked with a white-washed rock. This will be done with the minimal damage to the environment.
- <u>Bulk samples</u>: One bulk sample will be taken. For the sample a trench of 25 X 50 m will be excavated. The depth depends in the depth of the mineral. The ore will be transported to the plant where it screened into the different fractions. The +75mm ore will be crushed and screen again. The ore will be classified in to the different grades and stored for sales, while the waste will be transported back to the excavation.

The excavation will be filled with the waste, fines, overburden and topsoil, in this order, slopes and rehabilitated to i's as close as possible to the surrounding environment.

Equipment to be used during the prospecting operations includes:

- Drill rig (drill contractor equipment)
- 1X Excavators
- 2X Front end loader
- 3X Dumper trucks
- 1X Crusher

- 1X conveyer belt
- 1X screen
- 1X weight bridge
- Topsoil, overburden, waste dumps and stockpiles: The topsoil and overburden will be stored next to the trench and safeguard till final rehabilitation. Waste dumps will be stored as the plant and transported back to the excavation for back filling, on a continual basis. Stockpiles are stored in the storage yard for sales.

Dumping trucks transporting the materials will not run 'empty', meaning that when dumping the ore, they will be filled with waste material for back filling purposes

 Storage, maintenance and office sites: All storage, maintenance and offices will comply with the necessary regulations and specific mitigation measures will also be implemented to minimise the environmental risks.

Such facilities may include: chemical storage, scrap yard, diesel bays, vehicle/storage lot, vehicle maintenance yard, chemical storage facilities and offices. This area with the processing plant is demarcated to have a footprint of 70X70 meters.

 Water usage: The processing of the mineral do not require water usage as such. Water will be needed for offices, toilet facilities, vehicle maintenance and dust control. The water will be obtained from the landowner and stored in a container on site.

2.1.3 Description of construction, operational, and decommissioning phases.

Construction

Drillina:

The drilling operation is done by percussion drilling. The drill rig is mobile and move from one location to another. No constructions are needed for this phase.

Bulk sampling:

Construction for the bulk sampling operations will be done after the geological investigation and the drilling program is completed and the final locations for the bulk sampling

have been determined. An area of 70 X 70 meters will be cleared of vegetation for the plant, storage and office sites. This site will be clearly demarcated as well as the different structures.

The location of such structures can only be determined once the right has been issued and an in-depth environmental study conducted to ensure the least environmental damage possible.

Operational

Drilling:

16 holes will be drilled on a dimension of 1000 X 1000 meters and to a depth of 55 meters. The dust obtained from the drill hole will be captured in a plastic tube. The tube will be samples and logged per meter interval. The dust in the tube will be used to fill the whole in the correct order i.e. last out- first- in. The whole will be rehabilitated and marked with a white-washed rock. This will be done with the minimal damage to the environment.

Bulk sampling:

During the operational phase a bulk sample will be excavated and the ore removed to the plant site to be processed and stock piled. The following methodological process will be implemented to ensure cost effective mining as well as successful rehabilitation:

- The topsoil and overburden removed by the excavator shall be stored separately next to the excavation for rehabilitation purposes.
- 2. The ore excavated, will be loaded on a dumper truck to be transported to the plant.
- 3. At the plant the ore will be screened into three fractions:
 - o (+75)mm will be crushed and screened again
 - (+25,-75)mm will go to the sorter belt where the waste is sorted out, the grade is sampled and stockpiled according to the grade for sales.
 - (-25)mm is regarded as fines which will be transported back with the waste to the excavation and used for backfilling.

- 4. After all backfilling occurred in the excavation, the walls of hangs of the pit will be sloped. Then the overburden and topsoil shall be evenly spread over the area to finalize the rehabilitation.
- 5. Continuous inspections to the rehabilitated area will be conducted to monitor the re-vegetation rate as well as to remove all invader/pioneer plant species that may establish themselves in the area.

• Decommissioning:

Drilling: When the drilling programme is completed, the drilling contractor will leave the area with all his machinery, The drill holes are rehabilitated completely and the footprints of the drilling truck will be recovered soon by nature.

Bulk sampling:

Once the prospecting activities have been completed the mine will start with the decommissioning and closure phase. During such will all infrastructure and equipment be removed and the compacted ground ripped and rehabilitated. Also will all the mine roads and trampled areas will be ripped, rehabilitated and inspected for vegetation re-growth.

2.1.4 Listed activities (in terms of the NEMA EIA regulations)

- Vegetation clearing plant site establishment and bulk sampling
- Drilling during the drilling process
- Excavating during the bulk sampling process
- Dust and noise generation during drilling, excavation, hauling and ore processing activities.
- Water use use of water for dust compression, offices and maintenance yards.
- Rehabilitation the rehabilitation of affected areas and the recovery thereof.

To:0865344538 14/07/2014 14:04 #869 P.013/050

2.2 Identification of potential impacts

(Refer to the guideline)

2.2.1 Potential impacts per activity and listed activities.

Drilling

- Vegetation loss an area of 1 X 1 meter might be cleared of vegetation at a time for each of the 16 drill holes. The impact can be regarded as low with no long term effects. If rehabilitation of these areas is done correctly full recovery of the environment is possible.
- Noise disturbance During the drilling noise is generated by the drill rig. The noise will be much localised and should have no impact on the local environment.
- o Air quality loss dust will be generated during the drilling process, The dust generated is low and localized. The impact on the environment is regarded as low.
- o Soil pollution chemical soil pollution is always a possibility during mechanical operations. Working machinery bears a risk for chemical spillage and the impact thereof may be severe.
- o Soil compaction heavy vehicles driving off-road bears a risk to the trampling of vegetation and the compaction of soil. Bust this is a once of as the vehicles are continuously moving forward. Regrowth of vegetation is foreseen and the impact low.
- o Littering pollution littering during drilling operations can happen and may have a low to medium impact on the environment depending on the type of littering, the prevention and the remediation thereof.

Bulk sampling.

- Vegetation loss A total area of 1250m² will be cleared for the excavation and 4900m² for plant site establishment. The impact can be regarded as low to medium, with no long term effects. It rehabilitation of these areas is done correctly full recovery of the environment is possible.
- o Noise disturbance During excavation, haling, crushing and screening activities, noise is generated by the

machinery. The noise will be much localized and should not have an effect on the surrounding environment.

- Air quality loss dust will be generated during the excavating, hauling, screening and crushing processes.
 The dust generated may have an impact on the air quality, but it is much localized and should not have an effect on the surrounding environment. For this the impact may be regarded as medium to low.
- Soil pollution Chemical soil pollution is always a possibility during mechanical prospecting activities.
 Working machinery and storage facilities bears a risk for chemical spillage and the impact thereof may be severe.
- Soil compaction heavy vehicles driving off-road bears a great risk to the trampling of vegetation and the compaction of soil. The plant site area will also become compacted during the duration of the mine. If not rehabilitated vegetation re-growth is unforeseen and poses a medium risk to the environment.
- Littering pollution Littering during the mining activities can happen and may have a low to medium impact on the environment depending on the type of littering and the remediation thereof.
- Water pollution chemical contaminated water from the vehicle maintenance and chemical storage facilities bears a risk to the environment. This impact should always be regarded as high and proper mitigation and/or remediation measures should be in place.
- Rehabilitation. This should almost always have a positive impact on the environment depending on the correctness of the rehabilitation process. Proper rehabilitation could negatively impact the environment in the short term, but long term effect may turn out to be positive.

2.2.2 Potential cumulative impacts.

 Soil erosion may occur when vegetation loss is severe and not re-established within a relatively short time period. The main impact that may lead to soil erosion is the loss of vegetation, soil pollution and soil compaction.

 Ground water contamination may occur during the raining season when runoff water enters nearby open surface water bodies. When this runoff water comes in contact with chemically polluted soil the chance for water contamination is high and the pollution of ground water

2.2.3 Potential impact on heritage resources

The impacts on any heritage resources could not be identified nor verified as the Archaeological Report on the First Phase Heritage impact Assessment is still outstanding during the compilation of this report and this can only be done once the mentioned study is conducted and the report thereof received.

2.2.4 Potential impacts on communities, individuals or competing land uses in close proximity.

(If no such impacts are identified this must be specifically stated together with a clear explanation why this is not the case.)

It is not foreseen that the communities, any individuals and/or competing land uses may be directly influences of impacted by the prospecting activities. Most of the identified impacts are much localized and there is no evidence of nearby residing communities.

2.2.5 Confirmation that the list of potential impacts has been compiled with the participation of the landowner and interested and affected parties,

The list of impacts has not been consulted with the participation of the landowner and/or any interested/affected parties. This is due to the outstanding public participation process and the report of such a meeting.

2.2.6 Confirmation of specialist report appended.

(Refer to guideline)

No specialist reports are appended to this document as the required specialist study on the possible heritage resources is still outstanding.

3 REGULATION 52 (2) (c): Summary of the assessment of the significance of the potential impacts and the proposed mitigation measures to minimise adverse impacts.

3.1 Assessment of the significance of the potential impacts

3.1.1 Criteria of assigning significance to potential impacts

The environmental evaluation is done with the assumption that all mitigatory measures and rehabilitation plans have been adhered to (Hacking, 1999).

The preceding list of identified impacts is evaluated hereunder in terms of the following criteria:

SEVERITY - Low negative impact

> - Medium negative impact - High negative impact

DURATION - Short-term

> - Medium-term - Long-term

SPATIAL SCALE - Localised

- Fairly widespread

- Long-term

CONSEQUENCE - Low consequence

> - Medium consequence - High consequence

SIGNIFICANCE

- Low overall significance

- Medium overall significance

- High overall significance

Evaluations are done in terms of the impacts being managed to reduce environmental damage.

LEGEND FOR TABLE

Se = Severity L = Low negative impact D = DurationM = Medium negative impact H = High negative impact SP= Spatial scale pos = Positive impact

C = Consequence

P = Probability

3.1.2 Potential impact of each main activity in each phase, and corresponding significance assessment

ACTIVITY	DESCRIPTION	Se	D	SP	C	Р	Si	
1. CONSTRUCTION PHAS	E IMPACTS	1	-				<u> </u>	
Road construction	Loss of vegetation + habitat	L	L	L	L	L	L.	
Escom line	Loss of vegetation + habitat		NOT APPLICAB					
Plant construction	Loss of vegetation + habitat	L	L	L	L	L	L	
Pipeline installation	Loss of vegetation + habitat	NC	NOT APPLICABL		E.			
Offices	Loss of vegetation + habitat	LLLL		L	L			
2. OPERATIONAL PHASE	IMPACTS					_	_	
Mining	Geological degradation	L	L	L	L	Н	Н	
Disposal	Topographic change - dump	L	L	L	L	L	L	
Mining	Topographic change - pit	Н	Н	L	Н	Ξ	Н	
Mining	Soil pollution - accidental spills and leakages	L	L	L	L	L	L	
Operation	Soil pollution (workshop, store, parking)	L	Γ	I	L	L	L	
Operation	Loss of grazing	L	L	L	L	T	L	
Operation	Loss of/ disturbance to plants	L	L	L	L	L	L	
Extraction of groundw ater	Depressed water table	ressed water table NOT APPLICA				BL	E	
Operation	Problem plant invasion	L	L	L	L	L	L	
Operation	Effect on animals	L	L	L.	L	L	L	
*Waste w ater disposal	Water regime (regional)	NC)T A	PPL	ICA	BL	E	
Mining	Noise (earth moving equipment and crushers)	L	L	L	L	L.	L.	
Operation	Air quality: Dust - Transport	L	L	L	L	L	L	
Operation	Air quality: Dust - Crusher	L	L	L	L	L	L	
Mining	Noise - blasting nuisance - regional	NC	T A	PPI.	.ICA	BL	E	
Mining	Noise - blasting nuisance -personnel	NC	T/	\PPL	.ICA	BL	E	
Mining, operation	Loss of archaeological items	L	L	L	L	L	L	
Operation	Sensitive landscapes	L	L	L	L.	L	L	
Mining	Visual impact	L	L	L	Ļ	L	L	
3. DECOMMISSIONING PH	ASE IMPACTS							
Demolition	Waste disposal	Pos	П				П	
Rehabilitation	Re-vegetation	Pos						
4. RESIDUAL IMPACTS A	FTER CLOSURE							
Vacated site	Rehabilitation of exposed areas	Pos						
Vacated site	Safety risks	Pos					П	

3.1.3 Assessment of potential cumulative impacts.

All cumulative impacts can be regarded as medium to low in significance.

To:0865344538 14/07/2014 14:10 #869 P.018/050

18

3.2 Proposed mitigation measures to minimise adverse impacts.

3.2.1 List of actions, activities, or processes that have sufficiently significant impacts to require mitigation.

Although there are significant activities that pose a greater risk to the significance of impacts on the environment the entire invasive operation must be monitored and mitigation measures implemented to prevent any environmental degradation.

The above mentioned significant activities include:

- Drilling process
- Excavation process
- Hauling process
- Maintenance procedures and activities
- Refuelling of machinery
- Water usage.

3.2.2 Concomitant list of appropriate technical or management options

(Chosen to modify, remedy, control or stop any action, activity, or process which will cause significant impacts on the environment, socio-economic conditions and historical and cultural aspects as identified. Attach detail of each technical or management option as appendices)

Mitigation measures are to avoid pollution or degradation of the environment. As all prospecting operations or factors relating to prospecting operations pose a risk/thread to the environment, several mitigation measures should be implemented to minimize the risk thereof.

Workshop

- o The workshop will be a barn-like structure with a cemented floor.
- o All chemical spillage on the floor will be treated to break them down into their natural components before cleaning of the floor.
- o Unusable vehicle and machinery parts will be discarded in a container supplied in the scrap yard.
- o Old diesel and/or oil and related chemicals must be discarded within appropriate marked closed containers and stored in the chemical warehouse till removal thereof.

o Hands, machinery parts and overalls will be washed in a chemical soap, which can breakdown the oil substance in the water. This used water can be recycled to a storage tank at the ablution block for flushing the toilets where after sceptical chemicals will be used in the septic tank to neutralize the negative agents.

Wash-bay

- o The wash-bay need to have a cemented floor at a gradient of 2° with a channel at the bottom to relay the water, which connect to a pipe for further relaying to a specific target site.
- o The remaining three sides of the floor must have at least a 30 cm wall, preventing unwanted spillage of used water.
- Only bio-degradable detergent must be used for this purpose to ensure possible recyclability.
- o If must be ensured that electrical cords and plugs are safe from any water contact.

Diesel storage

- Diesel tanks will stand in a leak proof bay, supporting the tank volume plus 10% and a 1,5 m wide cement buffer will encircle the area.
- The floor area must be constructed at a gradient and a run-off sump to capture all contaminated water to be treated by a separator.
- Vehicles which are filled with fuel will park on a cement floor for if any spillage occurs it can be cleaned.
- Two fire extinguishers will be present at all times.

Chemical warehouse

- o Storage facilities will consist of an enclosed room, consisting of a lockable entrance and cemented floor.
- o All chemical containers will be standing in a waterproof bay supporting the container volume plus 5%.
- o Stored chemicals must be in marked closed containers
- o For remediation purposes and neutralizing agent for each chemical must be available at the entrance of the room at all times.
- o Unused chemicals must be separated from used chemicals as well as each type chemical will be grouped to prevent cross contamination.
- o Chemicals removed from storage will be in approved containers to minimize the possibility of spillage.
- o Safety wear for workers will always be available for urgent situations.
- o Fire extinguishers for this purpose will be available at all times.

Scrapyard

- o Is a fenced of area, clearly marked and must be kept clear of all vegetation.
- Waste types need to be separated in their different groups e.g. tin and steel are separated, as well as unusable items which needs to be removed.

Vehicle storage

- o A demarcated fenced of area away from the operational site will be cleared for vehicle storage and parking.
- o Areas must be continuously inspected for spillages and remediated

o Drip pans will be readily available and no parked heavy vehicle will be without a drip pan.

Sanitation

- Concealed septic tanks must be installed above ground, where it can be regularly inspected for leakage.
- Where showers and basins are installed, the draining water can be gathered in a septic tank from where the toilets can be flushed.
- o Ablution blocks shall be at all times be sanitised.
- Sanitary bins will be provided within the building, no sanitary material will be allowed within the septic tanks.

· Operational procedures

- Roads and the amount of roads will be planned and constructed with the minimal impact on the environment.
- All vehicular traffic is restricted to the roads and to a speed of 20 km/h for heavy vehicles and 40 km/h for light weight vehicles.
- Suppression of dust on the roads will occur by the spraying of chemical bounded/fresh/recycled water from the plant site.
- At excavation sites the only necessary vegetation will be cleared.
- On vegetation clearing, should any nests with chicks or eggs are discovered a local nature conservation officer shall be called to relocate the species.
- Littering of any product, including cigarette buds, at any operational site shall be seen as an offence, and will not be tolerated.

- The mine shall be responsible for any clean up resulting from the failure by his employees or suppliers.
- o The mine shall ensure that all suppliers and the delivery drivers are aware of procedures and restrictions in terms of this document.
- No vehicle repairs and maintenance will occur within the operational area and are restricted to the workshop.
- All related chemicals must be handled to minimize spillage and if any occur, it must be dealt with according the relevant remediation measures.
- Washing of equipment shall be restricted to urgent maintenance requirements only.
- Several sites will be identified and colour coded water tanks will be erected for safe human water consumption.
- Clean and contaminated water will be stored separately at selected demarcated sites for each and clearly marked.
- The mine shall restrict all operations that result in undue noise disturbance to local communities to day light hours on week days
- The mine shall warn all local communities and/or residents that could be disturbed by noise generating activities well in advance and shall keep such activities to a minimum
- The mine shall be responsible for compliance with the relevant legislation with respect to noise

- .Top soils, stock and wastes
 - Top soils and overburden removed will be separately stored for final rehabilitation purposes.
 - Stock pile dumps will be places near the plant site for hauling.
 - Waste dumps will be stored and continuously used for backfilling of already excavated and mined out areas.
 - The dump will not exceed the prescribed height, which is height of the surrounding trees.
 - Exposed soil and material stock piles shall be protected against wind erosion and the location of the stockpiles shall be taken into consideration the prevailing wind direction and locations of sensitive receptors.
 - Soil shall be exposed for a minimum time as possible once cleared of vegetation. The timing of clearing shall be co-ordinated as much as possible to avoid prolonged exposure to wind and water erosion.

Rehabilitation

- o Continuous rehabilitation is as important to the environment as that of closure rehabilitation
- o All chemical spills will be rehabilitated immediately
- o Rip and rehabilitate all unused roads and access ways
- Partially rehabilitated excavations that are dormant will be fenced off and clearly marked.
- Any erosion channels developed during the project period shall be back-filled and compacted and the areas restored to a proper condition.
- Stabilisation of cleared areas to prevent and control erosion and or sedimentation shall be actively managed.

o Rehabilitation will be finalised by the planting of indigenous species, with regular inspections for the removal of invader/pioneer species.

Safety

- o Employees at the chemical storage area will be supplied with safety clothing and during the cleaning of spillage it is advisable that chemical resistant boots and hand gloves are worn.
- o Fire extinguishers will be kept in good order and serviced regularly and installed at all fire hazardous areas.
- o Vehicles will be equipped with a red flag on a long enough rod to be easily observed by the heavy vehicle drivers, yellow light at night and a roll bar.
- o Hard hats, ear plugs, safety glasses, dust masks, gloves hard point boots, reflector vests and overalls will be supplied and is compulsory before entering the mine area.
- o The mine entrance will be clearly marked with all regulatory signs, to indicate a potential dangerous zone.
- All buildings will consist of appropriate signs indicating function and potential dangers.
- o All prospecting areas where driving occurs on a narrow potentially dangerous road, will be clearly marked with command/warning signs
- o Personnel need to be trained on Health and Safety matters in line with the Health and Safety act for mining and in handling and the remediation of chemical spills.

- A specific group of a number of volunteers will be trained in the 1st two basic levels of first aid as well as fire fighting to handle the following situations, till professional help arrives at site:
 - Fir outbreaks
 - Accidental injury
 - Injury incurred from animal attacks
 - Chemical burns
 - Sudden illnesses e.g heart attack.
- Remediation measures on accidental pollution
 Accidental pollution is the accidental spillage of
 chemicals, oil, fuel or leakage of the storage tanks.
 - o Chemicals, oil and fuel spillages will be treated with a neutralizing agent.
 - Chemical contaminated soil will be removed and appropriately stored till the removal thereof. Stored top soil will be evenly spread to cover the area.
 - Septic tank leakage will be handled by removal of the soil to be treated and the rehabilitation of the area thereafter.
 - o In the outbreak of a fire, the site will be evacuated. A special group of people, who is trained in this regard, will put the fire out and secure the area.
 - o The mine shall be responsible for any clean up resulting from the failure by his employees or suppliers
- Waste management
 Waste management is very crucial to a successful mine
 with Health and Environmental awareness in the front
 line.
 - Scrap metal
 - All scrap metal will be stored separately, while all unused vehicle/machinery parts will be discarded within a provided container.
 - During the course of mining all scrap in the scrapyard will be sold to the local scrap metal

agencies, before tendering it to surrounding towns.

- At closure of mine the remaining scrap will be sold on a tender basis to all interested agencies
- During closure rehabilitation, the scrap yard will be inspected and all chemical spillage will be obviated before the entire area is ripped and rehabilitated.
- After rehabilitation of the scrap yard is completed the fence will be removed and the environment left in a natural state.

o Chemical waste

- Chemical and chemical containing waste will be stored in closed containers within the chemical storage room.
- Once the area specified for these wastes is approximately 80% full, the different agencies dealing with these specific chemicals will be contacted for the safe removal thereof.

Waste water

As all waste water will be reused, it is not foreseen that waste water will be of any concern, but the following must be stated for future references:

- All waste water will be treated to be used in other areas requiring the use of water, but not necessarily require clean water
- During the mine closure the Department of Water Affairs will be contacted for the authorization and specific regulation on handling waste water.
- Waste water specialists will be contracted to help manage and clean the water for safe return to the environment if possible, otherwise the removal thereof to the recommended agencies.

To:0865344538 14/07/2014 14:18 #869 P.027/050

27

Domestic waste

- The mine shall ensure that all facilities are maintained in a neat and tidy condition and the site shall be kept free of litter
- Containers will be installed and clearly marked for this purpose.
- Waste storage containers shall be covered, tipproof, weatherproof and scavenger-proof.
- The waste storage area shall be fenced off to prevent wind-blowing litter.
- It is preferable that people is aware of the splitting of waste into their different categories, i.e. glass, plastic, paper, tin and other waste.
- No burning, on site burring or dumping of waste shall occur.
- Contracts with the local municipality/agencies will be signed for the removal of these containers on the appropriate schedule of once a week, but if found necessary twice a week.

o Human waste

- All human waste and related waste will be contained within septic tanks installed for this purpose
- Septic tanks and chemical toilettes will be chemically treated and maintained by contracting agency.
- The local municipality will be contracted on the draining of the septic tank and the removal of its contents to the sewerage plant of their choice.
- Sanitation material within the bins provided will be closed in coloured plastics and disposed off with domestic waste.

- o Other relevant waste
 - Old tyres will be removed and sold to the appropriate agencies
 - Old fencing material will be handled as scrap metal

3.2.3 Review the significance of the identified impacts

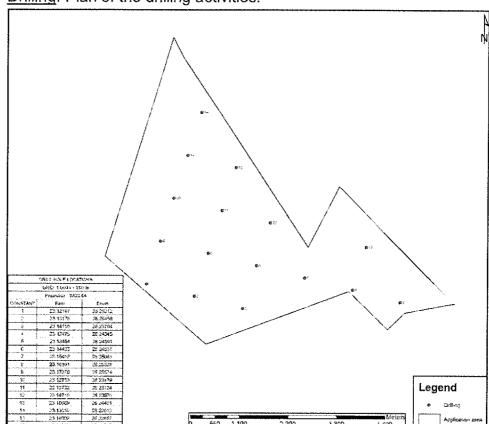
(After bringing the proposed mitigation measures into consideration). After bringing all mitigation measures into consideration, the significance of the identified impacts can be seen as low to medium, but only when all mitigation measures are adhered to.

4 REGULATION 52 (2) (d): Financial provision. The applicant is required to-

4.1 Plans for quantum calculation purposes.

(Show the location and aerial extent of the aforesaid main mining actions, activities, or processes, for each of the construction operational and closure phases of the operation).

1. <u>Drilling</u>: Plan of the drilling activities.



2. Trenching: A plan of the trenching location is not available at this stage. It depends on the outcome of the drilling programme and results. Only then will the position of the bulk sampling trenches be determined.

4.2 Alignment of rehabilitation with the closure objectives

(Describe and ensure that the rehabilitation plan is compatible with the closure objectives determined in accordance with the baseline study as prescribed).

The closure objectives are to create a post-mining environment as close as possible to the pre-mining state of the environment. This can be accomplished by the correctness of rehabilitation and proper aftercare activities.

All waste dump materials shall be backfilled, in their correct order, into the excavation. The overburden and topsoil are spread over the area to ensure a favourable environment for re-establishment of vegetation species.

Unnecessary roads and plant site will be cleared of foreign materials and ripped to loosen the ground for vegetation re-growth. After final rehabilitation is completed, a 2 to 3 year after-care plan in initiated to ensure a satisfying vegetation re-growth rate and the successful establishment of the indigenous vegetation.

All of this can be accomplished by regular field visits for the watering of the areas as well as for the removal on any invader/pioneer species.

4.3 Quantum calculations.

(Provide a calculation of the quantum of the financial provision required to manage and rehabilitate the environment, in accordance with the guideline prescribed in terms of regulation54 (1) in respect of each of the phases referred to).

Applicant:	CALCULATION OF THE QU Matsapa Trading 529 CC			Location: Date:	Vinci 590 30/5/2013			
	1		l A	В	C	D	E=A*B*C*D	
	Description	Unit	Quantity	Master Rate	Multiplication factor	Weighting factor 1	Amount (Rands)	
1	Dismantling of processing plant and related structures (fincluding overland conveyors and powerlines)	m3	200	10.87	1	1	2,174.00	
2(A)	Demoktion of steel buildings and structures	m2	150	151,42	1	1	22,713.00	
2(B)	Demoition of reinforced concrete buildings and structures	m2		223.14	1	1	-	
3	Rehabitation of access roads	m2	4.500	27,10	1		121,950.00	
4(A)	Demoition and rehabilitation of electrified rallway lines	m		262.98	1	1	,	
4 (A)	Denoition and rehablitation of non-electrified rallway lines	m	—	143.45	1	1	-	
5	Demoition of housing and/or administration facilities	m2	150	302.83	1	1	45,424,50	
6	Opencast rehabilitation including final voids and ramps	ha	0.13	158,747.27	1	1	20,637.15	
7	Sealing of shafts adks and inclines	m3		81.29	1	1	-	
8(A)	Rehabitation of overburden and spoils	ha	0.13	105,831.51	1	1	13,758.10	
8 (B)	Rehabilitation of processing waste deposits and evaporation ponds (non-polluting potential)	ha		131,811.24	1	4	-	
8(C)	Rehabilitation of processing waste deposits and evaporation ponds (polluting potential)	ha		382,842.31	1	1	•	
9	Rehabilitation of subsided areas	ha		88,617.95	1	1	-	
10	General surface rehabilitation	đa	0.05	83,836.41	1 .	1	4,191.82	
211	Faver diversions	ha		83,836.41	1	1		
12	Fencing	m	280	95.63	1	1	26,776.40	
13	Water management	ha		31,876.96	1	1		
14	2 to 3 years of meintenance and aftercare	ha	2.26	11,156.92	1	1	25,214.64	
15(A)	Specialist study	Sum	2	15,000.00	1	1	30,000.00	
15(B)	Specialist study	Sum	<u> </u>			1	-	
					Sub To	ari j	312,839.60	
1	Preliminary and General Contingencies		37540.75213 w		weighting 1	factor 2	37540,75213	
2				3128	3.96011		31283.96011	
					Subtot	a12	381664.31	
					VAT(1	4%)	53433.00	

Although the total provision calculate to an amount of R 435 097.00 the operation is planned over a two year period. Thus the amount of R 217 548.00 is found appropriate and sufficient for this project.

4.4 Undertaking to provide financial provision

(Indicate that the required amount will be provided should the right be granted).

I, the member of Matsapa Trading 529 CC, undertake to provide the financial provision for the amount of **R 217 548.00** in the form of a Bank Guarantee should the right be granted.

5 REGULATION 52 (2) (e): Planned monitoring and performance assessment of the environmental management plan.

5.1 List of identified impacts requiring monitoring programmes.

All prospecting actions, activities and processes should be monitored against the mitigation measures as stipulated above in Section 3.2.2 of this document on an annual basis.

Activities that should be carefully monitored area:

- · Drilling process
- · Excavation process
- Mineral processing process
- · Maintenance procedures and activities
- Refuelling of machinery
- Water usage
- Rehabilitation.

5.2 Functional requirements for monitoring programmes.

Monitoring programmes and reports should be conducted by independent environmental consultants for accurate and true statement. This should be done on an annual basis, but the mine itself is free to employ a person with environmental qualifications to oversee the execution of the Approved Environmental Report on a daily basis.

Specific time schedule for the following:

- Drilling process once off
- Excavation process 6 monthly
- Mineral processing process annually
- Maintenance procedures and activities annually
- Refuelling of machinery 6 monthly
- · Water usage annually
- Rehabilitation. 6 monthly

5.3 Roles and responsibilities for the execution of monitoring programmes.

It is the responsibility of the mine manager to see that monitoring programmes are kept updated and done timely to be submitted to the Department Mineral Resources. The independent environmental consultant has a sole responsibility towards the environment and to see that the execution of the Environmental management plan is done correctly and safely.

The findings of the consultant shall be reported in a written document and copies submitted to the client, Department Mineral Resources and the farm owner.

5.4 Committed time frames for monitoring and reporting.

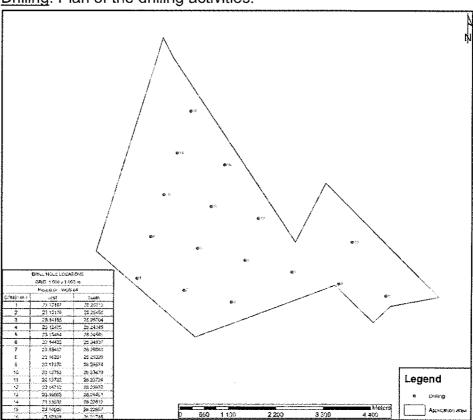
Monitoring assessments should be done on a six monthly basis with recommendations given to the mine. A major survey shall be conducted on an annual basis and the report thereof submitted to the relevant Department of Mineral Resources.

6 REGULATION 52 (2) (f): Closure and environmental objectives.

6.1 Rehabilitation plan

(Show the areas and aerial extent of the main prospecting activities, including the anticipated prospected area at the time of closure).

1. <u>Drilling</u>: Plan of the drilling activities.



- Trenching: A plan of the trenching location is not available at this stage. It depends on the outcome of the drilling programme and results.. Only then will the position of the bulk sampling trenches be determined.
- 3. <u>Plant and office site:</u> A plan indication the position of the plant and office site is not available at this stage. The strategically planning thereof depends on the outcome of the drilling program.

The end-land use after final rehabilitation would probably continuation of farming activities, but is dependable on the decision of the land owner.

The rehabilitation plan to reach the closure objectives may include:

- Rehabilitation which forms an integral part of the mining/ prospecting operations
- Backfilling of the excavation/ drill holes will start one all the gravels are removed.
- The waste from the screening and sorting plant will be discarded back into the excavation and left to settle (compact)
- Once the layer have settled the surplus from the processing plant are used to fill it up and prepared for final rehabilitation.
- If not filled to the top the walls will be sloped, and levelled.
- During the final rehabilitation process, the stored overburden and topsoil will be used in their respective order and evenly spread over the area.
- The area will be regularly checked against invader/pioneer plant species and the vegetation re-growth monitored till satisfaction is reached.
- Unnecessary roads and the plant site will be cleared of foreign materials and ripped to lose the ground for vegetation re-growth.
- After final rehabilitation is completed a 1 to 2 year after-care plan is initiated to ensure a satisfying vegetation re-growth rate and the successful establishment of indigenous species.

6.2 Closure objectives and their extent of alignment to the pre-mining environment.

The closure objectives are to create a post mining state as close as possible to the pre-mining state of the environment. The area will be fully rehabilitated according the procedures stipulated in Section 6.1 of this document and to the satisfaction of the Department Mineral Resources and the land owner.

This can be accomplished by the correctness of rehabilitation and proper after-care activities.

To:0865344538

34

6.3 Confirmation of consultation

(Confirm specifically that the environmental objectives in relation to closure have been consulted with landowner and interested and affected parties).

The closure objectives in regard to the environment have not been consulted with the land owner and/or any other interested and/or affected parties. Such consultations still need to be conducted and should be done in the near future in the form of a public meeting.

7 REGULATION 52 (2) (g): Record of the public participation and the results thereof.

7.1 Identification of interested and affected parties.

(Provide the information referred to in the guideline)

i. Name the community or communities identified, or explain why no such community was identified.

> The Report on the Result of Consultation has not yet been received from the applicant, and thus can be assumed that consultation is still in progress.

ii. Specifically state whether or not the Community is also the landowner.

The Report on the Result of Consultation has not yet been received from the applicant, and thus can be assumed that consultation is still in progress.

iii. State whether or not the Department of Land Affairs been identified as an interested and affected party.

The Report on the Result of Consultation has not yet been received from the applicant, and thus can be assumed that consultation is still in progress.

iv. State specifically whether or not a land claim is involved.

The Report on the Result of Consultation has not yet been received from the applicant, and thus can be assumed that consultation is still in progress.

Name the Traditional Authority identified. ٧.

The Report on the Result of Consultation has not yet been received from the applicant, and thus can be assumed that consultation is still in progress.

To:0865344538

35

vi. List the landowners identified by the applicant.

(Traditional and Title Deed owners)

The Report on the Result of Consultation has not yet been received from the applicant, and thus can be assumed that consultation is still in progress.

vii. List the lawful occupiers of the land concerned.

The Report on the Result of Consultation has not yet been received from the applicant, and thus can be assumed that consultation is still in progress.

viii. Explain whether or not other persons' (including on adjacent and non-adjacent properties) socio-economic conditions will be directly affected by the proposed prospecting or mining operation and if not, explain why not. The Report on the Result of Consultation has not yet been received from the applicant, and thus can be assumed that consultation is still in progress.

ix. Name the Local Municipality.

The Report on the Result of Consultation has not yet been received from the applicant, and thus can be assumed that consultation is still in progress.

x. Name the relevant Government Departments, agencies and institutions responsible for the various aspects of the environment and for infrastructure which may be affected by the proposed project.

The Report on the Result of Consultation has not yet been received from the applicant, and thus can be assumed that consultation is still in progress.

xi. Submit evidence that the landowner or lawful occupier of the land in question, and any other interested and affected parties including all those listed above, were notified

The Report on the Result of Consultation has not yet been received from the applicant, and thus can be assumed that consultation is still in progress.

To:0865344538 14/07/2014 14:30 #869 P.036/050

36

7.2 The details of the engagement process.

7.2.1 Description of the information provided to the community, landowners, and interested and affected parties.

The Report on the Result of Consultation has not yet been received from the applicant, and thus can be assumed that consultation is still in progress.

7.2.2 List of which parties indentified in 7.1 above that were in fact consulted, and which were not consulted.

The Report on the Result of Consultation has not yet been received from the applicant, and thus can be assumed that consultation is still in progress.

7.2.3 List of views raised by consulted parties regarding the existing cultural, socio-economic or biophysical environment.

The Report on the Result of Consultation has not yet been received from the applicant, and thus can be assumed that consultation is still in progress.

7.2.4 List of views raised by consulted parties on how their existing cultural, socio-economic or biophysical environment potentially will be impacted on by the proposed prospecting or mining operation.

The Report on the Result of Consultation has not yet been received from the applicant, and thus can be assumed that consultation is still in progress.

7.2.5 Other concerns raised by the aforesaid parties.

The Report on the Result of Consultation has not yet been received from the applicant, and thus can be assumed that consultation is still in progress.

7.2.6 Confirmation that minutes and records of the consultations are appended.

The Report on the Result of Consultation has not yet been received from the applicant, and thus can be assumed that consultation is still in progress.

7.2.7 Information regarding objections received.

The Report on the Result of Consultation has not yet been received from the applicant, and thus can be assumed that consultation is still in progress.

7.3 The manner in which the issues raised were addressed.

The Report on the Result of Consultation has not yet been received from the applicant, and thus can be assumed that consultation is still in progress.

8 SECTION 39 (3) (c) of the Act: Environmental awareness plan.

8.1 Employee communication process

(Describe how the applicant intends to inform his or her employees of any environmental risk which may result from their work).

Initial employee training will be done on employment of personnel, handling all issues related to General and Conservational Environmental Awareness. Follow up training workshops will be held on an annual basis and when expansion and/or implementation of new equipment are introduced to the mine.

Motivation:

- Inspections will be held on a regular basis against do's and don'ts listed within this document. Immediate penalties can be given to offenders.
- On the discretion of the mine, motivation can be implemented by an all-expenses paid, braai/function at the end of unbroken fixed environmental contamination free hours.

8.2 Description of solutions to risks

(Describe the manner in which the risk must be dealt with in order to avoid pollution or degradation of the environment)t.

- Everyday awareness
 - o Littering

As wild animal species still roam the area from time to time, the accidental ingestion of litter is a possibility and highly dangerous as it can and will kill the animal involved. Even when not ingested small mammals are always at risk in getting tangled with plastics rubber etc., this can ensure numerous suffering and eventually death of the animal.

Plastics, rubber some types of paper and glass are not biodegradable and release poisons into the environment when exposed to harsh weather conditions. Even when buried, they tend to resist weathering. These poisons released into the environment can be harmful to our plant species, but even if it is not harmful to the plant itself the plant tend to store all absorbed substances in their fruit, roots and root tuber and the last mentioned may be utilized by humans or animals leading to the

consuming of harmful chemicals that may pose illness or even death.

No glass, paper, plastics and cigarette buds are to be littered during the duration of the mining operations. Garbage containers will be installed and maintained to prevent litter pollution.

Open fires

The Northern Cape is generally known as a semi-arid region with less that moderate rainfall per annum. The project area falls within the dryer regions of the province, the Kalahari that is regarded as a semi-desert, and it is also by law prohibited to start open fires ((Section 25, Government Gazette Volume 401 Number 19515 of 27 November 1998, regarding the National Veld and Forest Fire Act 1998 (Act no. 101 of 1998)).

Due to the hot and dry conditions the region is very susceptible for runaway fires. No open fires will be tolerated during the mining period and as this is regarded by law as a criminal offence related penalties can be issued. The littering of self-ignitable substances/objects (e.g. matches) are also not allowed as it will always pose a danger regarding field fires, and if such happen he person responsible for the littering will be charged with arson and related penalties can be issued.

o Sanitation and Personal Hygiene

Sanitation and personal hygiene is a very important subject for environmental and social health. Improper sanitation habits can lead to intestinal parasite infestations within humans and animals, endangering the overall health of the recipients. Unfortunately these infestations don not stay only within the host and will spread rapidly throughout a community or herd.

Human viruses like *Tubercle bacillus* (TB) and *Herpes simplex*, both are very contagious, spread vigorously throughout a community not handling good hygiene habits/practices.

- Proper sanitation/ablution blocks will be erected during the commissioning phase of the activities and strict use and cleanliness of these facilities will be enforced during the entire life of mine.
- Employees will further be advised and educated on the importance of consuming clean and fresh water. Several

To:0865344538

sites will be identified and colour coded water tanks will be erected for safe human water consumption.

o Fauna

Wild animals roaming within the area is a common sight form time to time, but reptiles and smaller rodents permanently inhabit the area. Wild animals are and will always be very dangerous.

Mine employees will be advised to stay clear for any wild animal or reptile, not feeding them and not try to provoke them in any manner. They will further be educated on dangerous and poisonous reptiles and the actions to be taken when such reptiles are encountered.

o Flora

The vegetation of the Northern Cape regions is very fragile and easily endangered by pioneer/invader species invading the Northern Cape at an alarming rate and due to the slow growth rate of our indigenous species.

- No indigenous shrubs or trees will be unnecessarily uprooted and utilised for firewood, they would rather be advised to utilize pioneer/invader species and be educated on which plant species are indigenous, endangered or pioneer.
- If any pioneer/invader species are observed the reporting thereof to the rehabilitation site manager will be highly recommended.
- Penalties will be given to individuals that damage any endangered species e.g. cutting branches/bark from a Camel/Grey Camel tree.

Work related awareness

o Work shops

All work shop personnel will receive a basic information session regarding the threats of diesel, oil and other related chemicals impose on the environment.

The following must be implemented or enforced:-

Before cleaning the work shop, make sure all spillages have been treated.

39

- When handling related chemicals make sure of non-spillage procedures.
- Make sure boots are cleaned from chemicals before leaving the workshop into the unprotected environment.
- Vehicles must be in the workshop before removal of drip pans.
- When working on equipment outside the workshop, the appropriate measures needs to be implemented to prevent chemical spillage.
- Related waste/scrap must be disposed in the appropriate manner.
- Wash bay
 Although washing of vehicles do not pose a risk to the environment several pointers need to be adhered to:-
 - Be sure that the electrical wires of the washing equipment do not make any contact with water used.
 - Plastic and domestic wastes removed from the vehicles from the vehicles need to be discarded in the appropriate manner
 - If any oil or diesel leakage is observed, immediate communication with the workshop and repair of vehicle needs to be done, before it is cleaned or can be cleaned in the workshop.
 - Make sure boots are cleaned from chemicals before leaving the bay into the unprotected environment
 - When a detergent is used it must be ensured that it is bio-degradable and allocated for this purpose.
- Heavy vehicle operators
 All heavy vehicles pose a threat to the environment in several ways. Some awareness must be initiated by the operators to minimize the treat to the environment.

The following must be implemented or enforced:-

#869 P.041/050

- Daily checking for oil/diesel leakages before vehicle is operated
- Drip pans must be installed during "off-time"
- Immediate communication with the workshop when faults are observed.
- Strict adherence to the mine roads and no off-road driving to prevent trampling of vegetation
- Driving speed must be complied with. Beware of animals, workers and other vehicles.
- Machinery operators
 Although the operational mining equipment does not pose any environmental risk, employees still need to adhere to some measurements to prevent spillage.
- Maintenance personnel
 All maintenance personnel must receive basic training on work related environmental awareness to minimize/eliminate the possibility of environmental degradation.

Pointers that will be looked at:-

- Electricians may not leave any cables unprotected scattered on the site – animals may get tangled up.
- During fencing/rehabilitation common fence wires may not be left scattered as these rust over time – any cuts to animals and humans (sepsis and tetanus risk) can lead to suffering or great discomfort.
- No metals may be left scattered as it pose the same threat as described directly above
- All personnel handling chemical relating products must follow handling procedures – any spillage contaminating the ground will pose risk to environmental degradation
- All chemical used must be put to storage afterwards containers may leak and environmental contamination occurs.

8.3 Environmental awareness training.

(Describe the general environmental awareness training and training on dealing with emergency situations and remediation measures for such emergencies). All training will be handled by a Trained Environmental Consultant and proof thereof submitted. Reports on these training will be submitted on an annual basis to the Department Mineral Resources.

- 9 SECTION 39 (4) (a) (iii) of the Act: Capacity to rehabilitate and manage negative impacts on the environment.
 - 9.1 The annual amount required to manage and rehabilitate the environment.

(Provide a detailed explanation as to how the amount was derived)
The annual amount requited to manage and rehabilitate the environment is **R 217 548.00water** as calculated in Section 4.3 of this document

9.2 Confirmation that the stated amount correctly reflected in the Prospecting Work Programme as required.

The stated amount does not reflect in the Prospecting Work Programme as only baseline rehabilitation costs were calculated before all the other relevant costs were stipulated as within the Environmental Management Plan.

10 REGULATION 52 (2) (h): Undertaking to execute the environmental management plan.

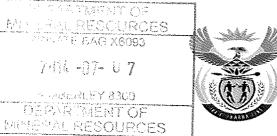
Herewith I, the person whose name and identity number is stated below, confirm that I am the person authorised to act as representative of the applicant in terms of the resolution submitted with the application, and confirm that the above report comprises EIA and EMP compiled in accordance with the guideline on the Departments official website and the directive in terms of sections 29 and 39 (5) in that regard, and the applicant undertakes to execute the Environmental management plan as proposed.

Full Names and Surname	KNOWLEDGE KOMANISI
Identity Number	720824 5581 089

From: To:0865344538

14/07/2014 14:41

#869 P.043/050



water affairs

Department: Water Affairs REPUBLIC OF SOUTH AFRICA

Northern Cape Region
Private Bag X 6101, Kimberley, 8301
28 Central Road Beaconsfield Kimberley
Tel: 053 836 7600, Fax: 053 842 3258, Email:wma10@dwa.gov.za

F 📾 053 842 3258

makungoe@dwa.gov.za

Makungo Esther

053 836 7600

Sub-directorate: Mine Environmental Management

Department of Minerals Resources

Private Bag A 1 Klerksdorp 2570

Attention: Mr. Gaudi Shapo Directorate: Mineral Regulation

Dear Sir

E

CONSULTATION WITH REGARD TO SECTION 45(3) OF THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT 2002, (ACT 28 OF 2002) REGARDING AN APPLICATION FOR PROPOSED OF MANGANESE AND IRON ORE AT THE FARM VINCI 580, SITUATED AT HAY MAGISTERIAL DISTRICT, NORTHERN CAPE PROVINCE.

Reference is hereby made for the approval of a mining right as proposed by (Matsapa Trading 529 CC) presented to Department of Water Affairs (DWA) by the Department of Mineral Resources with reference NC30/5/1/1/1/2/11115PR.

After evaluating of the Environmental Management Programme the department has no objection, however the following should be noted:

- 1. Note the activity triggers water uses that require regulation and authorisation by DWA according to Section 4 and Section 21 of the National Water Act (Act 36 of 1998), documents indicated in checklist **once** the right is approved by DMR.
- A pre consultation meeting should be arranged with DWA official wherein guidance will be provided with regards to relevant documentation necessary for the authorisation process.
 A 1:10 000 topographical map with environmental features and the mine facilities plan with lay out plan. Kindly take note of the checklist attached.
- 3. The disposal of general waste and that of hazardous waste will be carried out in an environmentally safe way as to prevent and/or minimise the potential for pollution of water resources and collection of which should be done by an accredited waste collector. All applicable sections of the National Environmental Management: Waste Act 59 of 2008 should be strictly adhered to.

- 4. All mining related sections of the National Water Act of 1998 must still be met and strictly adhered to including the commitments in this Environmental Management Programme.
- 5. The regulations on the use of water for mining and related activities aimed at the protection of the Water Resources as published in the Government Notice No.704 on 4 June (Government Gazette No. 20119) must be complied with.
- 6. Please note that practising Section 21 water uses of the National Water Act (Act 36 f 1998) without an authorisation from DWA is unlawful as it is in contravention of the National Water Act, 1998 and is punishable by law.

This reply does not grant any exemption from the requirements of any applicable Act, Ordinance, Regulation or By-law.

Please also note that any use of water without authorization is unlawful as it is in contravention of the National Water Act, 1998 and is punishable by law.

Please do not hesitate to contact Ms TE Makungo on Tel. 053 836 7661 or E-mail: makungoe@dwa.gov.za should you have any enquiries concerning the contents of this letter.

Yours faithfully,

REGIONAL HEAD

DATE: 01/07/2014

To:0865344538

14/07/2014 14:44 #869 P.045/050

Matsapa Trading 529

PO Box 1539 Kimberley 8300 Tel: 072 017 9973 Fax: 086 613 5827

Email: komanisi.knowledge@gmail.com



07 July 2014

Mr Theodorus Coetzee 15 Hout Street Postmasburg 8420

Dear Sir

07/07/2014 put mushame

APPLICATION FOR A PROSPECTING RIGHT TO PROSPECT FOR IRON ORE AND MANGANESE ORE IN RESPECT OF VINCI 580 HAY MAGISTERIAL DISTRICT
REFERENCE NO: (NC) 30/5/1/1/2/11 115 PR

Kindly take note that we have been directed by the Department of Mineral Resources to consult the interested and affected parties pertaining the Environment Management Plan.

Find enclosed a copy of the Environment Management Plan for your perusal. Be at liberty to consult me for any clarities and you are cordially requested to make comments in writing if there are any not later than 31 July 2014. I am at your service at the following number: 072 017 9973

I hope that this effort will go a long way in building the solid working relationship.

Kind regards

Knowledge Komanisi

Member

MINERAL RESOURCES

WINE PAR SESSOURCES

MINERAL BESOURCES

MINERAL BESOURCES

Matsapa Trading 529 We sufficeen

PO Box 1539 Kimberley 8300

Tel: 072 017 9973 086 613 5827 Fax:

Email: komanisi.knowledge@gmail.com



24 April 2014

Mr Theodorus Coetzee 15 Hout Street Postmasburg 8420

Dear Sir

APPLICATION FOR A PROSPECTING RIGHT TO PROSPECT FOR IRON ORE AND MANGANESE ORE IN **RESPECT OF FARM VINCI 580, HAY MAGISTERIAL DISTRICT** REFERENCE NO: (NC) 30/5/1/1/2/11 115 PR

Kindly take note that Matsapa Trading 529 has applied for a prospecting right to prospect for iron ore and manganese ore on the above mentioned property.

It is expected that all the applicants to consult the surface right owners or lawful occupiers as an effort to cultivate sound walking relationship. This consultation with you is also in line with Section 16(4) (b) of the Mineral and Petroleum Resources Development Act of 2002.

You are further advised to consult The Department of Mineral Resources should you have any quiries. Their contact details are as follows:-

The Regional Manager Department of Mineral Resources Private Bag X6093 **KIMBERLEY** 8300

Telephone number

053-807 1700

Fax number'

053-832 5631

Be at ease to consult me at the following details if you seek further clarities.

Cellphone number

072 017 9973

Fax number

Email address

086 613 5827

komanisi.knowledge@gmail.com

I trust that this effort will be appreciated accordingly.

Best wishes

Kriowledge Kolmanisi Managing Member

DEPARTMENT OF MINERAL RESOURCES PRIVATE BAG X6093

7114 -117- 07

MINERAL KESOURCES

Tenders

Sedibeng WATER

INVITATION TO REGISTER ON THE SEDIBENG

WATER SUPPLIER DATABASE FOR THE 2014/2015

FINANCIAL YEAR pliers are hereby invited for the following regions: State, North West and the Northern Cape (Vaal Gamagara and Namakwa).

To comply with the requirements of the Public Finance Management Act, Act No 1 of 1998 and the Preferential Procurement Act, Act No 5 of 2000, Sedibeng Water invites providers of goods and services to register on the Sedibeng Water Supplier Database. NB: Suppliers are expected to choose a maximum of five core services; failure to do so will nullify any application. Sedibeng Water reserves the right to accept or reject any application without being obliged to give reasons. Please specify your categoryries on the database

Services/Goods:

Accormodation • Advertising • Agricultural Services • Auctioning/Valuation • Calibration
Sarvices • Chemical/Equipment • Civil Support/Equipment • Clearing • Concrete Works
• Consulting • Contractors/Plant Hire • Designing/Frings • Diesel/Petrol Suppliers • Events
Management • Electrical Instrument/Valement • Finance/Auditing • Food • Beverages
• Forensics • Caneral Trading • Human Resources/Training • Insachdidas/Pest Control
Instruments/Support/Equipment • Insurance • Laboratory Consumables/Equipment • Supplies • Maintenance • Machanical Support • Municipal Services • Office Equipment
• Protography • Promotional Items • Protective Coloning • Recreational/Sport Suppliers
• Nead Works • Safety & Security • Steel Works • Telecommunications • Tool/Equipment Hire
• Travel Agents • Vehicle Support • Veräications • Waste Disposal • Water Services • Other
(Specifix)

Database registration forms will be made available from 30 June 2014 at the Supply Chain Offices of Sedibeng Water during working hours (between 07:30 and 15:30 Monday to Friday).

Only original Database Forms, as issued by Sedibeng Water, will be accepted for registre Service providers are requested to submit the following mandatory supporting docum

any origina Distabase Forms, as issued by Sediberg Water, will be accepted for registration. Service providers are requested to submit the following mandatory supporting documents:

* Fully competed, original registration form * An original and valid Tax Clearance Certificate Issued by SARS * Recently certified copies of Ibo of all the directors or members of the company or close corporation * Certified opened of company registration(Population Foundation * Certified opened of company registration(Population to exemption or additional provides systemics * Circle and * Certified opened of Certified opened of Certified opened of Certified opened of Certified opened on the form, Sedimental origination for the bank (bank shamp is required on the form). Businesses such as Consultants, Travel Agencies, Security, Training, Construction Companies, etc must submit registration/accreditation certificate(s).

The database will be open for registration from 30 June 2014 to 31 July 2014

The database will be open for registration from 30 June 2014 to 31 July 2014. Registration on the database does not guarantee business with Sedibang Water NB: All suppliers who were praviously or are currently providing services or supplies to Sedibeng Water MUST re-register, as they will not be automatically included in the Database.

Diamond Fields Advertiser... MONDAY JULY 7, 2014



HUWELIKSVOORWAARDE
KONTRAK
In die Hoë Hof van Suid-Afrika
(Noord-Kaapse Hoë Hof,
Kimberley) Saakm: 1099/2014
In die aansoek van:
WILHELM CHRISTIAAN
JOHANNES UYS 1ste Applikant

en DALENE ELEN

DYLENE LEEN

UYS 2de Applikant

Neem hiermee kennis dat daar aansoek gedoen
sal word namens die bogemelde Applikante by
die bogemelde agbare Hof op 15 Augustus
2014 om 09:30, of so spoedig as moontlik daarna as wat die aansoek aangehoor kan word, vir

sal word namens die bogemeide Applikante vy die bogemeide agbare Hof op 15 Augustus 2014 om 09:30, of so spoedig as moontlik daarna as wat die aansoek aangehoor kan word, vir 'n bevel in die volgende terme:

1. Dat verlof aan die Applikante verleen word om hulle Huweliksvoorwaardekontrak met die toepassing van die Aanwasbedeling ingevolge Artikel 21 van die Wet op Huweliksgoedere, 88 van 1984, wat op 10 September 2011 in die Aktekantoor, Kimberley, geregistreer is, te wysig tot die mate dat die Applikante die gesamentlike elenaars in gelyke dele sal wees van, die onroerende elendom, Erf 3470, Kimberley, geleë te Bebingtonstraat 12, Monumenthoogte, Kimberley.

2. Dat verlof ook verleen word aan die Applikante om die Gewysigde Huweliksgoedere, 88 van 1984, 'n afskrif waarvan aangeheg is aan die eedsverklaring van die Eerste Applikant as aanhangsel "WU4", in die Aktekantoor, Kimberley, te registreer ten einde gevolg te gee aan die wysiglings verwys na in paragraaf 1 hierbo.

3. F die voormelde Gewysigde Huweliksgoedere, 88 van 1984, 'n afskrif waarvan aangeheg is aan die eedsverklaring van die Eerste Applikant as aanhangsel "MU4", in die Aktekantoor, Kimberley, te registreer ten einde gevolg te gee aan die wysiglings verwys na in paragraaf 1 hierbo.

3. F die voormelde Gewysigde Huweliksgoedere, 88 van 1984, geregistreer sal word binne 3 (drie) maande na datum van hierdie bevel.

4. Dat die Registrateur van Aktes, Kimberley gemagtig en gelas word om die gemelde Gewysigde Huweliksvoorwaardekontrak met die Toepassing van die Aanwasbedeling ingevolge Artikel 21 van die Wet op Huweliksgoedere, 88 van 1984, te registreer, mits daar voldoen word aan die voorskrifte van die Akteswet, 47 van 1937.

5. Dat hierdie bevel gemaak word sonder die benadeling van die regte van enige bestaande skuidsieser van die Applikante.

6. Dat sodanige verdere en/of alternatiewe regshulp verleen sal word as wat die agbare Hof sienstig mag ag.

Neem verder kennis dat enige persoon wat van voormene is om die aansoek te bestry of wat vertoë in

wanneer die saak aangehoor word, mag verskyn en direk vertoë rig. Neem verder kennis dat die aansoek tesame met die voormelde notariële kontrak ter insae sal lê by die kantore van Engelsman Magabane ingelyf, Du Toitspanweg 80, Kimberley, 8301, en ook by die kantore van die Griffier van die bogemelde agbare Hof. Gedateer te Kimberley op hede die 4de dag van Julie 2014.

ENGELSMAN MAGABANE INGELYF Prokureurs vir Applikante

8301 Verw: UYS3/0003/AU,24/JBE/LK

First/Final Notices

In die Boedel van wyle WILLIAM JO-SEPH BARKER, identi-teitsnommer 530520 5003 080, van Mo-hammed Rylaan 13, Warrenvale, Warren-fon.

ton.

Boedelnr 2343/2013
Ingevolge Artikel 35(5) van Wet 66 van 1965 word hierby kennis gegee dat duplikate van die Eerste en Finale Likwidasie- en Distribusierekening in die bogemelde Boedel by die kantoor van die Meester varn die Moë Hof, Kimberley, 3sook die Landfors, Landroskantore, Warrenton, vir 'n tydperk van 21 dae vanaf 4 Julie 2014 ter insae sal-lê.vir alle persone wat daarby belang het. Indien binne genoemde tydperk geen besware daarteen by die betrokke Meester ingedien word nie, gaan die eksekuteur oor tot die uitbetaling ingevolge gemelde rekenings. F. ENGELBRECHT, p/a. Engelsman, Magdane Ing, Posbus 609, Kimberley, 8300, Bar78/0001 ton. Boedeinr 2343/2013

Bar78/0001

(703)

In die Boedel van wyle CORNELIUS HENDRIK VISSER, VISSER HENDRIK VISSER, identiteitsnommer 450821 5003 086, van Die Plaas Elrida, Dis-trik Kuruman. Boedelnr 39/2011

trik Kuruman.
Boedeln 399/2011
Ingevolge Artikel 35(5)
van Wet 66 van 1965
word hierby kennis gegee dat duplikate van die Eerste en Finale
Likwidasie- en Distribussierekening in die bogemelde Boedel by
die Meetster van die Hoë
Hof, Kimberley, vir 'n
tydperk van 21 dae vanaf 4 Julie 2014 ter insee sal fe vir alle persone wat daarby belang het, Indien binne
genoemde tydperk
geen besware daarteen by die betrokke
Meester ingedien
word nie, gaan die eksekuteur oor tot die
uitbetaling ingevolge
gemelde rekenings.
F ENGELBRECHT, p/a
Engelsman, Magabane

Engelsman, Magabane Ing, Posbus 609, Kim-berley, 8300.

peng, Kimberley. Boedelnr 2518/2011

peng, Kimberley, 2518/2011 Ingevolge Artikel 35(5) van Wet. 66 van 1956 vord hierby kennis gegee dat duplikate van die Eerste en Finale Likwildasie- en Distribusierekening in die bogemeide Boedel by die kantoor van die Meester van die Hoë-Hof, Kimberley, vir 'n tydperk van 21 dae vanaf 4 Julie 2014 ter insae sal lê vir alle persone wat daarby belang het, Indien binne genoemde tydperk van 20 de versteen vord nie, gaan die eksekuteur oor tot die uitbetaling ingevolge gemelde rekenings. F ENGELBRECHT, p/a Engelsman, Magabane ing, Posbus 609, Kimberley, 8300.

Services/Goods

(Specify)

To advertise WORKPIACE colt 0860 238 377

snommer 500517 5665 086, van Lese-gostraat 616, Ipo-

PUBLIC NOTICE

Acceptance of a Prospecting Right

Reference number: (NC)30/5/1/1/2/11 115PR

In terms of Section 16 of Mineral and Petroleum Resources Development Act of 2002, the Department of Mineral Re-sources (Northern Cape Region) has accepted an application to prospect for Iron ore and managanese ore from Matsapa Trading on farm Vinci 580, Hay Magisterial District.

The Environment Management Plan document(s) is available from the Post Office and the Tsantsabane Municipality as from 3 July 2014. All the interested and affected members of the public are advised to peruse the document. All those members of the public are urged to consult Rock Runner Consultants at 072-141-4164 if they are unable to visit the Post Office and the Tsantsabane Municipal Office in Postmasburg for them to arrange the accessibility of the document. Any commesnt, if there are any, should be made in writing after have persued the document not later than 25 July 2014.

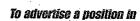
Piease send your comments for attention of:

Rock Runner Consultants PO Box 3226 Kimberley

Fax No: 086-248-5385 E-mail: admin@rockrunner.co.za First/Final Notices

in die Boedei van wyle MOSHE MOSES LENYORA, identiteit-snommer 500517

Looking far and wide?





0860 238 377

Have a vacancie Advertise the position in

Workplace 0860 238 377 local coll

711 Public Notices 711 Public Notices 711 Public Notices





PUBLIC NOTICE

Acceptance of a Prospecting Right

Reference number: (NC)30/5/1/1/2/10 990PR

In terms of Section 16 of Mineral and Petroleum Resources Development Act of 2002, the Department of Mineral Resources Development Act of 2002, the Department of Mineral Resources (Northern Cape Region) has accepted an application to prospect for iron ore and managanese ore from Uthando Lwethu Investment (Pty) Ltd on portion 6 of farm Bermolli 583, farm Gras-Vlakte 61, farm Kambro 62 and farm Geelbult 63 Hay Magisterial District.

The Environment Management Plan document(s) is available from the Post Office and the Tsantsabane Municipality as from. All the interested and affected members of the public are advised to persuse the document. All those members of the public are urged to consult Rock Runner Consultants at 072-141-4164 if they are unable to visit the Post Office and the Tsantsabane Municipal Office in Postmasburg for them to arrange the accessibility of the document, Any comment, if there are any, should be made in writing after have persued the document not later than 25 July 2014.

Please send your comments for attention of:

own your **futu**re

OL Jobs.co.za

Rock Runner Consultants PO Box 3226 Kimberley

Fax No: 086-248-5385 E-mail: admin@rockrunner.co.za



Classified is a powerful resource for connecting

buyers and sellers.

Whether its

a new car, a new house or

a new job : CLASSIFIED

can fill those needs!

Classifieds



REQUEST FOR TENDERS - INFRASTRUCTURE UPGRADE AT KIMBERLEY AIRPORT

Tender Reference Number: KM326/2014

Airports Company South Africa SOC Ltd invites suitably qualified construction companies to submit tenders for the above services at Kimberley Airport.

COLLECTION OF TENDER DOCUMENTS

Tender documents will be available for collection at the Kimberley Airport, 1st Floor, ACSA Management Officas from Monday, 7 July 2014 from 09:00 to 15:00 on weekdays only until Tuesday, 15 July 2014, subject to valid proof of payment. Tender documents can only be collected upon payment of a non-refundable deposit be collected upon payment of a non-refundable deposit (bank and EFT deposits only - cheques not acceptable) of R1 000.00 per tender into ACSA's bank account. Account details are as follows: Nedbank, Kimberley, Branch Code: 103502, Account No: 1035287870, Account Holder: Airports Company South Africa SCC Ltd (please quote reference KM326/2014 on your deposit) EFT transfer and your company, name). Tenderers are requested to hand deliver the bank deposit sign as proof of payment when collecting the tender document. Tender documents will be available in data CD format. COMPULSON CLARFIE/CATION SESSION AND SITE

COMPULSORY CLARIFICATION SESSION AND SITE

Acompulsory clarification session and site inspection will be held on Tuesday, 15 July 2014 at 12:00 at Kimberley Airport, First Floor, ACSA Management Offices.

All site inspection attendees must also wear a reflective safety vest and safety shoes.

CLOSING DATE AND DEPOSIT OF TENDER DOCUMENTS

The tender closes Monday, 4 August 2014 at 12:00. All tender documents must be provided in original and duplicate (printed format) and sealed in a clearly merked envelope/package marked with the tenderer's name, ander number and tender description, and de the tender box before the tender closi

Tender documents must be deposited at Kimberley Airport, 1st Floor, ACSA Management Offices. Telegraphic, telephonic, telex, facsimile, e-mail and late tenders will not be accepted.

MANDATORY ADMINISTRATION CRITERIA

Tenders that do not meet any one of the following minimum criteria (valid proof/certification must be provided) will be disqualified and will not be evaluated

- Attendance to compulsory clarification session
- Acceptance of Terms and Conditions of Tender
- Tenderers must have a minimum CIDB grading of 6CE

 The lack of an original SARS Tax Clearance Certificate with no explanation/application of same will be disqualified.

NB: No tender will be awarded to any person whose tax matters have not been declared i South African Revenue Service to be in order.

EVALUATION

Only tenderers that have complied with the Mandatory Administration Criteria will be evaluated further. Tenders will be evaluated on a two-lier basis:

Phase 1 - Functionality (Max 100 points)

Tenderers' relevant project experience (40 points)

Experience of key staff (40 points)

 Plant and equipment (20 points) Phase 2 - Price and B-BBEE

Only tenderers scoring a minimum of 75 points out of a 100 for Functionality will be considered for further evaluation on Price and 8-BBEE (90/10 split).

Enquiries and Contact Information nall: Procurement.corp@airports.co.za Fax: +27 86 535 9125

Enquiries close on M 28 July 2014 at 16:00 www.airports.co.za

Airports Company South Africa urges its clients, suppliers, and the

Airports Company South Africa Tip-offs Anonymous FreeCall: 0880 00 80 80 FreeFax: 0800 00 77 88

KIMBERLEY AIRPORT

E-mail: acsa@tip-offs.com Website: www.tip-offs.com AIRPORTS COMPANY SOUTH AFRICA

PUBLIC NOTICE

Acceptance of a prospecting right

Reference number :(NC) 30/5/1/1/2/11 115 PR

In terms of Section 16 of Mineral and Petroleum Resources Development Act of 2002, The Department of Mineral Resources (Northern Cape Region) has accepted an application to prospect for iron ore and manganese ore from Matsapa Trading on farm Vinci 580, Hay Magisterial District.

The Environment Management Plan document(s) is available from the Post Office and the Tsantsabane Municipal as from the 03 July 2014. All the interested and affected members of the public are advised to peruse the document. All those members of the public are urged to consult Rock Runner Consultants at 072 141 4164 if they are unable to visit the Post Office and the Tsantsabane Municipal Office in Postmasburg for them to arrange the accessability of the document. Any comments if there are any should be made in writing after having perused the document not later than 25 July 2014.

Please send your comments for attention of:-

Rock Runner Consultants P.O Box 3226 KIMBERLEY 8300

Fax no: 086 248 5385

Email: admin@rockrunner.co.za

8420 Glerge 053 5130448

(* 03-07-2614)* O.J. Molen Pholen 053 313 7300

DEPARTMENT OF MINERAL RESCURCES PRIVATE BAG 20003

2014-07-07

KIMBERLEY 8300
DEPARTMENT OF
MINERAL RESOURCES

