GRANITE/SYNEITE MINE ON A PORTION OF PORTION 2 AND REMAINING EXTENT OF THE FARM AROAMS 57, AGGENEYS

NORTHERN CAPE PROVINCE



ENVIRONMENTAL PERFORMANCE

ASSESSMENT REPORT

REFERENCE NUMBER	NC 30/5/1/3/2/10746 MP	
AUDIT PERIOD	MARCH 2021	

Prepared For: Lime Sales Ltd Contact person: Mr F Ferreira Tel: 018 787 2010 Cell: 071 681 9432 Postal Address: Po Box 160 Milnerton 7435



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1. PROJECT SPECIFIC DETAIL

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ITEM	LOCATION AND AREA INFORMATION			
Site Name	Aroams Quarry			
Property Description	Portion 2 of the farm Aroams 57 and Remaining Extent			
Location	The mining area is situated on Portion 2 of the farm Aroams 57 approximately 20 km north-east of Aggeneys. The N14 borders the mining area approximately 2.5 km to the south.			
	(Overlapping previously mined areas)			
Size of Mining Area	NC 30/5/1/3/2/10746MP – 5 ha			

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2. ENVIRONMENTAL AUDIT REPORT

PROJECT DETAIL

Permit number:	NC 30/5/1/3/2/10746MP	Date of commencement:	January 2021
Site name:	Aroams Quarry	Inspection date:	March 2021
Contractor:	LIME SALES LTD	Other authorisations:	21 January 2021
Report number:	1	Plant removal	21 January 2021

DETAIL OF AUDITOR (APPENDIX 7 SUB-REGULATION 3(A) & (B)):

ECO:	Murchellin Saal			
EXPERTISE:	Mrs. MD Saal has 9 years of experience in environmental legal compliance audits, (GIS) geographic information system, mining right and permit applications and applications for environmental authorisations & Water use applications.			
DECLARATION OF INDEPENDENCE:	 I Murchellin Saal declare that – I act as independent environmental control officer in this compliance audit; I will perform the work relating to the audit in an objective manner, even if the results and findings are not favourable to the holder of the authorisation; I have expertise in conducting environmental compliance audits, including knowledge of the Act and regulations that have relevance to the activity; I will adhere to and comply with all responsibilities as indicated in the National Environmental Management Act and Environmental Impact Assessment Regulations. I do not have and will not have any vested interest in the activity other than remuneration for work performed in terms of the Environmental Impact Assessment Regulations, 2014 (as amended 2017). Match Signature of ECO Date: 26 March 2021 			





<u>SCOPE & PURPOSE OF ENVIRONMENTAL AUDIT</u> (APPENDIX 7 SUB-REGULATION 3(C)):

This environmental audit report was compiled in terms of the requirements of the NEMA EIA Regulations, 2014 (as amended 2017).

OBJECTIVE:

The objective of the environmental audit report (EAR) is to evaluate compliance of the operational activities with the Environmental Management Programme Report, 2014 (EMPR) as approved by the Department of Mineral Resources in 2015.

INSPECTED AREAS:

The inspection included an assessment of the following areas:

- Access road;
- Weighbridge with offices;
- Stockpile area;
- Crushing area;
- Storage and ablution facilities; and
- Quarry Pit.

In order to establish the environmental compliance assessment of the operation the mining site was inspected on foot by the Environmental Control Officer, Murchellin Saal, of Greenmined Environmental accompanied by Gail Raman and Frikkie Ferreira.

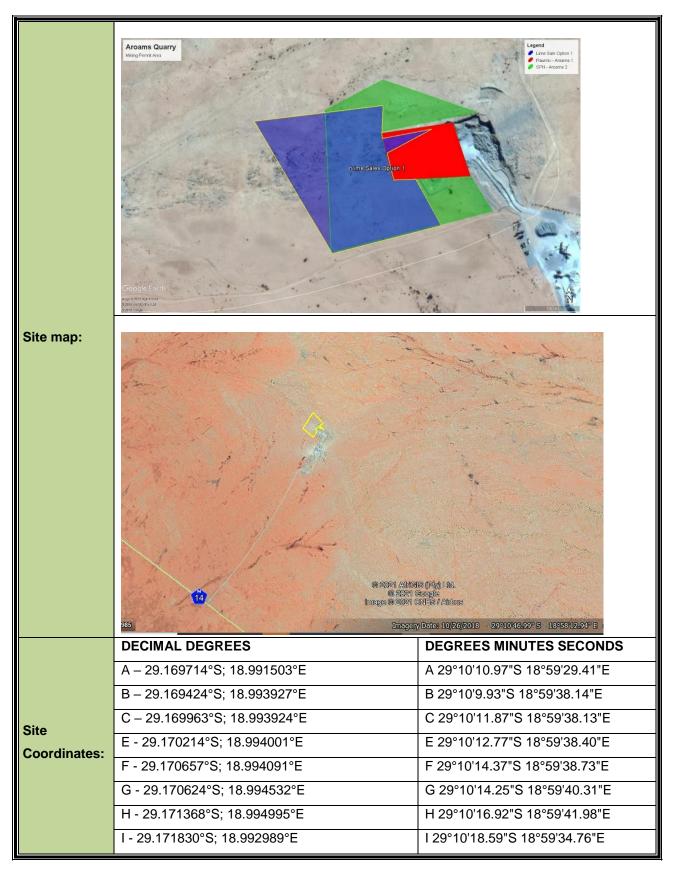
ASSUMPTIONS, UNCERTAINTIES OR GAPS IN KNOWLEDGE (APPENDIX 7 SUB-REGULATION 3(F)):

The assumptions made in this document, stem from specific information gathered during the site audit and background information gathered from site management. No uncertainties or gaps in knowledge could be identified that is applicable during this audit period.

LOCATION

Cita la satismu	The mining area is situated on Portion 2 of the farm Aroams 57 approximately 20 km north- east of Aggeneys. The N14 borders the mining area approximately 2.5 km to the south. The area earmarked for the mining falls on a section of the farm that was previously used as an existing quarry. Lime Sales quarry will be located over a section of the current SPH Kundalila Quarry whereby these mining permits will overlay each other. SPH Kundalila will no longer be mining in the area that is to be allocated for Lime Sales Quarry.
Site location:	The mining methods will make use of blasting means of explosives in order to loosen the hard rock, the material is then loaded and hauled out of the excavation, where primary crushing is conducted in the pit, to the mobile crushing and screening plants. Lime Sales will be using the existing processing area that SPH Kundalila have been using. Potential expansion (less than 1ha) of this proposed processing area will take place. The proposed site will include a section of the old Raumix Mining Permit area that was not utilized during the Raumix mining permit time.







PROJECT DESCRIPTION

Aroams Quarry entails the extension of the existing quarry. SPH Kundalila (Pty) Ltd (SPHK) received a mining permit (Permit No: MP 15/2020, with reference number NC30/5/1/3/2/10746MP) for mining Granite/syenite over 5 ha of the above mentioned property in 2020. Mining started in January 2021.



Figure 1: Location of the Lime Sales mining permit (blue polygon) that this audit is based on. (Image obtained from Google Earth)

The SPHK mining permit borders a mining permit (Permit No: MP 006/2012, with reference number NC30/5/1/3/2/10052MP) held by Raumix Aggregates (Pty) Ltd (Raumix) over 1.5 ha of the property. A closure application for this permit was submitted to the DMRE upon lapse of the third renewal of the permit. However, as the SPHK mining area (10400 MP) takes access through the Raumix permit area (10052MP) and makes use of the same processing area, the closure application cannot be finalised until such time as the SPHK mining area was rehabilitated. In light of this, Raumix signed the rehabilitation liability of its permit (10052MP) over to SPHK who will rehabilitate the entire area (10400MP & 10052MP) upon lapse of the SPHK mining permit.

A new mining permit came into effect for Lime sales permit 15/2020 this permit overlaps the previously mined areas and therefore a transfer of liabilities was submitted to DMRe in February 2021 from SPH Kundalila Pty Ltd Registration 1997/015857/07 to Lime Saled Ltd Registration: 1949/03356/06 from where it will eventually be taken over by Aroams Quarry Pty Ltd Registration: 2019115729/07.

SITE CONDITIONS

Sunny warm day, without wind and dry soil conditions.







REPORTABLE ENVIRONMENTAL INCIDENTS

INCIDENT DATE:	
INCIDENT NO:	No environmental incidents were reported during the audit period.
INCIDENT:	
HOW ADDRESSED:	
WHEN ADDRESSED:	

ADOPTED METHODOLOGY (APPENDIX 7 SUB-REGULATION 3(D):

COMPLIANCE SCORE	DESCRIPTION
1	Task not achieved
2	Task 20% achieved
3	Task 50% achieved
4	Task 80% achieved
5	Task 100% achieved in accordance with the EMPR
NON-COMPLIANCE SCORE	DESCRIPTION
1	LOW – Mitigation not needed / mitigation measures to be maintained
2	MEDIUM – Mitigation should be considered
3	HIGH – Mitigation compulsory



ENVIRONMENTAL PERFORMANCE ASSESSMENT AROAMS QUARRY



INSPECTION ASPECTS

DESCRIPTION	COMPLIANCE SCORE	NON- COMPLIANCE SCORE	STATUS	COMMENTS
		LEGISLATIO		ICE
National Environmental Management Act, 1998 (Act No. 107 of 1998) and the Environmental Impact Assessment Regulations, 2014 (as amended 2017)	5	-	Compliant	DMRE deems the approved EMPR and MP of the quarry compatible with an Environmental Authorisation in terms of NEMA, 1998.
Copy of the EA and EMPR available on site	5	-	Compliant	-
Mineral and Petroleum Resources Development Act, 2002 (Act No 28 of 2002)	5	-	Compliant	Mining commenced in January 2021
Mining permit available on site	5	-	Compliant	A copy of the mining permit is available in the site file.
National Environmental Management: Air Quality Act, 2004 (Act No 39 of 2004)	N/A	-	-	The operations at the quarry does not trigger the NEM:AQA, 2004.
National Environmental Management: Waste Act, 2008 (Act No 59 of 2008)	5	-	Compliant	Although the operations does not require a waste use licence, refuse generated at the mine is handled in accordance with the NEM:WA, 2008.
National Water Act, 1998 (Act 36 of 1998)	N/A	-	-	The operations at the mine does not trigger the NWA, 1998 as municipal water is used.
Copy of Water Use Authorisation available on site.	N/A	-	-	-
National Environmental Management: Biodiversity Act, 2004 (Act No 10 of 2004) (NEM:BA)	5	-	Compliant	The protected plant species present in the mining area are still in place. The plant permit was received in January and is valid until 21 January 2022. See General Report.
Hazardous Substances Act, 1973 (Act 15 of 1973)	5	-	-	At the time of the inspection, the chemicals were neatly stored.





DESCRIPTION	COMPLIANCE SCORE	NON- COMPLIANCE SCORE	STATUS	COMMENTS			
	ASPECTS OF THE AFFECTED ENVIRONMENT						
				NT (EMPR PG 15, 45)			
Topsoil stripping and stockpiling done	5	-	Compliant	Where applicable the topsoil was stripped prior to commencement. However, the area has very little topsoil as the rock is found at surface level.			
Topsoil storage (heaps not exceeding 2 m)	5	-	Compliant	-			
Overburden stripped & stockpiled	N/A	-	-	Due to the nature of the area no overburden needs to be stockpiled.			
Topsoil heaps vegetated	5	-	Compliant	Plants established through succession on the stockpiles.			
Stockpiles monitored for erosion, weeds	5	-	Compliant	The product stockpiles are free of vegetation, while the topsoil			
and foreign matter				stockpiles were free of invader plant species.			
Topsoil returned to rehabilitated area	N/A	-	-	Not yet applicable.			
		VEGETATION (E	MPR PG 16,	42, 46)			
Protected plants (if any) sheltered from mining activities	5	-	Compliant	The protected plants are still in place will be removed as per the approved plant permit. Permit included in photo report.			
Removal of vegetation limited to smallest possible area.	5	-	Compliant	 As discussed on site, only the footprint of the 5 ha mining area may be cleared of vegetation. No natural (undisturbed) areas within the footprint of the processing area may be disturbed prior to the removal of the abovementioned protected plants. 			
Aliens & weeds controlled on site	5	-	Compliant	The overall appearance of the site was free of weeds/invader plants. As discussed the Mesquite bush (<i>Prosopis glandulosa</i>) at the back (western side) of the stockpiles has to be removed the client committed to removing within the next three months.			
No collection of fire wood allowed	5	-	Compliant	-			
FAUNA (EMPR PG 17, 46)							





DESCRIPTION	COMPLIANCE SCORE	NON- COMPLIANCE SCORE	STATUS	COMMENTS
All animals, birds and reptiles protected on site	5	-	Compliant	-
Excavations daily monitored for trapped fauna	5	-	Compliant.	The access ramp of the pit provides an escape route for fauna that may enter the quarry.
	AIR QUA	LITY (EMPR PG 17,	41) AND NO	ISE (EMPR PG 42)
Dust monitoring plan implemented	5	-	Compliant	-
Dust suppression implemented	5	-	Compliant	Dust suppression is implemented when needed with municipal water.
Speed on access roads limited to 40km/h	5	-	Compliant.	-
Mining equipment serviced regularly to ensure noise emissions are minimized	5	-	Compliant.	-
No load music permitted on site	5	-	Compliant.	-
Residents on the property and the	5	-	Compliant	The landowner is informed prior to every blast. As discussed these
surrounding area informed in any unusual noise activities are planned.				notices must be in writing as proof may be needed during audits.
	ARCHAEOL	OGICAL AND CUL	TURAL INTE	REST (EMPR PG 16)
Archaeological and/or cultural remnants protected	N/A	-	-	To date no archaeological and/or cultural remnants have been uncovered.
SURFACE AND STORM WATER MANAGEMENT (EMPR PG 17, 43)				
Storm water diverted around the mining area and access roads to prevent erosion	N/A	-	-	To date no storm water management structures were deemed necessary as this is a water scarce area.
Borehole metered and water use recorded	N/A	-	-	No longer applicable as the mine makes use of municipal water. No borehole water is used on site.





DESCRIPTION	COMPLIANCE SCORE	NON- COMPLIANCE SCORE	STATUS	COMMENTS
Mining conducted in accordance with the Best Practice Guidelines for small scale mining	5	-	Compliant	-
Areas with erosion reinstated	N/A	-	-	No erosion concerns were noted on site.
		VISUAL EXPOSUR		
Is the contractor implementing good visual and housekeeping standard?	5	-	Compliant	At the time of the inspection the mining area was neatly managed.
Height of product stockpiles determined based on visibility of site	5	-	Compliant	Due to the remote location of the quarry pit the visibility of the site is not of high importance. It was suggested that the product heaps rather be stored higher as it lessens the footprint area required.
	HAZAR	DOUS CHEMICAL N	MANAGEMEN	NT (EMPR PG 18)
Hazardous material stored within a bunded area (110% capacity)	5	-	Compliant	Ensure drip trays does not exceed the 110% capacity of the drip tray.
Management of fuel and oil spills	5	-	Compliant	
Drip trays present when refuelling is done outside the service bay	5	-	Compliant	It was confirmed that when refuelling is done a drip tray will be used, no refuelling was done during the time of the inspection.
Temporary work bays for emergency repairs must be provided with a concrete floor or lining. Supplied with oil trap.	5	-	Compliant	Vehicles are serviced off site.
Mining equipment mechanically sound without visible oil leaks	5	-	Compliant	This appeared to be true at the time of the inspection.
		WASTE MANAGEM	ENT (EMPR I	PG 18, 44)
Site free of day-to-day litter	5	-	Compliant	Overall good housekeeping.
Hazardous waste stored in a level area with impermeable floor	5	-	Compliant	
Hazardous and general waste stored separately	5	-	Compliant	-





DESCRIPTION	COMPLIANCE SCORE	NON- COMPLIANCE SCORE	STATUS	COMMENTS
General waste dumped at a recognised	5	-	Compliant	The general waste is discarded at the Aggeneys waste disposal
landfill site				area. The mine has various bins to assist with recycling.
Spill kits available on site	5	-	Compliant	-
No waste burned on site	5	-	Compliant	-
Hazardous waste removed by a	5	-	Compliant	Oilkol removes the used oil from the site.
registered waste handling contractor				Sanco cleans the septic tank, proof is attached.
Waste disposal permits/proof on site	5	-	Compliant	The other hazardous waste (oily rags, contaminated soil etc.) is removed to Aggeneys proof included in the photo report.
No waste stockpile area allowed outside	5	-	Compliant	-
the boundaries of the mining area				
Suitable covered receptacles available	5	-	Compliant	Although some of the bins does not have lids, those bins were
at all times and conveniently placed for				deemed acceptable as long as they are cleaned before reaching
the disposal of waste				capacity.
Contaminated water contained and	5	-	Compliant	Sanco Sanitary Solutions is the contractor responsible for cleaning
removed from site			-	septic tank.
Integrated waste management approach	5	-	Compliant	-
implemented on site				
	POTABLE	WATER AND ABLU	TION FACIL	ITIES (EMPR PG 18)
Ablution facilities available on site	5	-	Compliant	-
Potable water available on site for use of	5	-	Compliant	-
workers				
Sewerage disposed of by a registered	5	-	Compliant	Sanco Sanitary Solutions is the contractor responsible for cleaning
waste collector				septic tank.
		FIRE MAI	NAGEMENT	
Firefighting equipment available on-site	5	-	Compliant	-
No open fires at mining site allowed	5	-	Compliant	
	MINE A	ND EQUIPMENT M	ANAGEMEN	T (EMPR PG 17)





DESCRIPTION	COMPLIANCE SCORE	NON- COMPLIANCE SCORE	STATUS	COMMENTS
Mining area demarcated with visible beacons	5	-	Compliant	Demarcated with visible blue drums
Mining conducted within approved footprint area	5	-	Compliant	
Mine operational within hours as stipulated in the EMPR	5	-	Compliant	-
A public complaints register maintained on site	5	-	Compliant	-
Incident register maintained on site	5	-	Compliant	No environmental incidents occurred during the audit period.
Emergency preparedness plan implemented on site	5	-	Compliant	-
		BLASTING	(EMPR PG 4	3)
Surrounding land users informed of blasting events.	5	-	Compliant	As mentioned the blasting notifications must be writing.
Measures implemented to limit fly rock.	N/A	-	-	No blasting was done in 2021 January to March (thus far).
Fly rock that falls beyond the working area, collected and removed.	N/A	-	-	
ACCI	ESS ROADS, VEH	ICLES AND TRANS	SPORTING O	F MATERIAL (EMPR PG 17, 45)
Access road maintained	5	-	Compliant	-
Vehicle repairs only conducted in service	5	-	Compliant	No vehicle repairs done on site.
bay area, and waste products disposed				
of in containers/bins				
Mining equipment serviced regularly to ensure noise emissions are minimized	5	-	Compliant	-
All mining earth-moving equipment & vehicles operating within site boundaries preventing crisscrossing	5	-	Compliant	





DESCRIPTION	COMPLIANCE SCORE	NON- COMPLIANCE SCORE	STATUS	COMMENTS
	EMPLO	YEE AND SAFETY I	MANAGEME	NT (EMPR PG 43)
No camping allowed on the mining area	5	-	Compliant	-
Workers inducted and informed of EMP conditions within last 12 months.	5	-	Compliant	-
Proof of training available	5	-	Compliant	-
Workers provided with PPE	5	-	Compliant	-
Are there signs present, indicating the mining site and speed restrictions	5	-	Compliant.	-
Effective access control to prevent unauthorised entry.	5	-	Compliant	-



ENVIRONMENTAL PERFORMANCE ASSESSMENT AROAMS QUARRY



<u>COMMENTS OR COMPLAINTS RECEIVED FROM I&AP'S</u> (APPENDIX 7 SUB-REGULATION 3(G) & (J)):

No written comments or complaints were received from any of the surrounding I&AP's during January 2021 – March 2021.

AUDITING OF EA, EMPR AND REPORTING THEREOF (REGULATION 34):

Date of previous	This is the 1 st EPA report for Lime Sales Ltd – March 2021.
EAR/EPA:	
Proof of submission	No reports have been submitted to DMre.
to DMRE available:	
EAR/EPA compiled	The EPA was compiled by Mrs M Saal of Greenmined Environmental (Pty) Ltd.
by independent	
person with	
environmental	
auditing expertise:	
Potential and	The report is available on site to be viewed by I&Aps as well as the website of
registered I&AP's	www.greenmined.co.za
notified within 7 days	
of the submission	
date, and report	
available on publicly	
accessible website	

GENERAL REPORT

Compliance of the mining site with the EMPR was reviewed during the site assessment. The mining area recorded a compliance score of 98% for the audit period January 2021 to March 2021.

Aroams Quarry commenced with initial mining for Lime Saled Ltd in January 2021. However no mining has been done since January 2021. A transfer of liabilities was submitted in February 2021 for which a meeting and site inspection was conducted with DMRe Mrs. Deidre Thompson on the 25th of March 2021.

The boundary of the quarry was neatly demarcated with blue drums.

Hazardous substances and waste handling:

Generators to be fitted with more formal bunds as the plastic lining (currently used) are of temporary nature and prone to tear after long term exposure to the weather. Site management should consider the use of steel pans (such as those used at the diesel tanks) with a 110% capacity. The contaminated soil and plastic lining currently in use, must be disposed of as hazardous waste.

Drip trays must be placed under all stationary vehicles. All drums/containers with oil or other hazardous substance must be fitted with lids to prevent the mixing of rainwater and chemicals. Proof must be filed of the safe disposal certificates.





Protected Plants:

The presence of the protected plant species (previously identified) were confirmed during the audit. The plants are still in place in the undisturbed sections of the processing area and the conservation of the plants need to persist. The plant removal was received on 21 January 2021 and is valid until 21 January 2022.

As discussed, site management must take note that some of the plants germinated in the newly established loading area as the shape of the loading area facilitate the accumulation of runoff water. Unfortunately, these plants may not be moved without a permit and therefore the area must be demarcated and the plants protected until it can be safely removed from the area. The following plants of importance has to date been noted on site (refer to Photographs for examples):

- Avonia papyracea (Gansmis)
- Crassula coralina
- Ebracteola spp.
- Mesembryanthemum guerichianum (Soutslaai)
- Hoodia gordonii (Jakkalsghaap / ghobba / muishondghaap)

General:

The leaking water pipe running along the fence line has to be repaired, please remember water is a scarce commodity and must be conserved.

The area south of the quarry, on the opposite (western) side of the fence, must be reinstated and the topsoil returned as this area falls outside the mining footprint and the footprint of the processing area and no disturbance for mining/-related purposes is allowed.

Dust Fallout dust monitoring:

Reporting for Lime sales started in January 2021 for a three-month period to March 2021. These units were filtered and sent for analysis. The reporting will be included in the June report.

The area earmarked for the mining falls on a section of the farm that was previously used as an existing quarry. Lime Sales quarry will be located over a section of the current SPH Kundalila Quarry whereby these mining permits will overlay each other. SPH Kundalila will no longer be mining in the area that is to be allocated for Lime Sales Quarry. Therefore, the monitoring results for SPH is included in this report.

Below are the dust results of the monitoring results for SPH for September to November 2020. The December results will be included in the next Lime Sales report for June 2021.

All the units 1- 4 were compliant for the 2 months from September to November 2020. The site was again provided with the units for the following three months.

Month	Unit 1	Unit 2	Unit 3	Unit 4
Month 25 September – 25 October 2020	625 mg/m2/day	790 mg/m2/day An increasing trend is noted at this unit,	628 mg/m2/day	625 mg/m2/day
25 October 2020 – 25 November 2020	1085 mg/m2/day	763 mg/m2/day	663 mg/m2/day	1139 mg/m2/day



AROAMS QUARRY- LIME SALES

DOCUMENT CHECKLIST (ENVIRONMENTAL FILE):

Environmental Management Plan	-	Present
Mining Permit	-	Present
Regulation 2(2) Mine Plan	-	Present
Financial Provision Calculation	-	Present
Environmental Assessment Report	-	Present
Incidents/Accidents Register	-	Present
Complaints Register	-	Present
Environmental Awareness Training	-	Present as part of the EMPR
Proof of Waste Disposal		
 General Waste 	-	Present
 Hazardous Waste 	-	Present – Used Oil
 Liquid Waste 	-	Present
Fallout Dust Monitoring Reports	-	Present
Hazardous Substances Inventory	-	Present
Material Safety Data Sheets	-	Present
Plant Permit -		Present

MATTERS TO BE ADDRESSED:

- The disturbed area (outside the mining footprint) must be reinstated.
- When blasting resume, all blasting notices must be in writing.
- Upgrade the bunds of the generators.
- Place drip trays under all stationary vehicles.
- Extend the fence to include the quarry pit.

ABILITY OF EMPR TO ADEQUATELY MANAGE OR MITIGATE ENVIRONMENTAL IMPACTS (APPENDIX 7 SUB-REGULATION 3(E):

It is believed that the EMPR adequately manage and/or mitigate environmental impacts at the mining area.

NEED FOR AMENDMENT OF THE EMPR:

No need for the amendment of the EMPR could be identified during the site assessment. The EMPR still adequately addressed the impacts that the mining activities could have on the receiving environment.

FINANCIAL PROVISION:

The 2020 quantum calculation compiled for Aroams Quarry was submitted to the DMRE 29 October 2019. R278 724.17

ECO SIGNATURE

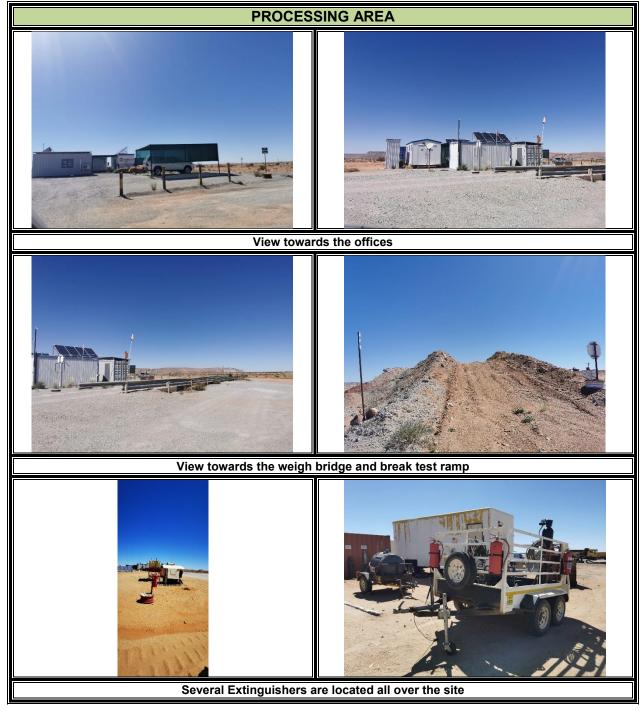
NAME:	SIGNATURE:	DATE:
Murchellin Saal	Mpd.	26 March 2021





ENVIRONMENTAL PERFORMANCE ASSESSMENT AROAMS QUARRY

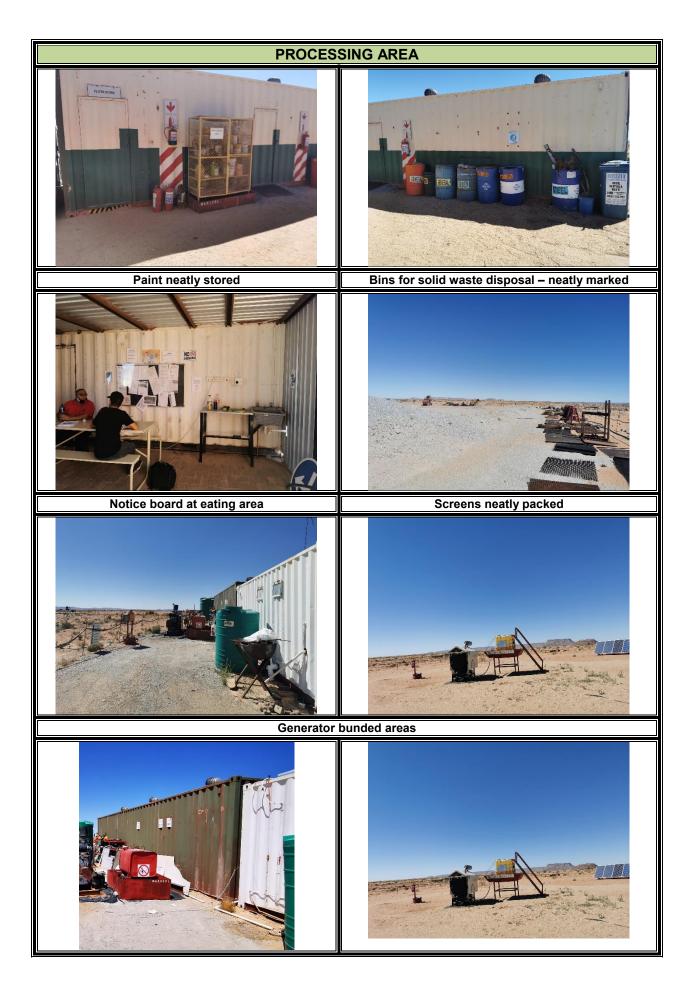






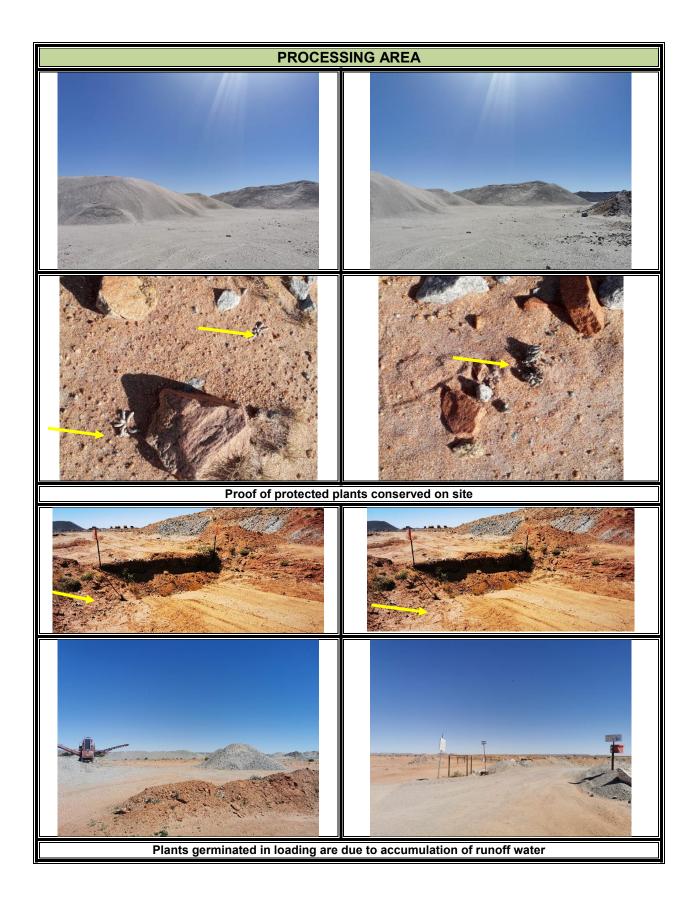


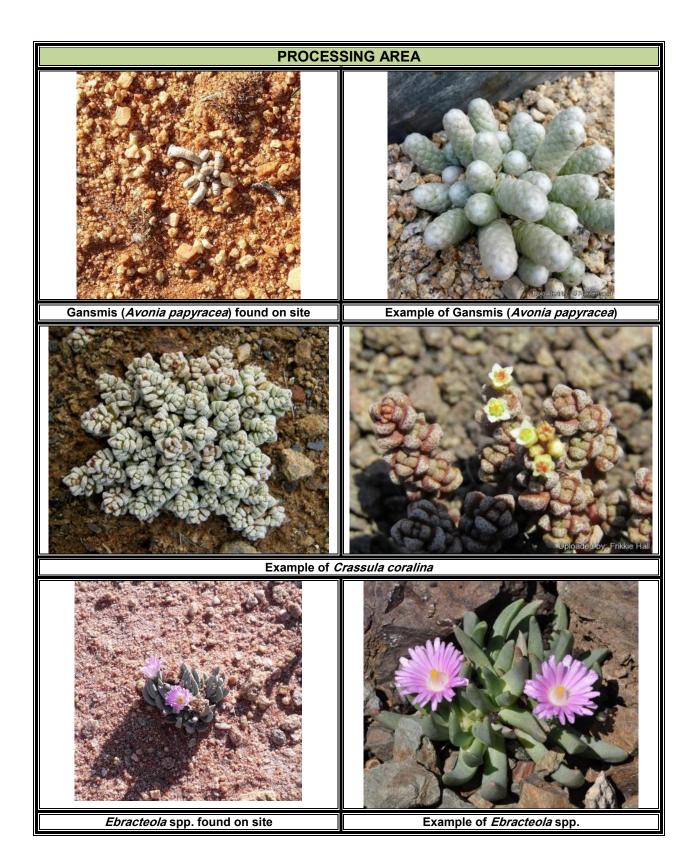


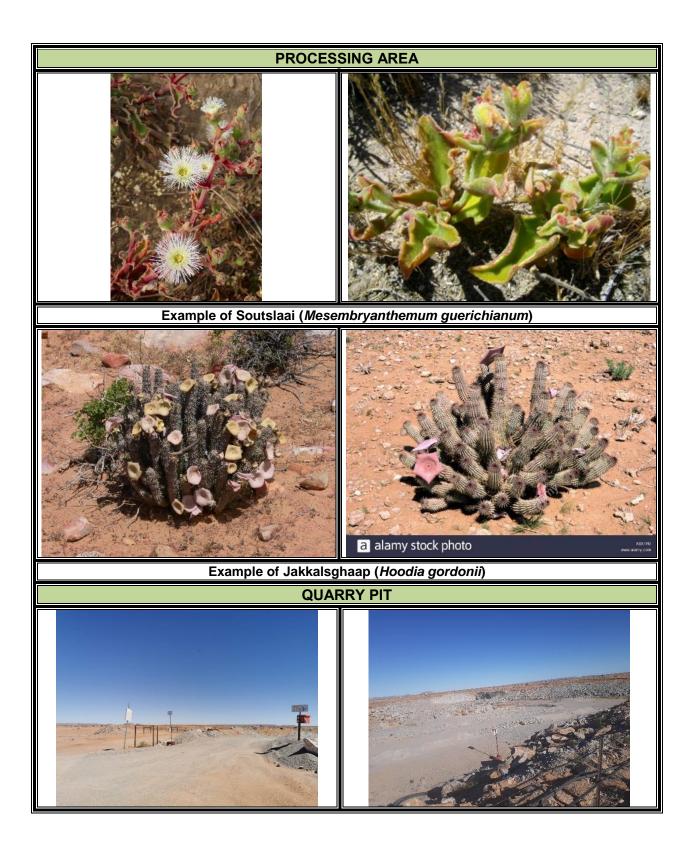


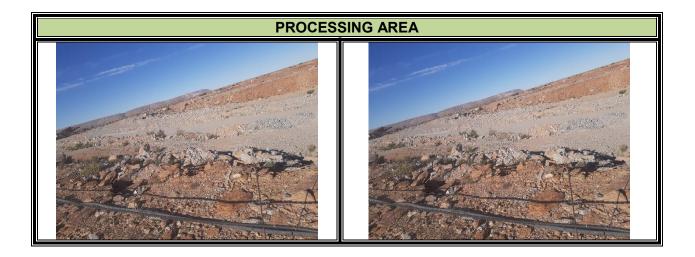


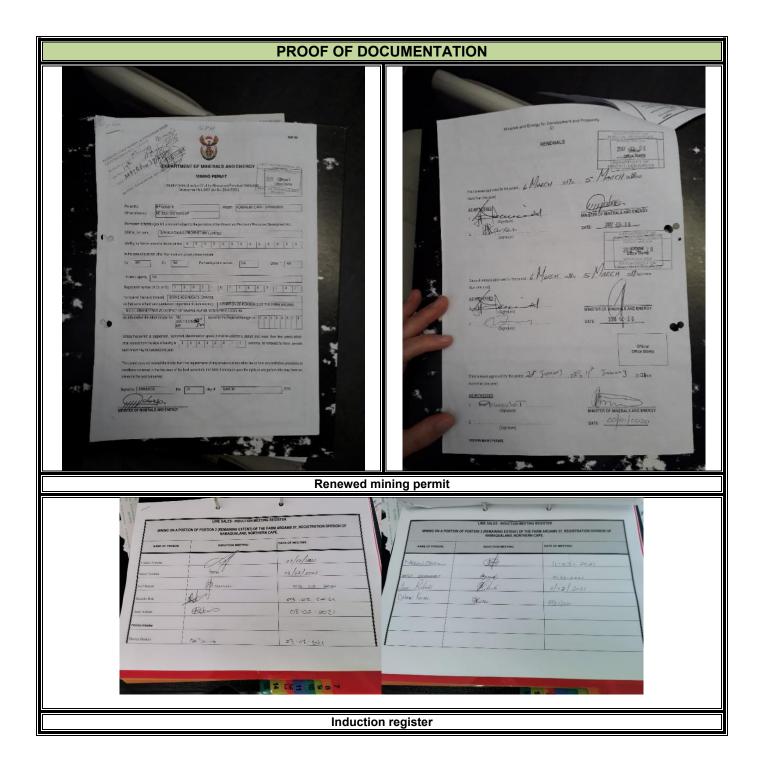




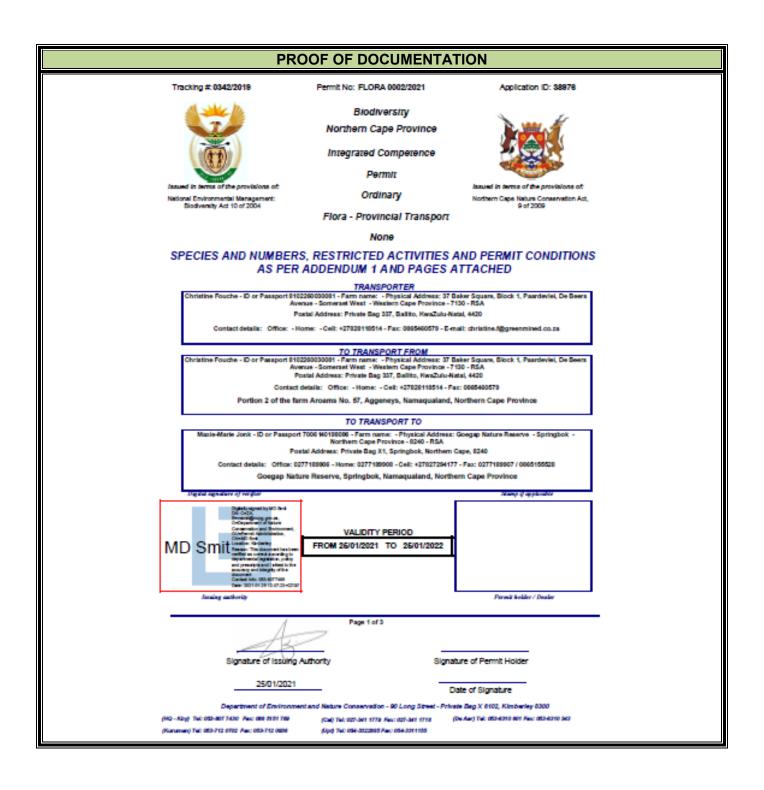






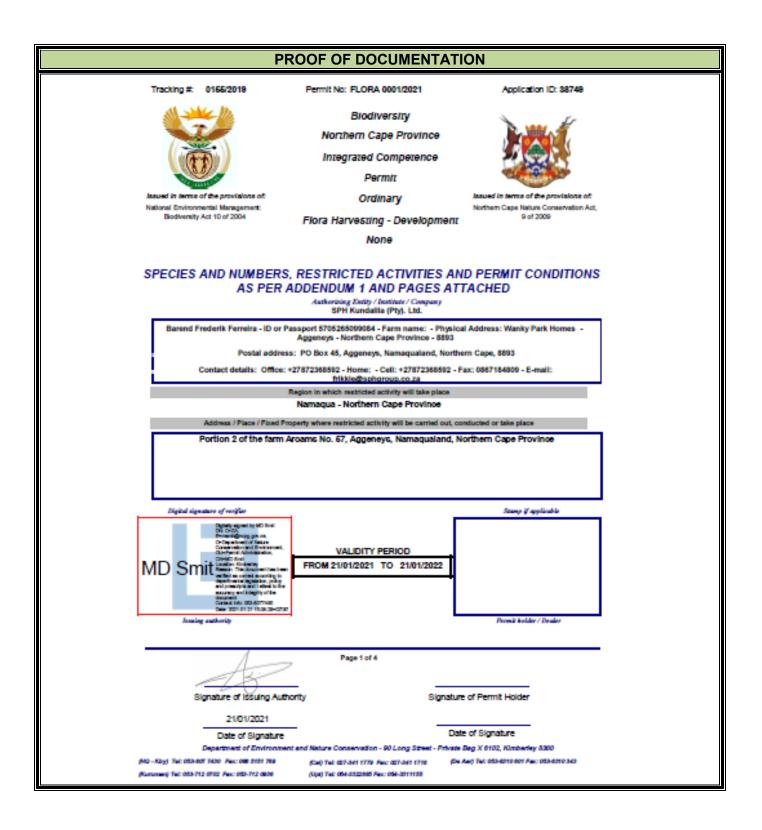






PROOF OF DOCUMENTATION
ODB Number: 0342/2019 Permit No: FLORA 0002/2021 NNO 1/10/3/ 38978
BYLAE 1 / ADDENDUM 1
PRESCRIBED FEES The prescribed fees paid for the lassing of this document shall not be refunded Tarift All unspecified - Amount currently owed: R50 - Debit amount: R50 on 2001/2001 with mosipt number: TN0125 0340/2019 - 8005A110F0-1
SPECIES AND NUMBERS PERMITTED Live, Alos app., , -5 (Five) -Species as:: Not applicable,
Live, Auonis papymosa,13 (Thitteen) -Species and: Not applicable,
Live, Crassula consilina, , - 13 (Thifteen) -Species and Not applicable,
Live, Dinteranthus app., ,Species as:: Not applicable, All apacimens bund within the development tootprint.
Live, Ebracisols ap.,
Live, Hoodia gordonii, Hoodia, Ghasp - 5 (Five) -Species as:: Not applicable,
Live, Mesembryanthemum pautichlanum, , -5 (Five) -Species ess: Not applicable,
Live, Meaembryanthemum ap., ,Species sex: Not applicable, All specimens found within the development footprint.
STANDARD RESTRICTED ACTIVITIES AND METHODS PERMITTED Transporting through the Province any apelianes has pare standard and apelial conditions
SPECIAL RESTRICTED ACTIVITIES AND METHODS PERMITTED
ADDITIONAL RESTRICTED ACTIVITIES AND METHODS PERMITTED None - by using the following prohibited method and/or instrument namely: None
GENERAL PERMIT CONDITIONS APPLICABLE 1) This permit is not invationable to any individual parameters any obtaining a life on any obtaining all identity.
2) Any attentions to this permit shall immediately render t invalid.
3) This permit is deemed valid only: a) in the original format as issued by the Director.
b) for the period as specified on the permit.
c) once the signature of the holder thereof has been endorsed thereon in ink.
4) The Director reserves the right to amend, withhold, withdraw or cancel any permit at any time.
5) This permit shall lapse / be deemed invalid when it is lost or destroyed and no copy thereof shall be issued.
6) This permit, unless otherwise stated, is valid only within the boundaries of the Northern Cape Province and then specifically only for the
property as specified on the permit. 7) This permit does not grant the permit holder automatic access to any Protected area, National Park, Provincial Nature Reserve or privately owned land. Any other / further conditions or restrictions that the manager / landowner may stipulate at his / her discretion must also be adhered to.
adhered to. (0) The permit holder must at all times while performing any neethcled activity have the permit and all relevant documentation in his / her
Page 2 of 3
Signature of Issuing Authority Signature of Permit Holder
25/01/2021 Date of Signature
Department of Environment and Nature Conservation - 90 Long Street - Private Bag X 0102, Kimberley 8300
(MQ - Kky) Tel: 003-007 7430 Fee: 008-0151 709 (5ad) Tel: 027-341 1779 Fee: 027-341 1779 (5e Aw) Tel: 003-6310 801 Fee: 053-6310 362 (Karamen) Tel: 003-6112 000 (Spp Tel: 054-3212055 Fee: 054-3211155

PROOF OF DOCUMENTATION	
ODB Number: 0342/2019 Permit No: FLORA 0002/2021 NNO 1/10/3/ 3897	8
BYLAE 1 / ADDENDUM 1	
some solution.	
a) Permits must be made available upon request of any authorized person. This person must also be allowed access onto the property at my mascrable time for any inspection needed and can remain on such property as long as it is needed to do the inspection.	
(0) If applicable, the permit holder must within 21 days after performing the restricted activity furnish the Director with a written return as meantbed, with feedback on the results of the activity conducted.	
(1) If applicable, the permit holder shall apply for the renewal of the permit to the Director, on the appropriate application form, at least 3 months prior to the exploy date thereof.	
(2) The holder of this permit shall return the original to The Director: Permit Administration, Private Dag X8102, Himberley, 8300, within burteen days from the date of expiny thereof.	
(3) No new permit applications will be processed prior to the return of the original permit, once it has been used or once it has expired.	
(4) This permit is subject to the provisions of any law in force, during the period of validity of the permit, in respect of the specific area to which the permit applies.	
(5) This permit is subject to any applicable norms and standards in existence at the time of issuance of this permit.	
(6) It is the permit holder's responsibility to obtain information on any other legislation or changes thereto and any specifications or permit equirement that may be needed or required from any other department / organization / institute, for any activity as authorized by this permit.	
(7) It should be noted that any transgression, failure to render the required reports and or the return of the original permit, can jeoperdize any sture applications by the permit holder.	
(5) If the holder of this permit contravenes or fails to comply with any permit condition or requirement to which this permit is subject, he or the shall be guilty of an offence.	
STANDARD PERMIT CONDITIONS APPLICABLE	
FLORA TRANSPORT	
 This permit is invalid unless accompanied by the applicable documentation and permits as required from the importing / exporting province or country. 	
SPECIAL PERMIT CONDITIONS APPLICABLE	
ADDITIONAL PERMIT CONDITIONS APPLICABLE	
 The permit holder must note that; 	
a) this permit only authorises the activity you applied for in terms of the Northern Cape Nature Conservation Act, 9 of 2009, and does not supersede Regulation R400 or any other "Lockdown regulations" in place.	
b) permits issued by the Northern Cape: Department of Environment and Nature Conservation does not authories any activity in terms of Regulation R400 proclaimed in terms of section 27(2) of the Disaster Management Act, 2002 (Act 57 of 2002).	
c) permits issued in terms of the Northern Cape Nature Conservation Act, 9 of 2009, does not replace any permits required in terms of Regulation R480.	
c) this permit does not authorise any activity as an "essential service" or "permitted service" as proclaimed in terms of Regulation R400.	
a) a permit issued by the Northern Cape: Department of Environment and Nature Conservation cannot be regarded as a permit to perform an essential or permitted service in terms of regulation 16(2)(b) and regulation 20(4) of Regulation R480.	
 permits in terms of Regulation R480 must be applied for in addition to any Northern Cape: Department of Environment and Nature Conservation permit leaued. 	
/ Page 3 of 3	
Asi	
Signature of Issuing Authority Signature of Permit Holder	
25/01/2021 Date of Signature	
25/01/2021 Date of Signature Department of Environment and Nature Conservation - 90 Long Street - Private Bag X 6102, Kimberley 8300	
Date of Signature	



	PROOF OF DOCUMEN	ITATION	
ODB Number: 0165/2019	Permit No: FLORA 0001/2021	NNO 1/10/3/ 38749	
	ADDENDUM 1		
-	PRESCRIBED FEES		
	ecribed less paid for the issuing of this docu owed: R50 - Debit amount: R50 on 20/01/2019	ment shall not be refunded with receipt number: Y Costzes - 805AF42D74-1	
	SPECIES AND NUMBERS PER	RMITTED	
	x: Not applicable, Specimens found within the d milar habitat outside the development footprint.	levelopment fodprint may be	
Live, Avonia papyracea, 13 (Thirteen	 Species sex: Not applicable, Specimens four milar habitat outside the development footprint. 	nd within the development footprint may be	
Live, Crassula corallina, 13 (Thirteen) -Species sex: Not applicable, Specimens four	nd within the development footprint may be	
Live, Dinteranthus app.,Species	milar habitat outside the development footprint. sec: Not applicable, Specimens found within the	development foolprint may be	
	milar habitat outside the development footprint. : Not applicable, Specimens found within the de	velopment tooprint may be	
removed/translocated/transplanted to a si	millar habitat outside the development footprint.	na found within the development footprint may be	
removed/translocated/transplanted to a si	milar habitat outside the development footprint.		
removed/translocated/transplanted to a si	milar habitat outside the development footprint.	scimens found within the development footprint may be	
Live, Mesembryanthenum sp.,6 removed/translocated/transplanted to a si	pecies sex: Not applicable, Specimens found wit milar habitat outside the development footprint.	hin the development tooprint may be	
	ARD RESTRICTED ACTIVITIES AND I		
Gathering, collecting or plucking by using a "additional conditions".	approved collection methods as stipulated under	"species and numbers permitted" and under	
ADDITK None - by using the following prohibited m	ONAL RESTRICTED ACTIVITIES AND ethod and/or instrument namely: None	METHODS PERMITTED	
	GENERAL PERMIT CONDITIONS	APPLICABLE	
 This permit is not transferable to any in Any alterations to this permit shall immit 	dividual person or any other legal identity.		
3) This permit is deemed valid only:	econery render a render.		
a) in the original format as issued by the l	Director.		
b) for the period as specified on the permit	L.		
c) once the signature of the holder thereo	f has been endorsed thereon in ink.		
d) while the Commitment Letter is being it	mplemented by the permit holder		
4) The Director reserves the right to amer	nd, withhold, withdraw or cancel any permit at any	y time.	
5) This permit shall lapse / be deemed in	valid when it is lost or destroyed and no copy the	reof shall be issued.	
6) This permit, unless otherwise stated, is property as specified on the permit.	valid only within the boundaries of the Northern	Cape Province and then specifically only for the	
As	Page 2 of 4		
Signature of Idduing	Authority	Signature of Permit Holder	
21/01/2021			
Date of Signa	ture	Date of Signature	
	convent and Nature Conservation - 90 Long S		
(H2 - Kby) Tel: 053-807 7430 Fex: 088 5151 1 (Kurumen) Tel: 053-712 0702 Fex: 053-712 08			

PROOF OF DOCUMENTAT	IUN
CDB Number: 0165/2018 Permit No: FLORA 0001/2021	NNO 1/10/3/ 38749
ADDENDUM 1	
 This permit does not grant the permit holder automatic access to any Protected area, National Park, oversel and. Any other / further conditions or restrictions that the manager / landowner may stipulate at adhered to. 	
0) The permit holder must at all times while performing any restricted activity have the permit and all rel possession.	levant documentation in his / her
9) Permits must be made available upon request of any authorized person. This person must also be any reasonable time for any inspection needed and can remain on such property as long as it is needed.	
10) If applicable, the permit holder must within 21 days after performing the restricted activity fumish the preactibed, with feedback on the results of the activity conducted.	e Director with a written return as
11) If applicable, the permit holder shall apply for the renewal of the permit to the Director, on the appro- months prior to the explay date thereof.	priate application form, at least 3
12) The holder of this permit shall return the original to The Director: Permit Administration, Private Bag fourteen days from the date of expiry thereof.	3X6102, Kimberley, 8300, within
13) No new permit applications will be processed prior to the return of the original permit, once it has be	een used or once it has expired.
14) This permit is subject to the provisions of any law in force, during the period of validity of the permit which the permit applies.	, in respect of the specific area to
15) This permit is subject to any applicable norms and standards in existence at the time of issuance of	this permit.
16) It is the permit holder's responsibility to obtain information on any other legislation or changes there requirement that may be needed or required from any other department / organization / institute, for any	
17) It should be noted that any transgression, failure to render the required reports and or the return of future applications by the permit holder.	the original permit, can jeopardize any
10) If the holder of this permit contravenes or fails to comply with any permit condition or requirement to she shall be guilty of an offence.	o which this permit is subject, he or
STANDARD PERMIT CONDITIONS APPLICA 1) The permit holder will be responsible for the supervision during the harvesting process.	BLE
2) The number of plants and weight of seeds mentioned on this permit is the maximum authorized to b	e harvested.
 Detailed records of harvesting and trade must be supplied to the Director: Private Bag X8102, Kimbe on the register provided. 	atey 6300, upon expiry of this permit
 The permit holder will be responsible for semester reporting to the Director: Private Bag X0102, Nmi agreement. 	berley 6300 as per Commitment Letter
5) A summary, upon lapsing / renewal of this permit, should be submitted to the Permit Unit and Scient Development Support (cc denopermitreporta@gmail.com), DENC, on the following:	ific Manager Gr B: Research and
a) The GPS coordinates of the original location of the protected species as well as the GPS coordinate b) Detailed explanations of the methods used to remove and transplant the plants.	as of the new location,
 c) Photo(s) of the transplanted plants, d) Current health status of plants (i.e. how well did the plants acclimatize after being transplanted), 	
 a) GPS coordinates of plants and details of methods used to transplant the plant. 	
SPECIAL PERMIT CONDITIONS APPLICAB	LE
ADDITIONAL PERMIT CONDITIONS APPLICA 1) Care should be taken during the rescue and translocation of protected species (especially all bubbo	us and fleahy species) to prevent
rotting and predation (prone be eaten by porcupine e.g.) to not harm the specimena while rescuing and	translocation.
Page3of4	
Signature of Issuing Authority Signatu	ure of Permit Holder
oundary of hours of hours of hours	
21/01/2021	
21/01/2021	ate of Signature
21/01/2021 Date of Signature Department of Environment and Nature Conservation - 90 Long Street - Private	ate of Signature te Beg X 0102, Filmberley 8300
21/01/2021 Date of Signature Department of Environment and Nature Conservation - 90 Long Street - Private	ate of Signature

PROOF OF DOCUMENTATION
ODB Number: 0165/2019 Permit No: FLORA 0001/2021 NNO 1/10/3/ 38749
ADDENDUM 1
2) Protected from species must be reacued and be used for rehabilitation or directly translocated (transplanted) to a similar habitat in close proximity that is outside the development footprint. Amangements with Goegap NR (Maxie Jonk) is still applicable for interim housing of specimens.
3) Protected tree species may not be removed without a license from the Department of Forestry.
4) The Northern Cape Nature Conservation Cape Act (Act No. 9 of 2009) and all regulations in terms of this Act, as well as all other relevant legislation must be adhered to. The permit holder must adhere to all relevant legislation.
5) Unless otherwise specifically indicated in writing, no material collected under this permit may be used for any commercial practices, nor traded, nor donated, nor cultivated. Should any of these activities be considered, additional permits would have to be applied for.
6) The permit is only applicable to identified footprint per application (harvesting/removal), that is contained under the Environmental Auhtorisation and restricted to Portion 2 of the farm Aroama.
7) The areas that will be disturbed should be clearly demancated prior to the mining activities to avoid areas that are not allowed for clearance from being disturbed.
8) No export of any specimen or its progeny is allowed outside the province / country.
9) A report-back with a complete species list and numbers of species destroyed and/or relocated must be provided to DENC upon the expiry of this permit.
10) Annual reporting on species survivalisuccess must be submitted to DENC for five years by 21 February each year.
11) Outstanding report-backs (as per permit conditions) under former permit MUST be provided by 21 February 2021, otherwise the department will withdraw the permit (containing a list of all species collected and relocated i.e. the species name, the number collected, the collection date and locality, and translocation locality, an update on the success rate (successfully established) of the translocated specimera. Some of the information to be captured include (but not limited to); photo of species, number of specimera per species transplanted, health
status of plants, GPS coordinates of 'new' locations and detailed information on methods used to transplanting the respective species.)
12) Should a report, publication, article or thesis arise from the project/collection, an acknowledgment to DENC must be included. A copy of such must also be provided to the department. A hard copylect copy of the report back should be provided to the DENC Permit Unit (Vamberity) & a soft copy should be sent to DENCPermitReports@gmail.com. The permit reference numbers should be captured in the summary report.
13) The permit holder must note that;
a) this permit only sufforties the activity you applied for in terms of the Northern Cape Nature Conservation Act, 9 of 2009, and does not superside Regulation R480 or any other "Lockdown regulations" in place.
b) permits issued by the Northern Cape: Department of Environment and Nature Conservation does not authorise any activity in terms of Regulation R480 proclaimed in terms of section 27(2) of the Disaster Management Act, 2002 (Act 57 of 2002).
c) permits issued in terms of the Northern Cape Nature Conservation Act, 9 of 2009, does not replace any permits required in terms of Regulation R480.
d) this permit does not authorise any activity as an "essential service" or "permitted service" as proclaimed in terms of Regulation R480.
e) a permit issued by the Northern Cape: Department of Environment and Nature Conservation cannot be regarded as a permit to perform an essential or permitted service in terms of regulation 18(2)(b) and regulation 28(4) of Regulation R480.
 permits in terms of Regulation R480 must be applied for in addition to any Northern Cape: Department of Environment and Nature Conservation permit issued.
Page 4 of 4
Signature of IdSuing Authority Signature of Permit Holder
21/01/2021
Date of Signature Date of Signature
Department of Environment and Nature Conservation - 90 Long Street - Private Bag X 6102, Kimberley 8300 (H2 - Kby) Tel: 053-607 Tel: 068 5151 789 (Cal) Tel: 027-661 1779 Fac: 027-661 1716 (De Au) Tel: 053-6310 661 Fac: 053-6310 343
(Up) Tel: 053-712 0702 Perc: 053-712 0804 (Up) Tel: 064-322088 Perc: 054-3711155
Plant Permits 38976 & 38749