



BASIS OF ESTIMATE FOR MARULA PLATINUM

EMPr AMENDMENT



DRAFT

REPORT NO: 00374

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0	Draft Report	Murendeni Makhado	Environmental Specialist	19/11/2021		





DETAILS OF PRACTITIONERS

NAME	EXPERIENCE / PROFESSIONAL REGISTRATION							
Leon Koekemoer	Leon has a National Diploma in Building (N.Dip. Building) and is an							
Director & Senior Estimator	Associate Member of the Association of South African Quantity							
	Surveyors (ASAQS), registration no. 29649790 and a member of the							
	Land Rehabilitation Society of Southern Africa (LaRSSA). He was a							
	Senior Project Manager for Beckers Building Contractors from 2005 –							
	2011, where his key roles included project management, cost control							
	and quality control. Leon specialises in the development of closure							
	liabilities and models as well as assisting and advising in the closure							
	planning process for mining and industrial sites. His key experience							
	includes the calculation of environmental liabilities and the							
	representation thereof in closure models. His expertise allows him							
	address all categories associated with liabilities such as closure liability							
	cash flows, rehabilitation cash flows, auditing of liabilities and							
	operational closure costing.							
Joani Taljaard	Joani Taljaard graduated with a B.Sc Quantity Surveying (Hons) (Cum							
Quantity Surveyor	Laude) in 2015 from the University of Pretoria. She was a student							
	Quantity Surveyor at Matla Quantity Surveyors (Pretoria) from 2014 to							
	2015, a junior Quantity Surveyor at Tronkon Construction							
	(Potchefstroom) from 2016 to 2018 and a Candidate Quantity Surveyor							
	at QS Africa Construction Consultants (Klerksdorp) from 2018 to 2021							
	where she managed the Potchefstroom office. She worked on a wide							
	range of projects, including commercial developments, residential							
	dwellings, health facilities, educational facilities, and insurance claims.							
	She was employed by E-TEK Consulting in 2021 where she focusses							
	on the calculation of closure liability estimates for scheduled and							
	unscheduled closures, as well as the annual updating of the liability							
	estimates.							





NAME	EXPERIENCE / PROFESSIONAL REGISTRATION									
Pieter Willem Botha	PW Botha obtained his B.Sc degree in Geology and Geography in									
GIS Specialist	2018 and his B.Sc Honours in Hydrology and Geohydrology in 2019									
	from the University of North-West. He completed his M.Sc degree in									
	Hydrology and Geohydrology degree in 2021 while assisting in									
geophysical field work for the Centre of Water Scie										
Management for the North-West University. He joined E-TE										
as a GIS (Geographic Information Systems) Specialist wh										
	responsible for the following aspects: Preparation for annual mine									
	closure liability assessments, Change detection analysis on mining									
	infrastructure with ArcGIS, AutoCAD and field surveys, Design and									
	create precise maps for mine closure liability forecasts, mine closure									
	planning, monitoring and rehabilitation planning, Database									
	administrator responsible for the acquisition, processing, management									
	and maintenance of pertinent geospatial data for project databases for									
	use by E-TEK and clients.									





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TERMS AND ABBREVIATIONS

Table 1: List of Terms and Abbreviations used

TERMS AND ABBREVIATIONS	DESCRIPTION
ASAQS	Association of South African Quantity Surveyors
BoQ	Bill of Quantities
Care and maintenance	This involves the maintaining and corrective action as required as well as conducting the required inspection and monitoring to demonstrate achievement of success of the implemented measures
Closure	This involves the application for closure certificate and initiation of transfer of on-going care and maintenance to third parties
Contingencies	This allows for making reasonable allowance for possible oversights/omissions and possible work not foreseen at the time of compilation of the closure costs. An allowance of between 10 percent and 20 percent would usually be made based on the accuracy of the estimations. The South African Department of Minerals and Energy Guideline (January 2005) requires an allowance of 10 percent
Decommissioning	This relates to the situation after cessation of operations involving the deconstruction/removal and/or transfer of surface infrastructure and the initiation of general site reclamation
DMRE	Department of Mineral Resources and Energy
E-TEK	E-TEK Consulting
EMPr	Environmental Management Programme
FRD	Fine Residue Dump
GA Drawing	General Arrangement Drawing
GNR	Government Notice Regulation
Marula	Marula Platinum Limited
Life of Mine Closure	Closure that happens at the planned date and/or time horizon. Previously referred to as Scheduled Closure
LaRSSA	Land Rehabilitation Society of Southern Africa
MPRDA	Minerals Petroleum Resources Development Act (No. 28 of 2008)
NEMA	National Environmental Management Act (No. 107 of 1998)
Post-closure	The period after mine closure
Preliminary and Generals (P&Gs)	This is a key cost item which is directly related to whether or not third-party contractors have applied for site reclamation. This cost item comprises both fixed and time-related charges. The former makes allowance for establishment (and dis-establishment) of contractors on-site, as well as covering their operational requirements for their offices



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	(electricity /water /communications), latrines, etc. Time-related items make allowance for the running costs of the fixed charge items for the contract period
Premature Closure	The immediate closure of a site, representing decommissioning and reclamation of the site in its present state. Previously referred to as Unscheduled Closure
Reclamation	The reinstatement of a disturbed area into a usable state (not necessarily its pre-mining state) as defined by broad land use and related performance objectives
Rehabilitation	The return of a disturbed area to its original state, or as close as possible to this state
Remediation	To assist in the reclamation process by enhancing the quality of an area through specific actions to improve especially bio-physical site conditions
Site relinquishment	Receipt of closure certificate and handover to third parties for on-going care and maintenance, if required
SLR	SLR Consulting (Africa) (Pty) Ltd
VAT	Value-added tax
ZAR	South African Rands





1. INTRODUCTION AND SUMMARY

1.1. INTRODUCTION

E-TEK Consulting (Pty) Ltd (E-TEK) was requested by Marula Platinum (Pty) Ltd (Marula) to assist with the determination of the financial provision for the proposed Ventilation Shaft 8 & 9 at the Marula Platinum Mine, Rustenburg Operation (Marula).

Marula is situated approximately 50km north of Burgersfort in the Limpopo Province. Marula is one of the first operations to be developed on the eastern limb of the Bushveld Complex. The operation consists of two decline shafts, concentrator plant, waste rock dump and a tailings complex.

The financial provision was calculated according to the requirements of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA). (Refer to Government Notice Regulation (GNR) 1147) (GN R1147) published in November 2015.

This report summarises the financial provision required for the proposed project. The financial provision represents a 10-year liability forecast, as required by legislation:

Table 2: Financial Provision Forecast

OPERATION / PROJECT	PREMATURE CLOSURE	CLOSURE FORECAST
Proposed Ventilation Shaft 8 & 9	Y2021	Y2022 - Y2030

Table 3 presents a list of typical closure components and the applicability thereof as part of the calculation process:

Table 3: List of Closure Components

	CLOSURE COMPONENTS							
1	INFRASTRUCTURAL ASPECTS							
1.1	Plant and Related Structures	No						
1.2	Shafts, Audits and Declines	Yes						
1.3	Supporting Infrastructure	Yes						
1.4	Underground Infrastructure	No						
1.5	Social Infrastructure	No						
1.6	Off-Site Infrastructure	No						
1.7	Linear Items	Yes						
1.8	Waste Disposal	Yes						
1.9	River Diversion	No						



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	CLOSURE COMPONENTS A							
2	MINING ASPECTS							
2.1	Opencast / Pit Areas	No						
2.2	Waste Rock Dumps (WRDs) - Overburden and Spoils	No						
2.3	Coarse Residue Deposits - Processing Waste	No						
2.4	Fine Residue Deposits - Processing Waste	No						
3	BIO-PHYSICAL CLOSURE ASPECTS							
3.1	Water Resources	No						
3.2	Sensitive Habitats and Biodiversity	No						
3.3	Land Use and Land Capability	No						
3.4	Soil	No						
3.5	Other; Air Quality and Topography	No						
4	SOCIAL CLOSURE ASPECTS							
4.1	Employees	No						
4.2	Interested and Affected Parties	No						
4.3	Government	No						
5	GENERAL ASPECTS							
5.1	General Surfaces	Yes						
5.2	Post-Closure Monitoring and Maintenance	Yes						
5.3	Specialist Studies	No						

Note:

- Quantities were obtained from drawings and information as supplied by SLR.
- Rates used were obtained from E-TEK's existing database and in consultation with demolition and earthworks contractors. The rates are updated annually; and
- Closure cost estimates are based on the Y2021 rates.





1.2. SUMMARY

The financial provision represents a 10-year forecast of the proposed project. The financial provision takes into consideration the proposed project schedule for implementation. Marula is to financially provide for the highest liability figure out of the 10-year closure forecast, which has been calculated at:

Closure Forecast (Y2029): R 11, 46million (Rounded).

The above figure includes Preliminary and Generals (P&G's) (6%), Contingencies (10%) and value-added tax (VAT) (15%).

Table 4 provides a summary of the closure liability estimates based on the 10-year Forecast:





Table 4: Marula Platinum Limited – Proposed Ventilation Shaft 8 & 9

	MARULA PLATINUM - VENTILATION SHAFT - EMPr AMENDMENT FINANCIAL PROVISION SUMMARY																					
	ESTIMATED CLOSURE COST ESTIMATES (INCLUDES P&G'S, CONTINGENCIES AND VAT AND EXCLUDES ESCALATION)		Premature Closure	nature Closure		Closure Forecast		Closure Forecast		Closure Forecast		Closure Forecast		Closure Forecast		Closure Forecast		CI	osure Forecast	Clo	sure Forecast	
CLOSURE COMPONENTS			2021	2022		2023			2024		2025		2026	2027		2028		2029		2030		
1	1 INFRASTRUCTURAL ASPECTS		R -	R	R 1 788 534,33 R		R 3 743 630,12		R 4 128 636,04		R 4 128 636,04		4 874 488,13	R	4 874 488,13	R	4 874 488,13	R	7 165 732,21	R :	7 165 732,21	
1,1	PLANT AND RELATED STRUCTURES		R -	R	-	R	-	R	-	R	-		-	R		R	-	R	-	R	-	
1,2	SHAFTS, ADITS AND DECLINES		R -	R	1 384 381,40		2 671 367,15	R	2 671 367,15		2 671 367,15		3 399 027,72	R	3 399 027,72		3 399 027,72	R	5 548 682,22	R	5 548 682,22	
1,3	SUPPORTING INFRASTRUCTURE		R -	R		R	-	R		R		R	356 659,20	R	000 000,20	R	356 659,20	R	356 659,20	R	356 659,20	
1,4	UNDERGROUND INFRASTRUCTURE		R -	R		R		R		R		R	-	R		R	-	R	-	R	-	
1,5	SOCIAL INFRASTRUCTURE		R -	R		R	-	R		R		R	-	R		R	-	R	-	R	-	
1,6	OFF-SITE INFRASTRUCTURE		R -	R		R		I R		R		R	-	R		R		R		K	-	
1,7	LINEAR ITEMS		11	R R		R R	990 470,11	R		R		R	994 349,81	R		R R	994 349,81	K		R R	994 349,81	
1,8	WASTE DISPOSAL		R -	K	10 001,00	• •	81 792,86	K	100 200,00	K	106 259,88		124 451,40	ĸ			124 451,40	ĸ			266 040,98	
2	MINING ASPECTS		R -	ĸ		R	-	R	-	ĸ		R	-	R	-	R	-	R		R	-	
2,1	OPENCAST / PIT AREAS		R -	R		R		R		R	-		-	R		R	-	R		R	-	
2,2	WASTE ROCK DUMPS - OVERBURDEN AND SPOILS		R -	R		R	-	R		R			-	R		R	-	R	-	<u>R</u>	-	
2,3	COARSE RESIDUE DEPOSITS - PROCESSING WASTE		R -	R		R	-	R		R R		R R	-	R		R	-	R	-	R	-	
2,4	FINE RESIDUE DEPOSITS - PROCESSING WASTE		13	ĸ			-	11		K			-	ĸ		ĸ	-	11	-	K	-	
3	BIO-PHYSICAL CLOSURE ASPECTS		R -	ĸ		R	-	R	-	ĸ	-	R	-	ĸ	-	ĸ	-	R	-	K	-	
3,1	WATER RESOURCES		R -	R		R	-	R		R		R	-	R		R	-	R	-	R	-	
3,2	CLIMATE CHANGE		R -	R		R	-	R		R R		R	-	R		R	-	R	-	R	-	
3,3	SENSITIVE HABITATS & BIODIVERSITY LAND USE & LAND CAPABILITY		R -	R		R		I K		R		R R	-	К		R	-	<u> </u>	-	K	-	
3,4	SOIL		R -	R		R	-	K		R		R	-	K		R	-	K	-	K	-	
3,5	OTHER: AIR QUALITY & TOPOGRAPHY		R -	R		R	-	R D		R		R		K		R	-	R	-	R D	-	
3,6	SOCIAL CLOSURE ASPECTS		_	R.		R		R D		R	-	R		K		r.	-	R D		<u> </u>	-	
_			R -	K				K	-	K	-	•••	•	ĸ	-	ĸ	-	ĸ	-	ĸ		
4,1	EMPLOYEES INTERESTED AND AFFECTED PARTIES		R -	R		R	-	R		R R		R	-	R		R	-	R	-	K D	-	
4,2	GOVERNMENT		R -	R		R		R D		R		R	-	K		R		R		R	-	
4,3 5	GENERAL ASPECTS		_			• •	7 926.46	D	1 407 926.46			R	1 422 690.43	_	1 422 690.43		1 422 690.43	R	1 422 690.43	• •	1 407 926.46	
								K		K 1			, -	K	,	K	,	K	, -	K		
5,1 5,2	GENERAL SURFACES POST CLOSURE MONITORING AND MAINTENANCE		R -	R	1 394 937,40 12 989.06	R 1	12 989.06	I R	1 394 937,40 12 989.06	K	1 721 389,55 27 712,69	<u>K</u>	1 394 937,40 27 753,03	K	1 394 937,40 27 753,03	R	1 394 937,40 27 753,03	R	1 394 937,40 27 753,03	R	1 394 937,40 12 989,06	
5,2	SPECIALIST STUDIES		R -	R	12 969,06	R D	12 969,06			R	27 712,09	<u></u>	21 153,03	<u>K</u>		R		R	21 153,03	<u> </u>	12 969,06	
5,5	SFECIALIST STUDIES			_	-	N.		N	-	Γ.	-		-	Λ.	-	Λ.	-		-	Λ	-	
	SUB-TOTAL 1		R -	Ь	3 196 460,80	D 5 15	1 556 50	Ь	5 536 562,51	D 5	877 738,28	ь	6 297 178,56	ь	6 207 179 56	ь	6 207 179 56	ь	0 500 422 64	ь .	0 572 650 60	
	332 13112			R						R										, n		
	Weighted Preliminary and General		R -				308 314,05	K	001 111,11	K -	001 001,01	R	376 165,53	K -	0.0.00,00	R	0.0.00,00	R	513 640,18	K -	513 640,18	
	Weighted Contingencies		R -	R	319 646,08		515 155,66	R	553 656,25	R	587 773,83	R	629 717,86	R	629 717,86	R	629 717,86	R	858 842,26	R	857 365,87	
SUB-TOTAL 2 FOR P&G's AND CONTINGENCIES			R -	R	510 654,38	R 82	23 469,71	R	885 070,66	R	938 775,36	R	1 005 883,39	R	1 005 883,39	R	1 005 883,39	R	1 372 482,44	R	1 371 006,04	
SUB-TOTAL 3			R -	R	3 707 115,18	R 5 97	75 026,29	R	6 421 633,16	R 6	816 513,65	R	7 303 061,95	R	7 303 061,95	R	7 303 061,95	R	9 960 905,08	R S	9 944 664,72	
VAT		15%	R -	R	556 067,28	R	896 253,94	R	963 244,97	R	1 022 477,05	R	1 095 459,29	R	1 095 459,29	R	1 095 459,29	R	1 494 135,76	R	1 491 699,71	
GRAND-TOTAL			R -	R	4 263 182,46	R 687	71 280.24	R	7 384 878.14	R 7	838 990.69	R	8 398 521,24	R	8 398 521,24	R	8 398 521.24	R 1	1 455 040.85	R 1	1 436 364.43	
	3.000																					





2. CLOSURE COMPONENTS

The following components were identified and form part of the calculation:

- Ventilation Shaft 8 at the Clapham Shaft:
 - Ventilation shaft (Downcast);
 - Bulk air cooler;
 - o Refrigeration plant & Condenser cooling towers.
- Ventilation Shaft 9 at the Driekop Shaft:
 - Ventilation shaft with surface main fans and electrical rooms.
- Water pipelines;
- Wastewater pipelines;
- Powerlines;
- TSF pipeline;
- Clapham change house;
- Driekop change house;
- Low grade ROM stockpile;
- Compressed airline upgrade

See Figure 1 depicting the general arrangement and locality of the proposed project in relation to the existing infrastructure:





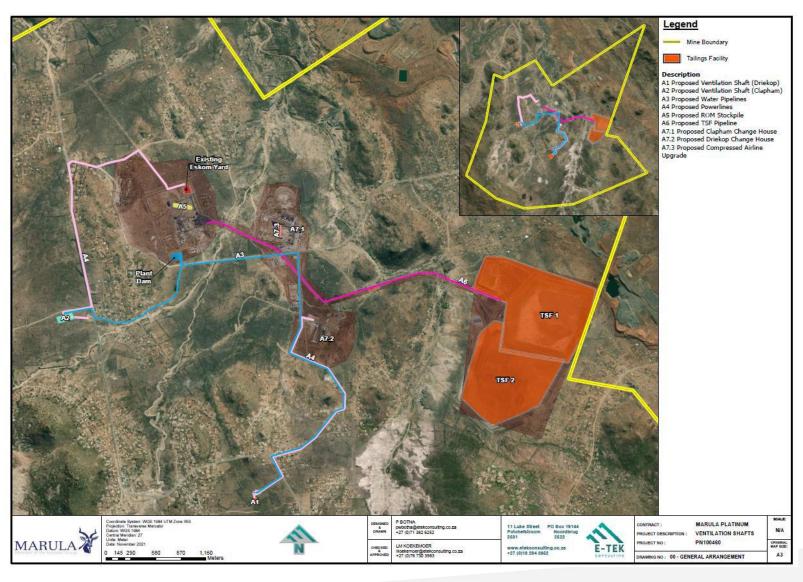


Figure 1: Locality of Proposed Project





3. CLOSURE COST ESTIMATION METHODOLOGY AND PROCEDURE

3.1. METHODOLOGY APPLIED TO LIABILITY MODEL

The following approach was applied to determine the financial provision:

- Financial models were developed to cater for the requirements of GNR 1147;
- The costing models were developed to address all the identified closure components applicable to Marula;
- The costing models provide the following output:
 - Executive Summary (Summary of all closure components and associated costs where applicable);
 - P&G's: Allocation of P&G's for each component and provides weighted P&G's, as certain P&G's allowances, can vary per component);
 - Contingencies (Allocation of Contingencies for each component and provides weighted Contingencies, as certain Contingency allowances can vary per component);
 - Closure Components Summary (Provides a summary of all costs per closure component). The five main closure components have been identified as follows:
 - Infrastructural Aspects;
 - Mining Aspects;
 - Biophysical Closure Aspects;
 - Social Closure Aspects; and
 - General Aspects.
 - Closure Components (Breakdown of the detail facilities and aspects under each of the five main closure components); and
 - Rates Table (Unit rates for various actions required).
- The following information is captured for each closure component where applicable:
 - Reference Map (Reference map number representing the associated closure component);
 - Geographical (GEO) Reference (Reference number for each closure component as represented on the reference map);
 - Year Captured (When each component was captured into the model or updated):
 - Cost Component (Name of closure component captured);
 - Description (Breakdown of the properties per cost component);
 - Supporting Documentation (Hyperlink to associated supporting information such as drawings, designs or Bill of Quantities);
 - o Liable (Yes or No, indication if the mine is liable for the component or not);
 - Rate Code (Assigned rate code from the rates table);
 - Quantity (Quantity per component captured);
 - Unit (Unit of measurement);
 - Unit Rate (Rate assigned from the rate code aligned to the activity);





- Unit Total (Total amount for each component);
- o Liable Value (Presentation of the total amount liable for per component); and
- Notes (Captures any assumptions or dedicated information).

3.2. ASSESSMENT METHODOLOGY

The approach followed with the determination of the closure costs could be summarised as follows:

- Review of available information and identification of infrastructure that would need to be decommissioned at closure;
- Gathering of relevant data which forms the basis of the calculation;
- All-newly proposed infrastructure was assigned with a reference number which can be referenced directly to the costing model;
- Reference map was created indicating the position of the proposed infrastructure in relation to the existing infrastructure;
- Closure criteria was developed and workshopped with Marula as part of the annual liability assessment;
- The closure forecast was based on the proposed project timeframe;
- Compilation of a Bill of Quantities (BoQ) capturing the quantities and actions relating to the closure of the different closure aspects (Microsoft excel format); and
- Unit rates from E-TEK's database were updated to be aligned with the current marketrelated rates acquired from local civil- and demolition contractors. (Note – these rates refer to closure conditions when the mine is no longer operational).

4. INFORMATION

The following information formed the basis of the calculation process:

- Closure Criteria (E-TEK Database);
- Latest lidar imagery of 2021 (E-TEK Database);
- General Arrangement Drawing (SLR);
- Project Description (SLR); and
- Project Schedule (SLR).

5. ASSUMPTIONS

The following general and site-specific assumptions and qualifications for each of the closure components listed in section 2 and 3 for Marula are described below:

5.1. GENERAL ASSUMPTIONS

- The financial provision represents a 10-year closure forecast;
- The currency of estimate: South African Rands (ZAR);
- Costing was based on today's value and no allowance was made for future value;
- As per regulatory requirements, no allowance was made to offset the value of scrap steel and or salvageable equipment to the liability;





- It was accepted that all information used to support the costing supplied by Marula and Specialists was accurate and true; this report only addresses the decommissioning and reclamation costs, equating to an outside (third party) contractor establishing onsite and conducting reclamation-related work. Other components such as staffing of the site after decommissioning, the infrastructure and support services (e.g. power supply, etc.) for this staff as well as workforce matters such as separation packages, retraining /re-skilling, etc. are outside the scope of this report;
- Based on the above, dedicated contractors would be commissioned to conduct the demolition and reclamation work on the site. This would inter alia require the establishment and overhead costs for the contractors and hence, the allowance for P&Gs in the cost estimate:
- Allowance has also been made for third-party contractors and consultants to conduct post-closure care and maintenance work as well as compliance monitoring;
- The financial provision calculated represents the financial requirements to implement the closure criteria identified and agreed upon as part of the closure plan; and
- Weighted percentages for P&Gs and Contingencies have been applied, VAT is also included:
 - P&G's 6% Overall Allowance;
 - Contingencies 10% Overall Allowance; and
 - VAT 15% Overall Allowance

5.2. SITE-SPECIFIC ASSUMPTIONS

- Quantities were obtained from information supplied by SLR and Marula.
- Where information was not available, estimates were made based on experience and benchmarked against similar facilities elsewhere.
- All drawings and information used is in the feasibility phase and construction drawings is required to confirm the final quantities.
- General surface rehabilitation as per Marula's current criteria will apply;
- Steel and re-useable material, salvaged from the plant demolition and which has a salvage value, will be relocated to an authorized facility within a 30km radius to be sold or auctioned off. However, as per the regulatory requirements, the salvage value of steel and salvageable equipment have not been considered as part of the closure costing;
- It has been assumed all inert demolition waste will be disposed of into shaft portals before capping; and
- No beneficial use for infrastructure is currently allowed for an all infrastructure will be removed.

6. CLOSURE CRITERIA

All physical closure criteria were updated and refined during the annual updating process of the liability. Internal workshop sessions were held to update the closure criteria for all physical closure components based on updated information and inputs from operational personnel.

Please see the IA Summary Tab (Appendix A) for the closure criteria applicable to the closure components quantified.





7. CONCLUSION AND WAY FORWARD

7.1. CONCLUSION

The closure costs as reflected in this report have been based on information obtained from SLR, Marula, and quantities updated by E-TEK. In the event of the required information not being available, estimates were made based on experience and benchmarked against similar facilities elsewhere. Unit rates for the costing were obtained from E-TEK's existing database and/or through previous experience and consultation with demolition, earthworks contractors, and rehabilitation practitioners. Where required, these were adapted to reflect site-specific conditions.

Notwithstanding the above, if the closure measures are implemented as envisaged, the reflected costs provide a good indication of the costs for the closure situations as calculated and should provide a good basis for making the required financial provision. The closure costs calculated will only apply to closure situations and do not cater for operational closure and concurrent rehabilitation during the operational phase. <u>Operational closure will require higher</u> allowances for P&G's and Contingencies to appointed contractors.

7.2. WAY FORWARD

Quantities will be verified when construction drawings are issued and updated on an annual basis as part of the annual closure liability update. All variances will be captured and updated accordingly.







Appendix A: Closure Liability Estimate

Appendix B: Reference Map





DOCUMENT SIGN-OFF

CONSULTANT SIGNATORIES:

	July and
Leon Koekemoer	Joani Taljaard
Director/ Senior Estimator	Quantity Surveyor
CLIENT SIGNATORIES:	
Name	Name
Capacity	Capacity





E-TEK DOCUMENT PRECINCTS

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Ventilation Shaft 8 & 9 - EMPr Amendment

					MARULA PL				ON SHAFT - EMI		AMENDMENT										
ESTIMATED	CLOSURE COST ESTIMATES (INCLUDES P&G'S, CONTINGENCIES AND VAT AND EXCLUDES ESCALATION)		Premature Closure	c	Closure Forecast	Closu	ire Forecast	c	Closure Forecast	С	Closure Forecast	С	Closure Forecast	C	osure Forecast	С	losure Forecast	С	losure Forecast	Clo	osure Forecast
	CLOSURE COMPONENTS		2021		2022		2023		2024		2025		2026		2027		2028		2029		2030
1	INFRASTRUCTURAL ASPECTS		R -	R	1 788 534,33	R 37	743 630,12	R	4 128 636,04	R	4 128 636,04	R	4 874 488,13	R	4 874 488,13	R	4 874 488,13	R	7 165 732,21	R	7 165 732,21
1,1	PLANT AND RELATED STRUCTURES		R -	R	-	R	-	R	-	R	-	R	-	R	-	R	-	R	-	R	-
1,2	SHAFTS, ADITS AND DECLINES		R -	R	1 384 381,40		2 671 367,15	R	2 671 367,15	R		R	3 399 027,72	R	3 399 027,72	R	0 000 021,12	R		R	5 548 682,22
1,3	SUPPORTING INFRASTRUCTURE		R -	R	-	R	-	R	356 659,20	R		R	356 659,20	R	356 659,20	R	356 659,20	R	356 659,20	R	356 659,20
1,4	UNDERGROUND INFRASTRUCTURE		R -	R	-	R	-	R	-	R		R	-	R	-	R		R	-	R	-
1,5	SOCIAL INFRASTRUCTURE		R -	R	-	R	-	R	-	R		R	-	R	-	R		R		R	-
1,6	OFF-SITE INFRASTRUCTURE		R -	R		R	-	R		R		R	-	R	-	R	-	R		R	-
1,7	LINEAR ITEMS		R -	R	000 0 10,11	R	0000,	R	994 349,81	R		R	994 349,81	K	994 349,81	K	994 349,81	R	994 349,81	R	994 349,81
1,8	WASTE DISPOSAL		11	K	,	R	81 792,86	К	106 259,88	К	106 259,88	R	124 451,40	K	124 451,40		124 451,40	R	266 040,98	R	266 040,98
2	MINING ASPECTS		R -	R	-	R	-	К	-	R	-	R	•	R		R	-	R	-	R	-
2,1	OPENCAST / PIT AREAS		R -	R		R		R		R	-		-	R		R		R		R	-
2,2	WASTE ROCK DUMPS - OVERBURDEN AND SPOILS		R -	R	-	R	-	R	-	R		R	-	R		R	-	R	-	R	-
2,3	COARSE RESIDUE DEPOSITS - PROCESSING WASTE		R -	R		R	-	R		R		R	-	R		R	-	R	-	R	-
2,4	FINE RESIDUE DEPOSITS - PROCESSING WASTE		R -	R	-	R	-	K		R	-	R	-	R		R	-	R	-	R	-
3	BIO-PHYSICAL CLOSURE ASPECTS		R -	R	-	R	-	R	-	R	-	R	-	R	-	R	-	R	-	R	-
3,1	WATER RESOURCES		R -	R	-	R	-	R		R	-		-	R		R	-	R	-	R	-
3,2	CLIMATE CHANGE		R -	R	-	R	-	R		R		R	-	R		R	-	R	-	R	-
3,3	SENSITIVE HABITATS & BIODIVERSITY		R -	R	-	R	-	R		R		R	-	R		R	-	R	-	R	-
3,4	LAND USE & LAND CAPABILITY		R -	R	-	R	-	R	-	R		R	-	R	-	R	-	R	-	R	-
3,5	SOIL		R -	R	-	R	-	R		R		R	-	R	-	R	-	R		R	-
3,6	OTHER: AIR QUALITY & TOPOGRAPHY		R -	R	-	R	-	K		R	-		-	R		R	-	R	-	R	-
4	SOCIAL CLOSURE ASPECTS		R -	R	-	R	-	R	-	R	-	R	-	R		R	-	R	-	R	-
4,1	EMPLOYEES		R -	R		R	-	R	-	R	-	٠.	-	R		R	-	R	-	R	-
4,2	INTERESTED AND AFFECTED PARTIES		R -	R	-	R	-	R		R		R	-	R		R	-	R	-	R	-
4,3	GOVERNMENT		R -	R	-	R	-	R		R		R	-	R		R	-	R	-	R	-
5	GENERAL ASPECTS		R -	R	1 407 926,46		407 926,46	R	1 407 926,46	R	1 749 102,24	R	1 422 690,43	R	1 422 690,43	R	1 422 690,43	R	1 422 690,43	R	1 407 926,46
5,1	GENERAL SURFACES		R -	R			1 394 937,40	R	1 394 937,40	R	1 721 389,55		1 394 937,40	R	1 394 937,40	R	1 394 937,40	R	1 394 937,40	R	1 394 937,40
5,2	POST CLOSURE MONITORING AND MAINTENANCE		R -	R	12 989,06	R	12 989,06	R	12 989,06	R	,	R	27 753,03	R	27 753,03	R	200,00	R	27 753,03	R	12 989,06
5,3	SPECIALIST STUDIES		R -	R	-	R	-	R	-	R	-	R	-	R	-	R	-	R	-	R	-
																					
	SUB-TOTAL 1		R -	R	3 196 460,80	R 51	151 556,58	R	5 536 562,51	R	5 877 738,28	R	6 297 178,56	R	6 297 178,56	R	6 297 178,56	R	8 588 422,64	R	8 573 658,68
	Weighted Preliminary and General	6%	R -	R	191 008,30	R	308 314,05	R	331 414,41	R	351 001,54	R	376 165,53	R	376 165,53	R	376 165,53	R	513 640,18	R	513 640,18
	Weighted Contingencies	10%	R -	R	319 646,08	R	515 155,66	R	553 656,25	R	587 773,83	R	629 717,86	R	629 717,86	R	629 717,86	R	858 842,26	R	857 365,87
	SUB-TOTAL 2 FOR P&G's AND CONTINGENCIES		R -	P	510 654.38	R s	823 469.71	P	885 070,66	Р		R	1 005 883.39		,	R	1 005 883,39	P	1 372 482.44		1 371 006.04
	SUB-TOTAL 2 TOK F &G S AND CONTINGENCIES			17	0.000,00				,	L				_				P			
			R -	R		K 55	975 026,29	_	,	R		R	7 303 061,95	_	7 303 061,95	K		R	9 960 905,08	K	,
	VAT	15%	R -	R	556 067,28	R	896 253,94	_	963 244,97	R	1 022 477,05	R	1 095 459,29	_	1 095 459,29	R	1 095 459,29	R	1 494 135,76	R	1 491 699,71
	GRAND-TOTAL		R -	R	4 263 182,46	R 68	871 280,24	R	7 384 878,14	R	7 838 990,69	R	8 398 521,24	R	8 398 521,24	R	8 398 521,24	R	11 455 040,85	R 1	1 436 364,43

Financial Provision





Ventilation Shaft 8 & 9 - EMPr Amendment

			SUMMAR	Y - IN	FRASTRUCT	URAL ASPECTS										
1	INFRASTRUCTURAL CLOSURE COMPONEN	ITS & CRITERIA	Premature Closure	e Clo	osure Forecast	Closure Forecast	Closure	Forecast	Closure Forecast	Closu	ure Forecast	Closure Forecast	Closure Forecast	Closure Forecast	Closure Fored	cast
ID	COMPONENT	CLOSURE CRITERIA	2021		2022	2023	20	24	2025		2026	2027	2028	2029	2030	
1,1	PLANT AND RELATED STRUCTURES	i. Removal of salvageable equipment (i.e. steel and re-useable material) ii. All plants and related infrastructure will be dismantled and removed at closure iii. All linear items will be removed (i.e. pipelines, powerlines and conveyors) (Refer to Linear Items component) iv. Foundations and structures will be removed to 1m below ground level v. Load and haul material (non-inert waste) vi. General surface rehabilitation of footprint areas (Refer to General Surfaces component) vii. Sorting, screening and disposal of demolition waste (Refer to Waste Disposal component)	R -	R	-	R -	R	-	R -	R	-	R -	R -	R -	R	-
4.2	CHAFTS ADITS AND DECLINES	Ventilation shafts: i. Ventilation shafts and related infrastructure will be dismantled and removed ii. Concrete seal will be constructed as per Mine Health and Safety requirements iii. General surface rehabilitation of footprint areas (Refer to General Surfaces component) iv. Sorting, screening and disposal of demolition waste (Refer to Waste Disposal component)	R -	R	4 204 204 40	D 0674 267 45	B 24	74 267 45	D 2 274 227 45		2 200 027 72	D 2 200 027 7	D 0 2000 007 7	D 554050000	D 5540.00	82.22
1,2	SHAFTS, ADITS AND DECLINES	Decline shafts (Clapham and Driekop): i. Concrete seal will be constructed at each of the 2 decline shafts as per Mine Health and Safety requirements ii. Portals will be backfilled with inert demolition waste iii. In addition portals will be backfilled with a combination of material sourced from the infrastructural footprint (engineered fill), balanced cut to fill and cemented dry tailings (3% cementation process)	R -	K	1 384 381,40	R 2 671 367,15	R 26	371 367,15	R 26/136/,15	o R	3 399 027,72	R 3 399 027,7:	2 R 3 399 027,72	R 5 548 682,22	R 5 548 68	\$2,22
		i. All infrastructure will be dismantled and removed at closure ii. Foundations and underground structures will be removed to 1m below ground level iii. Mobile homes and steel containers will be load and hauled to nearest town (Burgersfort) iv. General surface rehabilitation of footprint areas (Refer to General Surfaces component) v. Sorting, screening and disposal of demolition waste (Refer to Waste Disposal component)														
1,3	SUPPORTING INFRASTRUCTURE	Return water dams: i. Remove the HDPE liner and dispose of at a licensed disposal facility ii. Remove a layer of 150mm of sediment material from the dam basin iii. Load and haul the material and dump onto the tailings facility before rehabilitation commences on the top surface of the tailings complex iv. Dam walls will be breached and the material will be dozed inwards to fill the dam basins v. Ameliorate and vegetate	R -	R	-	R -	R 3	356 659,20	R 356 659,20	R	356 659,20	R 356 659,2	D R 356 659,20	R 356 659,20	R 356 65	59,20
		Settling dams & Earth lined stormwater dams: i. Remove the sediment layer 1.1m and 1.2m thick respectively from the dam basins. ii. Load and haul the material and dump onto the tailings facility before rehabilitation commences on the top surface of the tailings complex iii. Dam walls will be breached and the material will be dozed inwards to fill the dam basins iv. Ameliorate and vegetate														





3

1,4	UNDERGROUND INFRASTRUCTURE	Remove all infrastructure with pollution potential and decontaminate the areas.	R -	R	-	R	-	R	-	R	-	R -	R	-	R -	R -	R	-
1,5	SOCIAL INFRASTRUCTURE	i. All infrastructure will be dismantled and removed at closure ii. Foundations and underground structures will be removed to 1m below ground level iii. All mobile homes and steel containers will be load and hauled to nearest town (Burgersfort) iv. General surface rehabilitation of footprint areas (Refer to General Surfaces component) v. Sorting, screening and disposal of demolition waste (Refer to Waste Disposal component)	R -	R	-	R	-	R	-	R	-	R -	R	-	R -	R -	R	-
1,6	OFF-SITE INFRASTRUCTURE	No formal closure criteria for off-site infrastructure	R -	R	-	R	-	R	-	R	-	R -	R	-	R -	R -	R	-
1,7	LINEAR ITEMS	i. All linear items such as pipelines, fences (including security fences), power lines and overland conveyors will be removed ii. General surface rehabilitation of footprint areas (Refer to General Surfaces component) iii. Sorting, screening and disposal of demolition waste (Refer to Waste Disposal component)	R -	R	360 345,11	R	990 470,11	R	994 349,81	R	994 349,81	R 994 349,8	1 R	994 349,81	R 994 349,81	R 994 349,8	1 R	994 349,81
1,8	WASTE DISPOSAL	Sorting and screening of waste ii. Additional allowance was made to backfill the two portals with inert demolition waste - on site waste disposal iii. Domestic and non-hazardous waste are taken to the nearest, registered municipal waste sites (Atok) iv. 5% allowance for decontamination of waste v. X-ray machine at clinic - Radio-active waste (inventory)	R -	R	43 807,82	R	81 792,86	R	106 259,88	R	106 259,88	R 124 451,4	0 R	124 451,40	R 124 451,40	R 266 040,9	8 R	266 040,98
		SUB-TOTAL 1	R -	R	1 788 534,33	R 3	743 630,12	R 4	128 636,04	R 4	128 636,04	R 4 874 488,13	3 R	4 874 488,13	R 4 874 488,13	R 7 165 732,2	1 R	7 165 732,21



PN 100460 Financial Provision



Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

				INFRASTRUCTURAL ASPE	стѕ				P	romati	ıro i	Closure		2021	
1	,2	SHAF	TS, AD	OITS AND DECLINES						eman	ile (Closure		2021	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total	LIABLE VALUE	Notes
1				Clapham Shaft Complex					0,00					R -	
2				Clapham Ventilation Shaft 8											
3	00-GA	A2	Y2021	Vent Shaft 8											
4				Plant superstructures	Medium plant structures		No	2.3.2	0,00	m²	R	1 198,08	R -	R -	Construction to commence in 2023
5				Structural Concrete	Medium concrete, thickness between 250 and 750mm		No	4,2	0,00	m³	R	937,53	R -	R -	
6				Sealing of vertical shaft	Sealing of vertical shaft		No	7.1.1	0,00	sum	R	672 312,29	R -	R -	
7	00-GA	A2	Y2021	Bulk Air Cooler											Construction to commence in 2026
8				Plant superstructures	Medium plant structures		No	2.3.2	0,00	m²	R	1 198,08	R -	R -	
9				Structural Concrete	Medium concrete, thickness between 250 and 750mm		No	4,2	0,00	m³	R	937,53	R -	R -	
10	00-GA	A2	Y2021	Refrigeration Plant & Condenser Cooling Towers											Construction to commence in 2029
11				Refrigeration Plant Structure	Medium concrete, thickness between 250 and 750mm		No	4,2	0,00	m³	R	937,53	R -	R -	
12				Cooling Tower Structure	Medium concrete, thickness between 250 and 750mm		No	4,2	0,00	m³	R	937,53	R -	R -	
13 14				Transformer, LV & MV Room	Single storey building		No	3.2.1	0,00	m²	R	816,93	R -	R -	
15				Driekop Shaft Complex					0,00					R -	
16				Driekop Ventilation Shaft 9					0,00					· ·	
17	00-GA	A1	Y2021												
18				Plant superstructures	Medium plant structures		No	2.3.2	0,00	m²	R	1 198,08	R -	R -	Construction to commence in 2022
19				Structural Concrete	Medium concrete, thickness between 250 and 750mm		No	4,2	0,00	m³	R	937,53	R -	R -	
20				Sealing of vertical shaft	Sealing of vertical shaft		No	7.1.1	0,00	sum	R	672 312,29	R -	R -	
21 22				Sub station	Single storey building		No	3.2.1	0,00	m²	R	816,93	R -	R -	
23				Tailings Complex					0,00					R -	
23 24				Tanings Complex	Not Applicable		Yes	1,1	0,00	na	R		R -	R -	
24					110t Applicable		100	1,1	0,00	iia .	-				
				SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	6% 10%								R - R - R - R - R - R - R - R - R - R -	



PN 100460





Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

				NFRASTRUCTURAL ASPEC	ets.					locur	. Eo	recast			2022	
1	,2	SHAF	TS, AD	ITS AND DECLINES						Josuie	<i>-</i> 1 0	recast			2022	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex					0,00					R	-	
2				Clapham Ventilation Shaft 8												
3 4 5	00-GA	A2	Y2021	Vent Shaft 8 Plant superstructures Structural Concrete	Medium plant structures Medium concrete, thickness between 250 and 750mm		No No	2.3.2	0,00	m² m³	R R		R - R	R R	-	Construction to commence in 2023
6 7 8	00-GA	A2	Y2021	Sealing of vertical shaft Bulk Air Cooler Plant superstructures	Sealing of vertical shaft Medium plant structures		No No	7.1.1	0,00	sum m²	R R	672 312,29 1 198,08	R -	R R		Construction to commence in 2026
9				Structural Concrete Refrigeration Plant & Condenser	Medium concrete, thickness between 250 and 750mm		No	4,2	0,00	m³	R	937,53	R -	R	-	
10	00-GA	A2	Y2021	Cooling Towers Refrigeration Plant Structure	Medium concrete, thickness between 250 and 750mm		No	4,2	0,00	m³	R	937,53	R -	R	-	Construction to commence in 2029
12				Cooling Tower Structure	Medium concrete, thickness between 250 and 750mm		No	4,2	0,00	m^3	R	937,53	R -	R	-	
13 14				Transformer, LV & MV Room	Single storey building		No	3.2.1	0,00	m²	R	816,93	R -	R	-	
15				Driekop Shaft Complex					234,77					R	1 384 381,40	
16				Driekop Ventilation Shaft 9												
17 18 19 20	00-GA	A1	Y2021	Vent Shaft 9 Plant superstructures Structural Concrete Sealing of vertical shaft	Medium plant structures Medium concrete, thickness between 250 and 750mm Sealing of vertical shaft		Yes Yes Yes	2.3.2 4,2 7.1.1	359,00 150,00 1,00	m² m³ sum	R R R	1 198,08 937,53 672 312,29		R	430 110,72 140 629,50 672 312,29	Construction commenced
21 22				Sub station	Single storey building		Yes	3.2.1	173,00	m²	R	816,93	· · · · · · · · · · · · · · · · · · ·	R	141 328,89	
23				Tailings Complex					0,00					R	-	
24					Not Applicable		Yes	1,1	0,00	na	R	-	R -	R	-	
				SUB-TOTAL 2 (Pa	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	6% 10%								R R R R	1 384 381,40 83 062,88 138 438,14 221 501,02 1 605 882,42	



PN 100460



Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

				NFRASTRUCTURAL ASPEC	стѕ					Na avve	-				2023	
1	,2	SHAF	TS, AD	ITS AND DECLINES					,	Josure	e ro	orecast			2023	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex					148,30					R	1 286 985,75	
2				Clapham Ventilation Shaft 8												
3	00-GA	A2	Y2021	Vent Shaft 8												
4				Plant superstructures	Medium plant structures		Yes	2.3.2	397,00	m²	R	1 198,08	R 475 637,76	R	475 637,76	Construction commenced
5				Structural Concrete	Medium concrete, thickness between 250 and 750mm		Yes	4,2	148,30	m³	R	937,53	R 139 035,70	R	139 035,70	
6				Sealing of vertical shaft	Sealing of vertical shaft		Yes	7.1.1	1,00	sum	R	672 312,29	R 672 312,29	R	672 312,29	
7	00-GA	A2	Y2021	Bulk Air Cooler												Construction to commence in 2026
8				Plant superstructures	Medium plant structures		No	2.3.2	0,00	m²	R	1 198,08	R -	R	-	
9				Structural Concrete	Medium concrete, thickness between 250 and 750mm		No	4,2	0,00	m³	R	937,53	R -	R	-	
10	00-GA	A2	Y2021	Refrigeration Plant & Condenser Cooling Towers												Construction to commence in 2029
11				Refrigeration Plant Structure	Medium concrete, thickness between 250 and 750mm		No	4,2	0,00	m³	R	937,53	R -	R		
12				Cooling Tower Structure	Medium concrete, thickness between 250 and 750mm		No	4,2	0,00	m³	R	937,53	R -	R	-	
13 14				Transformer, LV & MV Room	Single storey building		No	3.2.1	0,00	m²	R	816,93	R -	R		
15				Driekop Shaft Complex					234,77					R	1 384 381,40	
16				Driekop Ventilation Shaft 9					254,77						1 304 301,40	
17	00-GA	A1	Y2021	Vent Shaft 9												
18				Plant superstructures	Medium plant structures		Yes	2.3.2	359,00	m²	R	1 198,08	R 430 110,72	R	430 110,72	
19				Structural Concrete	Medium concrete, thickness between 250 and 750mm		Yes	4,2	150,00		R		R 140 629,50		140 629,50	
20				Sealing of vertical shaft	Sealing of vertical shaft		Yes	7.1.1	1,00	sum	R	672 312,29	R 672 312,29	R	672 312,29	
21				Sub station	Single storey building		Yes	3.2.1	173,00	m²	R		R 141 328,89		141 328,89	
22																
23				Tailings Complex					0,00					R	-	
24					Not Applicable		Yes	1,1	0,00	na	R	-	R -	R		
	.			SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	6% 10%								R R R R R	2 671 367,15 160 282,03 267 136,71 427 418,74 3 098 785,89	

Financial Provision





Ventilation Shaft 8 & 9 - EMPr Amendment

			ı	NFRASTRUCTURAL ASPEC	cts					Noour	. E.	roost			2024	
1	,2	SHAF	TS, AD	ITS AND DECLINES					,	Josure	e FO	recast			2024	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex					148,30					R	1 286 985,75	
2				Clapham Ventilation Shaft 8												
3	00-GA	A2	Y2021	Vent Shaft 8												
4				Plant superstructures	Medium plant structures		Yes	2.3.2	397,00	m²	R	1 198,08	R 475 637,76	R	475 637,76	
5				Structural Concrete	Medium concrete, thickness between 250 and 750mm		Yes	4,2	148,30	m³	R	937,53	R 139 035,70	R	139 035,70	
6				Sealing of vertical shaft	Sealing of vertical shaft		Yes	7.1.1	1,00	sum	R	672 312,29	R 672 312,29	R	672 312,29	
7	00-GA	A2	Y2021	Bulk Air Cooler												Construction to commence in 2026
8				Plant superstructures	Medium plant structures		No	2.3.2	0,00	m²	R	1 198,08	R -	R	-	
9				Structural Concrete	Medium concrete, thickness between 250 and 750mm		No	4,2	0,00	m³	R	937,53	R -	R	-	
10	00-GA	A2	Y2021	Refrigeration Plant & Condenser Cooling Towers												Construction to commence in 2029
11				Refrigeration Plant Structure	Medium concrete, thickness between 250 and 750mm		No	4,2	0,00	m³	R	937,53	R -	R		
12				Cooling Tower Structure	Medium concrete, thickness between 250 and 750mm		No	4,2	0,00	m³	R	937,53	R -	R	-	
13 14				Transformer, LV & MV Room	Single storey building		No	3.2.1	0,00	m²	R	816,93	R -	R		
15				Driekop Shaft Complex					234,77					R	1 384 381,40	
16				Driekop Ventilation Shaft 9					204,77						1 304 301,40	
17	00-GA	A1	Y2021	Vent Shaft 9												
18				Plant superstructures	Medium plant structures		Yes	2.3.2	359,00	m²	R	1 198,08	R 430 110,72	R	430 110,72	
19				Structural Concrete	Medium concrete, thickness between 250 and 750mm		Yes	4,2	150,00	m³	R		R 140 629,50		140 629,50	
20				Sealing of vertical shaft	Sealing of vertical shaft		Yes	7.1.1	1,00	sum	R	672 312,29	R 672 312,29	R	672 312,29	
21				Sub station	Single storey building		Yes	3.2.1	173,00	m²	R		R 141 328,89		141 328,89	
22																
23				Tailings Complex					0,00					R		
24					Not Applicable		Yes	1,1	0,00	na	R	-	R -	R	-	
				SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	6% 10%								R R R R	2 671 367,15 160 282,03 267 136,71 427 418,74 3 098 785,89	



PN 100460

Financial Provision



Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

			1	NFRASTRUCTURAL ASPEC	CTS					Na avve					2025	
1	1,2	SHAF	TS, AD	ITS AND DECLINES					,	Josure	e FC	orecast			2025	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex					148,30					R	1 286 985,75	
2				Clapham Ventilation Shaft 8												
3	00-GA	A2	Y2021	Vent Shaft 8												
4				Plant superstructures	Medium plant structures		Yes	2.3.2	397,00	m²	R	1 198,08	R 475 637,76	R	475 637,76	
5				Structural Concrete	Medium concrete, thickness		Yes	4,2	148,30	m³	R	937,53	R 139 035,70	R	139 035,70	
6				Sealing of vertical shaft	between 250 and 750mm Sealing of vertical shaft		Yes	7.1.1	1,00	sum	R	672 312,29	R 672 312,29	R	672 312,29	
7	00-GA	A2	Y2021	Bulk Air Cooler	ocaling of vertical share		100	/	1,00	Juli	, · ·	072 072,20	072 012,20		072 012,20	Construction to commence in 2026
8				Plant superstructures	Medium plant structures		No	2.3.2	0,00	m²	R	1 198,08	R -	R		
9				Structural Concrete	Medium concrete, thickness		No	4,2	0,00		R	937,53	R -	R		
9					between 250 and 750mm		INO	4,2	0,00	111-	K	937,33	IK -	K	-	
10	00-GA	A2	Y2021	Refrigeration Plant & Condenser Cooling Towers												Construction to commence in 2029
11				Refrigeration Plant Structure	Medium concrete, thickness between 250 and 750mm		No	4,2	0,00	m³	R	937,53	R -	R		
12				Cooling Tower Structure	Medium concrete, thickness between 250 and 750mm		No	4,2	0,00	m³	R	937,53	R -	R	-	
13 14				Transformer, LV & MV Room	Single storey building		No	3.2.1	0,00	m²	R	816,93	R -	R		
15				Driekop Shaft Complex					234,77					R	1 384 381,40	
16				Driekop Ventilation Shaft 9					204,77						1 304 301,40	
17	00-GA	A1	Y2021	Vent Shaft 9												
18				Plant superstructures	Medium plant structures		Yes	2.3.2	359,00	m²	R	1 198,08	R 430 110,72	R	430 110,72	
19				Structural Concrete	Medium concrete, thickness		Yes	4,2	150,00		R	937,53			140 629,50	
					between 250 and 750mm								The state of the s			
20				Sealing of vertical shaft	Sealing of vertical shaft		Yes	7.1.1	1,00	sum	R		R 672 312,29		672 312,29	
21 22				Sub station	Single storey building		Yes	3.2.1	173,00	m²	R	816,93	R 141 328,89	K	141 328,89	
23				Tailings Complex					0,00					R		
23 24				rainings Complex	Not Applicable		Yes	1,1	0,00	na	R		R -	R	•	11111
24					Ινοι Αρριισασίο		163	1,1	0,00	IIa						
				SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	6% 10%								R R R R	2 671 367,15 160 282,03 267 136,71 427 418,74 3 098 785,89	



PN 100460

Financial Provision



Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

			ı	NFRASTRUCTURAL ASPEC	CTS					Noour	. E.	precast			2026	
1	,2	SHAF	TS, AD	ITS AND DECLINES					,	Josure	e ro	recast			2020	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex					148,30					R	2 014 646,32	
2				Clapham Ventilation Shaft 8												
3 4 5	00-GA	A2	Y2021	Vent Shaft 8 Plant superstructures Structural Concrete	Medium plant structures Medium concrete, thickness		Yes Yes	2.3.2	397,00 148,30	m² m³	R R	1 198,08 937,53			475 637,76 139 035,70	
6				Sealing of vertical shaft	between 250 and 750mm Sealing of vertical shaft		Yes	7.1.1	1,00	sum	R	672 312,29	,		672 312,29	
7 8 9	00-GA	A2	Y2021	Bulk Air Cooler Plant superstructures	Medium plant structures Medium concrete, thickness		Yes	2.3.2	265,00	m²	R	,	R 317 491,20 R 410 169,38			Construction commenced
10	00-GA	A2	Y2021	Structural Concrete Refrigeration Plant & Condenser Cooling Towers	between 250 and 750mm		Yes	4,2	437,50	m³	R	937,53	R 410 169,38	K	410 169,38	Assume 10m high Construction to commence in 2029
11				Refrigeration Plant Structure	Medium concrete, thickness between 250 and 750mm Medium concrete, thickness		No	4,2	0,00	m³	R	937,53	R -	R	-	
12				Cooling Tower Structure	between 250 and 750mm		No	4,2	0,00	m³	R	937,53	R -	R	-	
13 14				Transformer, LV & MV Room	Single storey building		No	3.2.1	0,00	m²	R	816,93	R -	R		
15				Driekop Shaft Complex					234,77					R	1 384 381,40	
16				Driekop Ventilation Shaft 9												
17	00-GA	A1	Y2021	Vent Shaft 9												
18				Plant superstructures	Medium plant structures		Yes	2.3.2	359,00	m²	R	1 198,08	R 430 110,72	R	430 110,72	
19				Structural Concrete	Medium concrete, thickness between 250 and 750mm		Yes	4,2	150,00	m^3	R	937,53	R 140 629,50	R	140 629,50	
20				Sealing of vertical shaft	Sealing of vertical shaft		Yes	7.1.1	1,00	sum	R	672 312,29	R 672 312,29	R	672 312,29	
21				Sub station	Single storey building		Yes	3.2.1	173,00	m²	R	816,93		R	141 328,89	
22																
23				Tailings Complex					0,00					R	-	
24					Not Applicable		Yes	1,1	0,00	na	R		R -	R	-	
				SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	6% 10%								R R R R	3 399 027,72 203 941,66 339 902,77 543 844,44 3 942 872,16	





Ventilation Shaft 8 & 9 - EMPr Amendment

				NFRASTRUCTURAL ASPEC	стѕ					Na avve					2027	
1	,2	SHAF	TS, AD	ITS AND DECLINES					,	Jiosure	e rc	orecast			2021	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex					148,30					R	2 014 646,32	
2				Clapham Ventilation Shaft 8												
3	00-GA	A2	Y2021	Vent Shaft 8												
4				Plant superstructures	Medium plant structures		Yes	2.3.2	397,00	m²	R	1 198,08	R 475 637,76	R	475 637,76	
5				Structural Concrete	Medium concrete, thickness between 250 and 750mm		Yes	4,2	148,30	m³	R	937,53	R 139 035,70	R	139 035,70	
6				Sealing of vertical shaft	Sealing of vertical shaft		Yes	7.1.1	1,00	sum	R	672 312,29	R 672 312,29	R	672 312,29	
7	00-GA	A2	Y2021	Bulk Air Cooler												
8				Plant superstructures	Medium plant structures		Yes	2.3.2	265,00	m²	R	1 198,08	R 317 491,20	R	317 491,20	
9				Structural Concrete	Medium concrete, thickness between 250 and 750mm		Yes	4,2	437,50	m³	R	937,53	R 410 169,38	R	410 169,38	Assume 10m high
10	00-GA	A2	Y2021	Refrigeration Plant & Condenser Cooling Towers	bottoon 200 and 700mm											Construction to commence in 2029
11				Refrigeration Plant Structure	Medium concrete, thickness between 250 and 750mm		No	4,2	0,00	m³	R	937,53	R -	R	-	
12				Cooling Tower Structure	Medium concrete, thickness between 250 and 750mm		No	4,2	0,00	m³	R	937,53	R -	R	-	
13 14				Transformer, LV & MV Room	Single storey building		No	3.2.1	0,00	m²	R	816,93	R -	R		
15				Driekop Shaft Complex					234,77					R	1 384 381,40	
16				Driekop Ventilation Shaft 9												
17	00-GA	A1	Y2021	Vent Shaft 9												
18				Plant superstructures	Medium plant structures		Yes	2.3.2	359,00	m²	R	1 198,08	R 430 110,72	R	430 110,72	
19				Structural Concrete	Medium concrete, thickness between 250 and 750mm		Yes	4,2	150,00	m³	R	937,53	R 140 629,50	R	140 629,50	
20				Sealing of vertical shaft	Sealing of vertical shaft		Yes	7.1.1	1,00	sum	R	672 312,29	R 672 312,29	R	672 312,29	
21				Sub station	Single storey building		Yes	3.2.1	173,00	m²	R		R 141 328,89	R	141 328,89	
22																
23				Tailings Complex					0,00					R		
24					Not Applicable		Yes	1,1	0,00	na	R	-	R -	R		
				SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	6% 10%								R R R R	3 399 027,72 203 941,66 339 902,77 543 844,44 3 942 872,16	





Ventilation Shaft 8 & 9 - EMPr Amendment

				NFRASTRUCTURAL ASPEC	стѕ					Na avve					2028	
1	,2	SHAF	TS, AD	ITS AND DECLINES					,	Jiosure	e rc	orecast			2026	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex					148,30					R	2 014 646,32	
2				Clapham Ventilation Shaft 8												
3	00-GA	A2	Y2021	Vent Shaft 8												
4				Plant superstructures	Medium plant structures		Yes	2.3.2	397,00	m²	R	1 198,08	R 475 637,76	R	475 637,76	
5				Structural Concrete	Medium concrete, thickness between 250 and 750mm		Yes	4,2	148,30	m³	R	937,53	R 139 035,70	R	139 035,70	
6				Sealing of vertical shaft	Sealing of vertical shaft		Yes	7.1.1	1,00	sum	R	672 312,29	R 672 312,29	R	672 312,29	
7	00-GA	A2	Y2021	Bulk Air Cooler												
8				Plant superstructures	Medium plant structures		Yes	2.3.2	265,00	m²	R	1 198,08	R 317 491,20	R	317 491,20	
9				Structural Concrete	Medium concrete, thickness between 250 and 750mm		Yes	4,2	437,50	m³	R	937,53	R 410 169,38	R	410 169,38	Assume 10m high
10	00-GA	A2	Y2021	Refrigeration Plant & Condenser Cooling Towers	bottlesi 200 and 700mm											Construction to commence in 2029
11				Refrigeration Plant Structure	Medium concrete, thickness between 250 and 750mm		No	4,2	0,00	m³	R	937,53	R -	R	-	
12				Cooling Tower Structure	Medium concrete, thickness between 250 and 750mm		No	4,2	0,00	m³	R	937,53	R -	R	-	
13 14				Transformer, LV & MV Room	Single storey building		No	3.2.1	0,00	m²	R	816,93	R -	R		
15				Driekop Shaft Complex					234,77					R	1 384 381,40	
16				Driekop Ventilation Shaft 9												
17	00-GA	A1	Y2021	Vent Shaft 9												
18				Plant superstructures	Medium plant structures		Yes	2.3.2	359,00	m²	R	1 198,08	R 430 110,72	R	430 110,72	
19				Structural Concrete	Medium concrete, thickness between 250 and 750mm		Yes	4,2	150,00	m³	R	937,53	R 140 629,50	R	140 629,50	
20				Sealing of vertical shaft	Sealing of vertical shaft		Yes	7.1.1	1,00	sum	R	672 312,29	R 672 312,29	R	672 312,29	
21				Sub station	Single storey building		Yes	3.2.1	173,00	m²	R		R 141 328,89	R	141 328,89	
22																
23				Tailings Complex					0,00					R		
24					Not Applicable		Yes	1,1	0,00	na	R	-	R -	R		
				SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	6% 10%								R R R R	3 399 027,72 203 941,66 339 902,77 543 844,44 3 942 872,16	





Ventilation Shaft 8 & 9 - EMPr Amendment

INFRASTRUCTURAL ASPECTS										·loour	. E.	araaat	2020			
1	,2	SHAF	TS, AD	ITS AND DECLINES	ND DECLINES				,	Josure	e FC	orecast		2029		
Cine No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex					2390,47					R	4 164 300,82	
2				Clapham Ventilation Shaft 8												
3	00-GA	A2	Y2021	Vent Shaft 8												
4				Plant superstructures	Medium plant structures		Yes	2.3.2	397,00	m²	R	1 198,08	R 475 637,76	R	475 637,76	
5				Structural Concrete	Medium concrete, thickness between 250 and 750mm		Yes	4,2	148,30	m³	R	937,53	R 139 035,70	R	139 035,70	
6				Sealing of vertical shaft	Sealing of vertical shaft		Yes	7.1.1	1,00	sum	R	672 312,29	R 672 312,29	R	672 312,29	
7	00-GA	A2	Y2021	Bulk Air Cooler												
8				Plant superstructures	Medium plant structures		Yes	2.3.2	265,00	m²	R	1 198,08	R 317 491,20	R	317 491,20	
9				Structural Concrete	Medium concrete, thickness between 250 and 750mm		Yes	4,2	437,50	m³	R	937,53	R 410 169,38	R	410 169,38	Assume 10m high
10	00-GA	A2	Y2021	Refrigeration Plant & Condenser Cooling Towers												Construction commenced
11				Refrigeration Plant Structure	Medium concrete, thickness between 250 and 750mm		Yes	4,2	1249,50	m³	R	937,53	R 1 171 443,74	R	1 171 443,74	Assume 10m high
12				Cooling Tower Structure	Medium concrete, thickness between 250 and 750mm		Yes	4,2	927,50	m³	R	937,53	R 869 559,08	R	869 559,08	Assume 10m high
13 14				Transformer, LV & MV Room	Single storey building		Yes	3.2.1	133,00	m²	R	816,93	R 108 651,69	R	108 651,69	
15				Driekop Shaft Complex					234,77					R	1 384 381,40	
16				Driekop Ventilation Shaft 9												
17	00-GA	A1	Y2021	Vent Shaft 9												
18				Plant superstructures	Medium plant structures		Yes	2.3.2	359,00	m²	R	1 198,08	R 430 110,72	R	430 110,72	
19				Structural Concrete	Medium concrete, thickness between 250 and 750mm		Yes	4,2	150,00	m³	R	937,53	R 140 629,50	R	140 629,50	
20				Sealing of vertical shaft	Sealing of vertical shaft		Yes	7.1.1	1,00	sum	R	672 312,29	R 672 312,29	R	672 312,29	
21				Sub station	Single storey building		Yes	3.2.1	173,00	m²	R	816,93	R 141 328,89	R	141 328,89	
22 23				Tailings Compley					0.00					R		
23 24				Tailings Complex	Not Applicable		Yes	1,1	0,00	na	R		R -	R	•	
24					140t Applicable		165	1,1	0,00	Па	K			K		
	SUB-TOTAL 1 Preliminaries and General Contingency SUB-TOTAL 2 (P&G's AND CONTINGENCIES) GRAND-TOTAL													R R R R	5 548 682,22 332 920,93 554 868,22 887 789,16 6 436 471,38	





Ventilation Shaft 8 & 9 - EMPr Amendment

INFRASTRUCTURAL ASPECTS									·leeur	. Fa	recast	2030			
,2	SHAF	AFTS, ADITS AND DECLINES							Josufe	e FO	recasi	2030			
Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total		LIABLE VALUE	Notes
			Clapham Shaft Complex					2390,47					R	4 164 300,82	
			Clapham Ventilation Shaft 8												
00-GA	A2	Y2021	Vent Shaft 8												
			Plant superstructures	Medium plant structures		Yes	2.3.2	397,00	m²	R	1 198,08	R 475 637,76	R	475 637,76	
			Structural Concrete			Yes	4,2	148,30	m³	R	937,53	R 139 035,70	R	139 035,70	
			Sealing of vertical shaft	Sealing of vertical shaft		Yes	7.1.1	1,00	sum	R	672 312,29	R 672 312,29	R	672 312,29	
00-GA	A2	Y2021	•	9				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			,	,			
			Plant superstructures	Medium plant structures		Yes	2.3.2	265,00	m²	R	1 198,08	R 317 491,20	R	317 491,20	
			Structural Concrete	Medium concrete, thickness		Yes	4,2	437,50	m³	R	937,53	R 410 169,38	R	410 169,38	Assume 10m high
00-GA	A2	Y2021	Refrigeration Plant & Condenser Cooling Towers	between 250 and 750mm											
			Refrigeration Plant Structure	Medium concrete, thickness between 250 and 750mm		Yes	4,2	1249,50	m³	R	937,53	R 1 171 443,74	R	1 171 443,74	Assume 10m high
			Cooling Tower Structure	Medium concrete, thickness between 250 and 750mm	•	Yes	4,2	927,50	m³	R	937,53	R 869 559,08	R	869 559,08	Assume 10m high
			Transformer, LV & MV Room	Single storey building		Yes	3.2.1	133,00	m²	R	816,93	R 108 651,69	R	108 651,69	
			Driekop Shaft Complex					234,77					R	1 384 381,40	
			Driekop Ventilation Shaft 9												
00-GA	A1	Y2021	Vent Shaft 9												
			Plant superstructures	Medium plant structures		Yes	2.3.2	359,00	m²	R	1 198,08	R 430 110,72	R	430 110,72	
			Structural Concrete	Medium concrete, thickness		Yes	4,2	150,00	m³	R	937,53	R 140 629,50	R	140 629,50	
			Sealing of vertical shaft			Yes	7.1.1	1.00	sum	R	672 312.29	R 672 312.29	R	672 312 29	
			Sub station	Single storey building				173,00	m²	R				141 328,89	
			Tailings Complex					0.00					R		
			Tunings complex	Not Applicable		Yes	1.1		na	R		R -			
							.,.	-,							
			SUB-TOTAL 2 (Pa	6% 10%								R R R R	5 548 682,22 332 920,93 554 868,22 887 789,16 6 436 471,38		
	No-GA Co-GA Go-GA	Wederence Map 00-GA A2 00-GA A2	00-GA A2 Y2021 00-GA A2 Y2021	Cost Component Clapham Shaft Complex Clapham Ventilation Shaft 8 Plant superstructures Structural Concrete Sealing of vertical shaft Bulk Air Cooler Plant superstructures Structural Concrete Refrigeration Plant & Condenser Cooling Towers Refrigeration Plant Structure Cooling Tower Structure Transformer, LV & MV Room Driekop Shaft Complex Driekop Ventilation Shaft 9 Plant superstructures Structural Concrete Sealing of vertical shaft Sub station Tailings Complex Tailings Complex	Clapham Shaft Complex Clapham Ventilation Shaft 8 Plant superstructures Sealing of vertical shaft Sealing of vertical shaft Structural Concrete Plant superstructures Structural Concrete Plant superstructures Structural Concrete Plant superstructures Structural Concrete Plant superstructures Structural Concrete Refrigeration Plant & Condenser Cooling Towers Refrigeration Plant Structure Cooling Tower Structure Transformer, LV & MV Room Driekop Shaft Complex Driekop Ventilation Shaft 9 Plant superstructures Structural Concrete Refrigeration Plant Structure Cooling Tower Structure Transformer, LV & MV Room Single storey building Medium concrete, thickness between 250 and 750mm Medium concrete, thickness between 250 and 750mm Single storey building Driekop Ventilation Shaft 9 Plant superstructures Structural Concrete Sealing of vertical shaft Sub station Medium concrete, thickness Medium concrete, thickness between 250 and 750mm Single storey building	Clapham Shaft Complex Clapham Ventilation Shaft 8 Plant superstructures Structural Concrete Scaling of vertical shaft Scaling of Vertical shaft Structural Concrete Refrigeration Plant & Condenser Cooling Towers Refrigeration Plant Structure Cooling Tower Structure Cooling Tower Structure Transformer, LV & MV Room Driekop Shaft Complex Structural Concrete Structural Concrete Structural Concrete Refrigeration Plant Structure Cooling Tower Structure Sealing of vertical shaft Single storey building Driekop Shaft Complex Structural Concrete Sealing of vertical shaft Sub station Sub-TOTAL 1 Preliminaries and General Contingency SUB-TOTAL 2 (P&G's AND CONTINGENCIES)	Cost Component Description Clapham Shaft Complex Clapham Shaft Complex Clapham Ventilation Shaft 8 Oo-GA A2 Y2021 Vent Shaft 8 Plant superstructures Structural Concrete Sealing of vertical shaft Sealing of vertical shaft Structural Concrete Structural Concrete Structural Concrete Structural Concrete Structural Concrete Cooling Towers Refrigeration Plant & Condenser Cooling Towers Refrigeration Plant Structure Cooling Tower Structure Transformer, LV & MV Room Driekop Shaft Complex Driekop Shaft Complex Structural Concrete Structural Concrete Structural Concrete Structural Concrete Sealing of vertical shaft Single storey building Tailings Complex Not Applicable Sub-TOTAL 1 Preliminaries and General G% Contingency Sub-TOTAL 2 (P&G's AND CONTINGENCIES)	Clapham Shaft Complex Clapham Ventilation Shaft 8 On-GA A2 Y2021 Vent Shaft 8 Plant superstructures Sealing of vertical shaft Selumen 250 and 750mm Single storey building Priekop Shaft Complex On-GA A1 Y2021 Vent Shaft 9 Plant superstructure Refrigeration Plant & Condenser Cooling Towers Refrigeration Plant Structure Cooling Tower Structure Medium concrete, thickness between 250 and 750mm Single storey building Plant superstructures Medium concrete, thickness between 250 and 750mm Single storey building Plant superstructures Medium plant structures Medium concrete, thickness between 250 and 750mm Single storey building Yes 2.3.2 Yes 4,2 Yes 4,2 Yes 4,2 Yes 4,2 Yes 3.2.1 Priekop Ventilation Shaft 9 Plant superstructures Medium concrete, thickness between 250 and 750mm Single storey building Yes 2.3.2 Yes 4,2 Yes 2.3.2 Yes 4,2 Yes 2.3.2 Yes 4,2 Yes 2.3.2 Yes 2.3.2 Yes 2.3.2 Yes 2.3.2 Yes 2.3.2 Yes 2.3.2 Yes 3.2.1	Cost Component Description Description Des	SHAFTS, ADITS AND DECLINES	SHAFTS, ADITS AND DECLINES	Cost Component Description Description	Cost Component Cost Cost Component Cost Cost Component Cost Cost Component Cost Cost Cost Cost Cost Cost Cost Cost	Cost Component Description Description	SHAFTS, ADITS AND DECLINES



PN 100460 Financial Provision



Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

	INFRASTRUCTURAL ASPECTS								Pi	emati	ıre (Closure	2021		
	1,3 SUPPORTING INFRASTRUCTURE								•	cmate	are c	olosule -	2021		
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total	LIABLE VALUE	Notes
1				Clapham Shaft Complex					0,00					R -	
2				Clapham Ventilation Shaft 8											
3 4	00-GA	A7.1	Y2021	Change House	Single storey building		No	3.1.1	0,00	m²	R	440,32	R -	R -	Construction to commence in 2024
5				Driekop Shaft Complex					0,00					R -	
6				Driekop Ventilation Shaft 9											
7 8	00-GA	A7.2	Y2021	Change house	Single storey building		No	3.1.1	0,00	m²	R	440,32	R -	R -	Construction to commence in 2024
9				Tailings Complex										R -	
10					Not Applicable		Yes	1,1	0,00	na	R		R -	R -	
	SUB-TOTAL 1 Preliminaries and General Contingency SUB-TOTAL 2 (P&G's AND CONTINGENCIES) GRAND-TOTAL													R - R - R - R - R - R - R - R - R - R -	





Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

			ı	NFRASTRUCTURAL ASPEC	ets					Nocur	e Forecast		2022	
	1,3	SUPP	ORTIN	G INFRASTRUCTURE						210Sui (Frorecast		2022	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit	Unit Rate	Unit Total	LIABLE VALUE	Notes
1				Clapham Shaft Complex					0,00				R -	
2				Clapham Ventilation Shaft 8										
3	00-GA	A7.1	Y2021	Change House	Single storey building		No	3.1.1	0,00	m²	R 440,32	R -	R -	Construction to commence in 2024
5				Driekop Shaft Complex					0,00				R -	
6				Driekop Ventilation Shaft 9										
7 8	00-GA	A7.2	Y2021	Change house	Single storey building		No	3.1.1	0,00	m²	R 440,32	R -	R -	Construction to commence in 2024
9				Tailings Complex									R -	
10					Not Applicable		Yes	1,1	0,00	na	R -	R -	R -	
		,		SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	10%							R - R - R - R - R - R - R - R - R - R -	

Financial Provision





Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

				INFRASTRUCTURAL ASPEC	CTS				(locur	e Forecast		2023	
	1,3	SUP	PORTIN	IG INFRASTRUCTURE						2103ui	e i Orecast		2023	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit	Unit Rate	Unit Total	LIABLE VALUE	Notes
1				Clapham Shaft Complex					0,00				R -	
2				Clapham Ventilation Shaft 8										
3 4	00-0	6A A7.	Y2021	Change House	Single storey building		No	3.1.1	0,00	m²	R 440,32	R -	R -	Construction to commence in 2024
5				Driekop Shaft Complex					0,00				R -	
6				Driekop Ventilation Shaft 9										
7 8	00-0	6A A7.2	2 Y2021	Change house	Single storey building		No	3.1.1	0,00	m²	R 440,32	R -	R -	Construction to commence in 2024
9				Tailings Complex									R -	
10					Not Applicable		Yes	1,1	0,00	na	R -	R -	R -	
	•	·		SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	10%							R - R - R - R - R - R - R - R - R - R -	

Financial Provision



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Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

			1	NFRASTRUCTURAL ASPE	стѕ					locur	e Forecast			2024	
	,3	SUPP	ORTIN	G INFRASTRUCTURE						nosure	FIOIECASI			2024	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit	Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex					215,60				R	193 740,80	
2				Clapham Ventilation Shaft 8											
3 4	00-GA	A7.1	Y2021	Change House	Single storey building		Yes	3.1.1	440,00	m²	R 440,32	R 193 740,80	R	193 740,80	Construction commenced
5				Driekop Shaft Complex					181,30				R	162 918,40	
6				Driekop Ventilation Shaft 9											
7 8	00-GA	A7.2	Y2021	Change house	Single storey building		Yes	3.1.1	370,00	m²	R 440,32	R 162 918,40	R	162 918,40	Construction commenced
9				Tailings Complex									R		
10					Not Applicable		Yes	1,1	0,00	na	R -	R -	R	-	
				SUB-TOTAL 2 (F	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	10%					1	1	R R R R	356 659,20 21 399,55 35 665,92 57 065,47 413 724,67	





Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

				II	NFRASTRUCTURAL ASPEC	ets					losur	e Forecast			2025	
	1,3	su	PPO	RTING	SINFRASTRUCTURE						, iosar	o i orcoust			2023	
Line No	Reference Map			Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit	Unit Rate	Unit Total		LIABLE VALUE	Notes
1					Clapham Shaft Complex					215,60				R	193 740,80	
2 3 4	00-0	SA A7	7.1		Clapham Ventilation Shaft 8 Change House	Single storey building		Yes	3.1.1	440,00	m²	R 440,32	R 193 740,80	R	193 740,80	
5					Driekop Shaft Complex					181,30				R	162 918,40	
6	00				Driekop Ventilation Shaft 9	Ois als steps heilding		V	0.4.4	070.00	2	D 440.00	D 400 040 40		400 040 40	
8	00-	JA A	'.2		Change house	Single storey building		Yes	3.1.1	370,00	m²	R 440,32	R 162 918,40	ĸ	162 918,40	
9					Tailings Complex									R	•	
10						Not Applicable		Yes	1,1	0,00	na	R -	R -	R	-	
					SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	10%							R R R R	356 659,20 21 399,55 35 665,92 57 065,47 413 724,67	

Financial Provision







Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

			١	INFRASTRUCTURAL ASPE	стѕ					losur	e Forecast			2026	
	1,3	SUPF	PORTIN	G INFRASTRUCTURE						, iosar	o i orcoust			2020	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit	Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex					215,60				R	193 740,80	
2 3 4	00-0	A A7.1	Y2021	Clapham Ventilation Shaft 8 Change House	Single storey building		Yes	3.1.1	440,00	m²	R 440,32	R 193 740,80	R	193 740,80	
5				Driekop Shaft Complex					181,30				R	162 918,40	
6	00.6	47.0	V0004	Driekop Ventilation Shaft 9	Ois als standard wilding		V	0.4.4	070.00	2	D 440.00	D 400.040.40		400 040 40	
8	00-0	A A7.2	Y2021	Change house	Single storey building		Yes	3.1.1	370,00	m²	R 440,32	R 162 918,40	R	162 918,40	
9				Tailings Complex									R		
10					Not Applicable		Yes	1,1	0,00	na	R -	R -	R	-	
				SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	10%							R R R R	356 659,20 21 399,55 35 665,92 57 065,47 413 724,67	





Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

				ı	NFRASTRUCTURAL ASPEC	стѕ					locur	e Forecast			2027	
	1,3	S	SUPPO	ORTIN	3 INFRASTRUCTURE						Josuit	Forecast			2021	
Line No	Poforonco Man	-	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit	Unit Rate	Unit Total		LIABLE VALUE	Notes
1					Clapham Shaft Complex					215,60				R	193 740,80	
3	00-	GA	A7.1	Y2021	Clapham Ventilation Shaft 8 Change House	Single storey building		Yes	3.1.1	440,00	m²	R 440,32	R 193 740,80	R	193 740,80	
5					Driekop Shaft Complex					181,30				R	162 918,40	
6 7 8	00-	GA	A7.2	Y2021	Driekop Ventilation Shaft 9 Change house	Single storey building		Yes	3.1.1	370,00	m²	R 440,32	R 162 918,40	R	162 918,40	
9					Tailings Complex									R		
10						Not Applicable		Yes	1,1	0,00	na	R -	R -	R	-	
					SUB-TOTAL 2 (Pa	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	10%							R R R R R	356 659,20 21 399,55 35 665,92 57 065,47 413 724,67	

Financial Provision





Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

			ı	NFRASTRUCTURAL ASPEC	CTS					locur	e Forecast			2028	
	1,3	SUPP	ORTIN	G INFRASTRUCTURE						Josuit	Frorecast			2020	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit	Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex					215,60				R	193 740,80	
2				Clapham Ventilation Shaft 8											
3 4	00-GA	A7.1	Y2021	Change House	Single storey building		Yes	3.1.1	440,00	m²	R 440,32	R 193 740,80	R	193 740,80	
5				Driekop Shaft Complex					181,30				R	162 918,40	
6	00.04	47.0	140004	Driekop Ventilation Shaft 9			.,	0.4.4	070.00		D 440.00			100.010.10	
8	00-GA	A7.2	Y2021	Change house	Single storey building		Yes	3.1.1	370,00	m²	R 440,32	R 162 918,40	ĸ	162 918,40	
9				Tailings Complex									R		
10					Not Applicable		Yes	1,1	0,00	na	R -	R -	R		
				SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	10%							R R R R R	356 659,20 21 399,55 35 665,92 57 065,47 413 724,67	

Financial Provision





Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

			1	NFRASTRUCTURAL ASPEC	ets				(losur	e Forecast			2029	
	1,3	SUPP	ORTIN	G INFRASTRUCTURE						nosur	e i Orecast			2023	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit	Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex					215,60				R	193 740,80	
2				Clapham Ventilation Shaft 8											
3 4	00-GA	A7.1	Y2021	Change House	Single storey building		Yes	3.1.1	440,00	m²	R 440,32	R 193 740,80	R	193 740,80	
5				Driekop Shaft Complex					181,30				R	162 918,40	
6	00.04	47.0		Driekop Ventilation Shaft 9				0.4.4	070.00		R 440.32			100.010.10	
8	00-GA	A7.2	Y2021	Change house	Single storey building		Yes	3.1.1	370,00	m²	R 440,32	R 162 918,40	K	162 918,40	
9				Tailings Complex									R		
10					Not Applicable		Yes	1,1	0,00	na	R -	R -	R	-	
				SUB-TOTAL 2 (Pa	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	10%							R R R R	356 659,20 21 399,55 35 665,92 57 065,47 413 724,67	

Financial Provision





Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

			1	NFRASTRUCTURAL ASPEC	ets				(losur	e Forecast			2030	
	1,3	SUPP	ORTIN	G INFRASTRUCTURE						nosur	e i Orecast			2030	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit	Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex					215,60				R	193 740,80	
2				Clapham Ventilation Shaft 8											
3 4	00-GA	A7.1	Y2021	Change House	Single storey building		Yes	3.1.1	440,00	m²	R 440,32	R 193 740,80	R	193 740,80	
5				Driekop Shaft Complex					181,30				R	162 918,40	
6	00.04	47.0		Driekop Ventilation Shaft 9				0.4.4	070.00		D 440.00			100.010.10	
8	00-GA	A7.2	Y2021	Change house	Single storey building		Yes	3.1.1	370,00	m²	R 440,32	R 162 918,40	ĸ	162 918,40	
9				Tailings Complex									R		
10					Not Applicable		Yes	1,1	0,00	na	R -	R -	R	-	
				SUB-TOTAL 2 (Pa	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	10%							R R R R	356 659,20 21 399,55 35 665,92 57 065,47 413 724,67	

Financial Provision





Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

				INFRASTRUCTURAL ASPEC	CTS				D	omoti		Closure		2021	
1	,7	LINEA	R ITEI	ws						ematt	печ	Glosure		2021	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total	LIABLE VALUE	Notes
1				Clapham Shaft Complex					0,00					R -	
2				Clapham Ventilation Shaft 8											
3	00-GA	А3	Y2021	Pipeline - Water Supply	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	0,00	m	R	17,07	R -	R -	Construction to commence in 2023
4	00-GA	А3	Y2021	Pipeline - Waste Water	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	0,00	m	R	17,07	R -	R -	Construction to commence in 2023
5	00-GA	A4	Y2021	Power Line	Major lines		No	5.3.2	0,00	m	R	88,75	R -	R -	Construction to commence in 2023
6	00-GA	A7.3	Y2021	,	Overland HDPE pipelines on plinths (350-500mm)		No	5.2.6	0,00	m	R	35,27	R -	R -	Construction to commence in 2024
7	00-GA	A2	Y2022	Fencing - Around 8# & Bulk Air Cooler	Dismantling of security fencing		No	5.5.3	0,00	m	R	23,89	R -	R -	Construction to commence in 2022
8	00-GA	A2	Y2022	Fencing - Around Fridge Palnt & Cooling Tower	Dismantling of security fencing		No	5.5.3	0,00	m	R	23,89	R -	R -	Construction to commence in 2022
10				Driekop Shaft Complex					0,00					R -	
11				Driekop Ventilation Shaft 9											
12	00-GA	А3	Y2021	Pipeline - Water Supply	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	0,00	m	R	17,07	R -	R -	Construction to commence in 2023
13	00-GA	А3	Y2021	Pipeline - Waste Water	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	0,00	m	R	17,07	R -	R -	Construction to commence in 2023
14 15	00-GA	A4	Y2021	Power Line	Major lines		No	5.3.2	0,00	m	R	88,75	R -	R -	Construction to commence in 2023
16				Tailings Complex					0,00					R -	
17	00-GA	A6	Y2021	Pipeline - FRD Tailings Line	Overland steel pipelines on plinths (350-500mm)		No	5.2.3	0,00	m	R	95,57	R -	R -	
				SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	6% 10%								R - R - R - R - R - R - R - R - R - R -	

Financial Provision



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Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

				NFRASTRUCTURAL ASPEC	CTS						-				0000	
1	,7	LINE	R ITEN	NS					,	Josur	его	orecast			2022	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex					0,00					R	15 050,70	
2				Clapham Ventilation Shaft 8												
3	00-GA	А3	Y2021	Pipeline - Water Supply	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	0,00	m	R	17,07	R -	R	-	Construction to commence in 2023
4	00-GA	А3	Y2021	Pipeline - Waste Water	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	0,00	m	R	17,07	R -	R	-	Construction to commence in 2023
5	00-GA	A4	Y2021	Power Line	Major lines		No	5.3.2	0,00	m	R	88,75	R -	R	-	Construction to commence in 2023
6	00-GA	A7.3	Y2021	Compressed Airline	Overland HDPE pipelines on plinths (350-500mm)		No	5.2.6	0,00	m	R	35,27	R -	R	-	Construction to commence in 2024
7	00-GA	A2	Y2022	Fencing - Around 8# & Bulk Air Cooler	Dismantling of security fencing		Yes	5.5.3	190,00	m	R	23,89	R 4 539,10	R	4 539,10	Construction commenced
8	00-GA	A2	Y2022	Fencing - Around Fridge Palnt & Cooling Tower	Dismantling of security fencing		Yes	5.5.3	440,00	m	R	23,89	R 10 511,60	R	10 511,60	Construction commenced
9 10				Driekop Shaft Complex					0,00					R		
11				Driekop Ventilation Shaft 9					0,00	_				ı i		
12	00-GA	А3	Y2021	Pipeline - Water Supply	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	5200,00	m	R	17,07	R 88 764,00	R	-	Construction to commence in 2023
13	00-GA	А3	Y2021	Pipeline - Waste Water	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	5200,00	m	R	17,07	R 88 764,00	R	-	Construction to commence in 2023
14 15	00-GA	A4	Y2021	Power Line	Major lines		No	5.3.2	3300,00	m	R	88,75	R 292 875,00	R		Construction to commence in 2023
16				Tailings Complex					0,00					R	345 294,41	
17	00-GA	A6	Y2021	Pipeline - FRD Tailings Line	Overland steel pipelines on plinths (350-500mm)		Yes	5.2.3	3613,00	m	R	95,57	R 345 294,41	R	345 294,41	Assume the same as the other Tailings pipeline.
				SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	6% 10%								R R R R	360 345,11 21 620,71 36 034,51 57 655,22 418 000,33	





Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

				INFRASTRUCTURAL ASPEC	тѕ						. F.				2022	
1	,7	LINE	R ITEN	MS						iosur	е го	recast			2023	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex					0,00					R	352 300,70	
2				Clapham Ventilation Shaft 8												450 11005 0: 1:11
3	00-GA	А3	Y2021	Pipeline - Water Supply	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	2100,00	m	R	17,07	R 35 847,00	R	-	150mm HDPE Pipes laid below ground. Pipes to remain buried post closure.
4	00-GA	А3	Y2021	Pipeline - Waste Water	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	2100,00	m	R	17,07	R 35 847,00	R	-	50mm HDPE Pipes laid below ground for wastewater. Pipes to remain buried post closure.
5	00-GA	A4	Y2021	Power Line	Major lines		Yes	5.3.2	3800,00	m	R	88,75	R 337 250,00	R	337 250,00	Construction commenced.
6	00-GA	A7.3	Y2021	Compressed Airline	Overland HDPE pipelines on plinths (350-500mm)		No	5.2.6	0,00	m	R	35,27	R -	R	-	Construction to commence in 2024
7	00-GA	A2	Y2022	Fencing - Around 8# & Bulk Air Cooler	Dismantling of security fencing		Yes	5.5.3	190,00	m	R	23,89	R 4 539,10	R	4 539,10	
8	00-GA	A2	Y2022	Fencing - Around Fridge Palnt & Cooling Tower	Dismantling of security fencing		Yes	5.5.3	440,00	m	R	23,89	R 10 511,60	R	10 511,60	
9 10				Driekop Shaft Complex					0,00					R	292 875,00	
11				Driekop Ventilation Shaft 9					0,00					K	292 675,00	
12	00-GA	А3	Y2021	Pipeline - Water Supply	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	5200,00	m	R	17,07	R 88 764,00	R	-	150mm HDPE Pipes laid below ground. Pipes to remain buried post closure.
13	00-GA	А3	Y2021	Pipeline - Waste Water	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	5200,00	m	R	17,07	R 88 764,00	R		50mm HDPE Pipes laid below ground for wastewater. Pipes to remain buried post closure.
14 15	00-GA	(<200mm)						5.3.2	3300,00	m	R	88,75	R 292 875,00	R	292 875,00	Construction commenced.
16				Tailings Complex					0,00					R	345 294,41	
17	00-GA	A6	Y2021	Pipeline - FRD Tailings Line	Overland steel pipelines on plinths (350-500mm)		Yes	5.2.3	3613,00	m	R	95,57	R 345 294,41	R	345 294,41	Assume the same as the other Tailings pipeline.
				SUB-TOTAL 2 (P&	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	6% 10%								R R R R	990 470,11 59 428,21 99 047,01 158 475,22 1 148 945,33	





Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

				INFRASTRUCTURAL ASPEC	тѕ					N = =	. 5-	precast			2024	
1	,7	LINE	R ITEN	MS						Josur	е го	recast			2024	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex					0,00					R	356 180,40	
2				Clapham Ventilation Shaft 8												450 11005 0: 1:11
3	00-GA	А3	Y2021	Pipeline - Water Supply	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	2100,00	m	R	17,07	R 35 847,00	R	-	150mm HDPE Pipes laid below ground. Pipes to remain buried post closure.
4	00-GA	А3	Y2021	Pipeline - Waste Water	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	2100,00	m	R	17,07	R 35 847,00	R	-	50mm HDPE Pipes laid below ground for wastewater. Pipes to remain buried post closure.
5	00-GA	A4	Y2021	Power Line	Major lines		Yes	5.3.2	3800,00	m	R	88,75	R 337 250,00	R	337 250,00	
6	00-GA	A7.3	Y2021	Compressed Airline	Overland HDPE pipelines on plinths (350-500mm)		Yes	5.2.6	110,00	m	R	35,27	R 3 879,70	R	3 879,70	Construction commenced.
7	00-GA	A2	Y2022	Cooler	Dismantling of security fencing		Yes	5.5.3	190,00	m	R	23,89	R 4 539,10	R	4 539,10	
8	00-GA	A2	Y2022	Fencing - Around Fridge Palnt & Cooling Tower	Dismantling of security fencing		Yes	5.5.3	440,00	m	R	23,89	R 10 511,60	R	10 511,60	
10				Driekop Shaft Complex					0,00					R	292 875,00	
11				Driekop Ventilation Shaft 9					3,33						202 010,00	
12	00-GA	А3	Y2021	Pipeline - Water Supply	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	5200,00	m	R	17,07	R 88 764,00	R	-	150mm HDPE Pipes laid below ground. Pipes to remain buried post closure.
13	00-GA	А3	Y2021	Pipeline - Waste Water	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	5200,00	m	R	17,07	R 88 764,00	R	-	50mm HDPE Pipes laid below ground for wastewater. Pipes to
14 15	00-GA	A4	Y2021	Power Line	Major lines		Yes	5.3.2	3300,00	m	R	88,75	R 292 875,00	R	292 875,00	remain buried post closure.
16				Tailings Complex					0,00					R	345 294,41	
17	00-GA	A6	Y2021	Pipeline - FRD Tailings Line	Overland steel pipelines on plinths (350-500mm)		Yes	5.2.3	3613,00	m	R	95,57	R 345 294,41	R	345 294,41	Assume the same as the other Tailings pipeline.
				SUB-TOTAL 2 (P&	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	6% 10%								R R R R	994 349,81 59 660,99 99 434,98 159 095,97 1 153 445,78	



Financial Provision



Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

				NFRASTRUCTURAL ASPEC	cts										0005	
1	,7	LINE	R ITEN	NS					,	Josur	е го	recast			2025	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex					0,00					R	356 180,40	
2				Clapham Ventilation Shaft 8												150mm HDPE Pipes laid below
3	00-GA	А3	Y2021	Pipeline - Water Supply	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	2100,00	m	R	17,07	R 35 847,00	R	-	ground. Pipes to remain buried post closure.
4	00-GA	А3	Y2021	Pipeline - Waste Water	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	2100,00	m	R	17,07	R 35 847,00	R	-	50mm HDPE Pipes laid below ground for wastewater. Pipes to remain buried post closure.
5	00-GA	A4	Y2021	Power Line	Major lines		Yes	5.3.2	3800,00	m	R	88,75	R 337 250,00	R	337 250,00	Tomain Sanda post diocare.
6	00-GA	A7.3	Y2021	Compressed Airline	Overland HDPE pipelines on plinths (350-500mm)		Yes	5.2.6	110,00	m	R	35,27	R 3 879,70	R	3 879,70	
7	00-GA	A2	Y2022	Fencing - Around 8# & Bulk Air Cooler	Dismantling of security fencing		Yes	5.5.3	190,00	m	R	23,89	R 4 539,10	R	4 539,10	
8	00-GA	A2	Y2022	Fencing - Around Fridge Palnt & Cooling Tower	Dismantling of security fencing		Yes	5.5.3	440,00	m	R	23,89	R 10 511,60	R	10 511,60	
9 10				Driekop Shaft Complex					0,00					R	292 875,00	
11				Driekop Ventilation Shaft 9					0,00					K	292 675,00	
12	00-GA	А3	Y2021	Pipeline - Water Supply	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	5200,00	m	R	17,07	R 88 764,00	R		150mm HDPE Pipes laid below ground. Pipes to remain buried post closure.
13	00-GA	А3	Y2021	Pipeline - Waste Water	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	5200,00	m	R	17,07	R 88 764,00	R	-	50mm HDPE Pipes laid below ground for wastewater. Pipes to
14 15	00-GA	A4	Y2021	Power Line	Major lines		Yes	5.3.2	3300,00	m	R	88,75	R 292 875,00	R	292 875,00	remain buried post closure.
16				Tailings Complex					0,00					R	345 294,41	
17	00-GA	A6	Y2021	Pipeline - FRD Tailings Line	Overland steel pipelines on plinths (350-500mm)		Yes	5.2.3	3613,00	m	R	95,57	R 345 294,41	R	345 294,41	Assume the same as the other Tailings pipeline.
				SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	10%								R R R R	994 349,81 59 660,99 99 434,98 159 095,97 1 153 445,78	





Ventilation Shaft 8 & 9 - EMPr Amendment

				NFRASTRUCTURAL ASPEC	CTS										0000	
1	,7	LINEA	R ITEN	NS					,	Josur	е го	recast			2026	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex					0,00					R	356 180,40	
2				Clapham Ventilation Shaft 8												150mm HDPE Pipes laid below
3	00-GA	А3	Y2021	Pipeline - Water Supply	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	2100,00	m	R	17,07	R 35 847,00	R	-	ground. Pipes to remain buried post closure.
4	00-GA	А3	Y2021	Pipeline - Waste Water	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	2100,00	m	R	17,07	R 35 847,00	R	-	50mm HDPE Pipes laid below ground for wastewater. Pipes to remain buried post closure.
5	00-GA	A4	Y2021	Power Line	Major lines		Yes	5.3.2	3800,00	m	R	88,75	R 337 250,00	R	337 250,00	romani sanoa post olecare.
6	00-GA	A7.3	Y2021	Compressed Airline	Overland HDPE pipelines on plinths (350-500mm)		Yes	5.2.6	110,00	m	R	35,27	R 3 879,70	R	3 879,70	
7	00-GA	A2	Y2022	Fencing - Around 8# & Bulk Air Cooler	Dismantling of security fencing		Yes	5.5.3	190,00	m	R	23,89	R 4 539,10	R	4 539,10	
8	00-GA	A2	Y2022	Fencing - Around Fridge Palnt & Cooling Tower	Dismantling of security fencing		Yes	5.5.3	440,00	m	R	23,89	R 10 511,60	R	10 511,60	
9 10				Driekop Shaft Complex					0,00					R	292 875,00	
11				Driekop Ventilation Shaft 9					0,00					K	292 675,00	
12	00-GA	А3	Y2021	Pipeline - Water Supply	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	5200,00	m	R	17,07	R 88 764,00	R		150mm HDPE Pipes laid below ground. Pipes to remain buried post closure.
13	00-GA	А3	Y2021	Pipeline - Waste Water	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	5200,00	m	R	17,07	R 88 764,00	R	-	50mm HDPE Pipes laid below ground for wastewater. Pipes to
14 15	00-GA	A4	Y2021	Power Line	Major lines		Yes	5.3.2	3300,00	m	R	88,75	R 292 875,00	R	292 875,00	remain buried post closure.
16				Tailings Complex					0,00					R	345 294,41	
17	00-GA	A6	Y2021	Pipeline - FRD Tailings Line	Overland steel pipelines on plinths (350-500mm)		Yes	5.2.3	3613,00	m	R	95,57	R 345 294,41	R	345 294,41	Assume the same as the other Tailings pipeline.
				SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	10%								R R R R	994 349,81 59 660,99 99 434,98 159 095,97 1 153 445,78	



Financial Provision



Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

				INFRASTRUCTURAL ASPEC	rts					Na ave	- F	orecast			2027	
1	,7	LINE	AR ITEN	MS						Josur	егс	recast			2021	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex					0,00					R	356 180,40	
2				Clapham Ventilation Shaft 8												150mm HDPE Pipes laid below
3	00-GA	А3	Y2021	Pipeline - Water Supply	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	2100,00	m	R	17,07	R 35 847,00	R	-	ground. Pipes to remain buried post closure.
4	00-GA	А3	Y2021	Pipeline - Waste Water	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	2100,00	m	R	17,07	R 35 847,00	R	-	50mm HDPE Pipes laid below ground for wastewater. Pipes to remain buried post closure.
5	00-GA	A4	Y2021	Power Line	Major lines		Yes	5.3.2	3800,00	m	R	88,75	R 337 250,00	R	337 250,00	
6	00-GA	A7.3	Y2021	Compressed Airline	Overland HDPE pipelines on plinths (350-500mm)		Yes	5.2.6	110,00	m	R	35,27	R 3 879,70	R	3 879,70	
7	00-GA	A2	Y2022	Fencing - Around 8# & Bulk Air Cooler	Dismantling of security fencing		Yes	5.5.3	190,00	m	R	23,89	R 4 539,10	R	4 539,10	
8	00-GA	A2	Y2022	Fencing - Around Fridge Palnt & Cooling Tower	Dismantling of security fencing		Yes	5.5.3	440,00	m	R	23,89	R 10 511,60	R	10 511,60	
9 10				Driekop Shaft Complex					0,00					R	292 875,00	
11				Driekop Ventilation Shaft 9					0,00					K	292 675,00	
12	00-GA	А3	Y2021	Pipeline - Water Supply	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	5200,00	m	R	17,07	R 88 764,00	R		150mm HDPE Pipes laid below ground. Pipes to remain buried post closure.
13	00-GA	А3	Y2021	Pipeline - Waste Water	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	5200,00	m	R	17,07	R 88 764,00	R	-	50mm HDPE Pipes laid below ground for wastewater. Pipes to
14 15	00-GA	A4	Y2021	Power Line	Major lines		Yes	5.3.2	3300,00	m	R	88,75	R 292 875,00	R	292 875,00	remain buried post closure.
16				Tailings Complex					0,00					R	345 294,41	
17	00-GA	A6	Y2021	Pipeline - FRD Tailings Line	Overland steel pipelines on plinths (350-500mm)		Yes	5.2.3	3613,00	m	R	95,57	R 345 294,41	R	345 294,41	Assume the same as the other Tailings pipeline.
			,	SUB-TOTAL 2 (P&	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	6% 10%								R R R R	994 349,81 59 660,99 99 434,98 159 095,97 1 153 445,78	



Financial Provision



Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

				NFRASTRUCTURAL ASPEC	cts										0000	
1	,7	LINE	R ITEN	NS					,	Josur	е го	recast			2028	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex					0,00					R	356 180,40	
2				Clapham Ventilation Shaft 8												150mm HDPE Pipes laid below
3	00-GA	А3	Y2021	Pipeline - Water Supply	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	2100,00	m	R	17,07	R 35 847,00	R	-	ground. Pipes to remain buried post closure.
4	00-GA	А3	Y2021	Pipeline - Waste Water	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	2100,00	m	R	17,07	R 35 847,00	R	-	50mm HDPE Pipes laid below ground for wastewater. Pipes to remain buried post closure.
5	00-GA	A4	Y2021	Power Line	Major lines		Yes	5.3.2	3800,00	m	R	88,75	R 337 250,00	R	337 250,00	romani sanoa post olecare.
6	00-GA	A7.3	Y2021	Compressed Airline	Overland HDPE pipelines on plinths (350-500mm)		Yes	5.2.6	110,00	m	R	35,27	R 3 879,70	R	3 879,70	
7	00-GA	A2	Y2022	Fencing - Around 8# & Bulk Air Cooler	Dismantling of security fencing		Yes	5.5.3	190,00	m	R	23,89	R 4 539,10	R	4 539,10	
8	00-GA	A2	Y2022	Fencing - Around Fridge Palnt & Cooling Tower	Dismantling of security fencing		Yes	5.5.3	440,00	m	R	23,89	R 10 511,60	R	10 511,60	
9 10				Driekop Shaft Complex					0,00					R	292 875,00	
11				Driekop Ventilation Shaft 9					0,00					K	292 675,00	
12	00-GA	А3	Y2021	Pipeline - Water Supply	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	5200,00	m	R	17,07	R 88 764,00	R		150mm HDPE Pipes laid below ground. Pipes to remain buried post closure.
13	00-GA	А3	Y2021	Pipeline - Waste Water	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	5200,00	m	R	17,07	R 88 764,00	R	-	50mm HDPE Pipes laid below ground for wastewater. Pipes to
14 15	00-GA	A4	Y2021	Power Line	Major lines		Yes	5.3.2	3300,00	m	R	88,75	R 292 875,00	R	292 875,00	remain buried post closure.
16				Tailings Complex					0,00					R	345 294,41	
17	00-GA	A6	Y2021	Pipeline - FRD Tailings Line	Overland steel pipelines on plinths (350-500mm)		Yes	5.2.3	3613,00	m	R	95,57	R 345 294,41	R	345 294,41	Assume the same as the other Tailings pipeline.
				SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	10%								R R R R	994 349,81 59 660,99 99 434,98 159 095,97 1 153 445,78	





Ventilation Shaft 8 & 9 - EMPr Amendment

				NFRASTRUCTURAL ASPEC	cts										0000	
1	,7	LINE	R ITEN	NS					,	Josur	е го	recast			2029	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex					0,00					R	356 180,40	
2				Clapham Ventilation Shaft 8												150mm HDPE Pipes laid below
3	00-GA	А3	Y2021	Pipeline - Water Supply	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	2100,00	m	R	17,07	R 35 847,00	R	-	ground. Pipes to remain buried post closure.
4	00-GA	А3	Y2021	Pipeline - Waste Water	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	2100,00	m	R	17,07	R 35 847,00	R	-	50mm HDPE Pipes laid below ground for wastewater. Pipes to remain buried post closure.
5	00-GA	A4	Y2021	Power Line	Major lines		Yes	5.3.2	3800,00	m	R	88,75	R 337 250,00	R	337 250,00	Tomain Sanda post diocare.
6	00-GA	A7.3	Y2021	Compressed Airline	Overland HDPE pipelines on plinths (350-500mm)		Yes	5.2.6	110,00	m	R	35,27	R 3 879,70	R	3 879,70	
7	00-GA	A2	Y2022	Fencing - Around 8# & Bulk Air Cooler	Dismantling of security fencing		Yes	5.5.3	190,00	m	R	23,89	R 4 539,10	R	4 539,10	
8	00-GA	A2	Y2022	Fencing - Around Fridge Palnt & Cooling Tower	Dismantling of security fencing		Yes	5.5.3	440,00	m	R	23,89	R 10 511,60	R	10 511,60	
9 10				Driekop Shaft Complex					0,00					R	292 875,00	
11				Driekop Ventilation Shaft 9					0,00					K	292 675,00	
12	00-GA	А3	Y2021	Pipeline - Water Supply	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	5200,00	m	R	17,07	R 88 764,00	R		150mm HDPE Pipes laid below ground. Pipes to remain buried post closure.
13	00-GA	А3	Y2021	Pipeline - Waste Water	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	5200,00	m	R	17,07	R 88 764,00	R	-	50mm HDPE Pipes laid below ground for wastewater. Pipes to
14 15	00-GA	A4	Y2021	Power Line	Major lines		Yes	5.3.2	3300,00	m	R	88,75	R 292 875,00	R	292 875,00	remain buried post closure.
16				Tailings Complex					0,00					R	345 294,41	
17	00-GA	A6	Y2021	Pipeline - FRD Tailings Line	Overland steel pipelines on plinths (350-500mm)		Yes	5.2.3	3613,00	m	R	95,57	R 345 294,41	R	345 294,41	Assume the same as the other Tailings pipeline.
				SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	10%								R R R R	994 349,81 59 660,99 99 434,98 159 095,97 1 153 445,78	



Financial Provision



Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

				NFRASTRUCTURAL ASPEC	rts					N = =	. F.	recast			2030	
1	,7	LINE	R ITEN	MS						Josur	е го	recast			2030	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex					0,00					R	356 180,40	
2				Clapham Ventilation Shaft 8												150mm HDPE Pipes laid below
3	00-GA	А3	Y2021	Pipeline - Water Supply	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	2100,00	m	R	17,07	R 35 847,00	R	-	ground. Pipes to remain buried post closure.
4	00-GA	А3	Y2021	Pipeline - Waste Water	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	2100,00	m	R	17,07	R 35 847,00	R	-	50mm HDPE Pipes laid below ground for wastewater. Pipes to remain buried post closure.
5	00-GA	A4	Y2021	Power Line	Major lines		Yes	5.3.2	3800,00	m	R	88,75	R 337 250,00	R	337 250,00	
6	00-GA	A7.3	Y2021	Compressed Airline	Overland HDPE pipelines on plinths (350-500mm)		Yes	5.2.6	110,00	m	R	35,27	R 3 879,70	R	3 879,70	
7	00-GA	A2	Y2022	Fencing - Around 8# & Bulk Air Cooler	Dismantling of security fencing		Yes	5.5.3	190,00	m	R	23,89	R 4 539,10	R	4 539,10	
8	00-GA	A2	Y2022	Fencing - Around Fridge Palnt & Cooling Tower	Dismantling of security fencing		Yes	5.5.3	440,00	m	R	23,89	R 10 511,60	R	10 511,60	
9 10				Driekop Shaft Complex					0,00					R	292 875,00	
11				Driekop Ventilation Shaft 9					0,00					K	292 675,00	
12	00-GA	А3	Y2021	Pipeline - Water Supply	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	5200,00	m	R	17,07	R 88 764,00	R		150mm HDPE Pipes laid below ground. Pipes to remain buried post closure.
13	00-GA	А3	Y2021	Pipeline - Waste Water	Overland HDPE pipelines on plinths (<200mm)		No	5.2.4	5200,00	m	R	17,07	R 88 764,00	R	-	50mm HDPE Pipes laid below ground for wastewater. Pipes to
14 15	00-GA	A4	Y2021	Power Line	Major lines		Yes	5.3.2	3300,00	m	R	88,75	R 292 875,00	R	292 875,00	remain buried post closure.
16				Tailings Complex					0,00					R	345 294,41	
17	00-GA	A6	Y2021	Pipeline - FRD Tailings Line	Overland steel pipelines on plinths (350-500mm)		Yes	5.2.3	3613,00	m	R	95,57	R 345 294,41	R	345 294,41	Assume the same as the other Tailings pipeline.
				SUB-TOTAL 2 (P&	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	6% 10%								R R R R	994 349,81 59 660,99 99 434,98 159 095,97 1 153 445,78	





Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

				ı	NFRASTRUCTURAL ASPE	стѕ				Pr	ematu	re Closure			2021	
	1,8		WAST	E DISF	POSAL						ematu	re Olosure			2021	
Line No		Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit	Unit Rate	Unit Total		LIABLE VALUE	Notes
1			Ŭ		Clapham Shaft Complex									R		
2					Clapham Ventilation Shaft 8											
2				Y2021	Sorting & Screening of Waste	Sorting and screening of waste		Yes	6,1	0,00	%	2,5%	6 R -	R	-	
3				Y2021	Disposal of Waste	Load and haul for 2km distance		Yes	9.6.3	0,00	m³/km	R 39,18	R -	R	-	
4 5					Driekop Shaft Complex									R		
6					Driekop Ventilation Shaft 9											
7				Y2021	Sorting & Screening of Waste	Sorting and screening of waste		Yes	6,1	0,00	%	2,5%	6 R -	R		
8				Y2021	Disposal of Waste	Load and haul for 2km distance		Yes	9.6.3	0,00	m³/km	R 39,18	R -	R	-	
9																
10					Tailings Complex									R		
11						Not Applicable		Yes	1,1	0,00	na	R -	R -	R	-	
					SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	10%							R R R R	- : :	

Financial Provision





Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

				NFRASTRUCTURAL ASPE	стѕ					locuro	Forecast			2022	
	,8	WAST	E DISF	POSAL						iosure	rorecast			2022	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit	Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex									R	•	
2				Clapham Ventilation Shaft 8											
2			Y2021	Sorting & Screening of Waste	Sorting and screening of waste		Yes	6,1	0,00	%	2,5%	R -	R	-	2.5% of total demolition cost.
3			Y2021	Disposal of Waste	Load and haul for 2km distance		Yes	9.6.3	0,00	m³/km	R 39,18	R -	R	-	2km for load and haul of total inert waste and to be dumped into shaft.
4 5				Driekop Shaft Complex									R	43 807,82	
6				Driekop Ventilation Shaft 9						_			K	43 007,02	
7			Y2021	Sorting & Screening of Waste	Sorting and screening of waste		Yes	6,1	1384381,40	%	2,5%	R 34 609,54	R	34 609,54	2.5% of total demolition cost.
8			Y2021	Disposal of Waste	Load and haul for 2km distance		Yes	9.6.3	-	m³/km				9 198,29	2km for load and haul of total inert waste and to be dumped into shaft.
9															
10				Tailings Complex									R		
11					Not Applicable		Yes	1,1	0,00	na	R -	R -	R	-	
				SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	10%							R R R R	43 807,82 2 628,47 4 380,78 7 009,25 50 817,08	

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Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

				NFRASTRUCTURAL ASPE	стѕ					locura	Forecast			2023	
	1,8	WAST	E DISF	POSAL						iosui e	Torecast			2023	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit	Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex									R	37 985,04	
2				Clapham Ventilation Shaft 8											
2			Y2021	Sorting & Screening of Waste	Sorting and screening of waste		Yes	6,1	1286985,75	%	2,5%	R 32 174,64	R	32 174,64	2.5% of total demolition cost.
3			Y2021	Disposal of Waste	Load and haul for 2km distance		Yes	9.6.3	148,30	m³/km	R 39,18	R 5 810,39	R	5 810,39	2km for load and haul of total inert waste and to be dumped into shaft.
4 5				Driekop Shaft Complex									R	43 807,82	
6				Driekop Ventilation Shaft 9									_	43 607,62	
7			Y2021	Sorting & Screening of Waste	Sorting and screening of waste		Yes	6,1	1384381,40	%	2,5%	R 34 609,54	R	34 609,54	2.5% of total demolition cost.
8			Y2021	Disposal of Waste	Load and haul for 2km distance		Yes	9.6.3		m³/km				9 198,29	2km for load and haul of total inert waste and to be dumped into shaft.
9													_		
10				Tailings Complex									R		
11					Not Applicable		Yes	1,1	0,00	na	R -	R -	R	-	
				SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	10%							R R R R	81 792,86 4 907,57 8 179,29 13 086,86 94 879,72	

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Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

			ı	NFRASTRUCTURAL ASPEC	стѕ				_	locuro	Forecast			2024	
1	,8	WAST	E DISF	POSAL						iosure	rorecast			2024	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit	Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex									R	51 275,77	
2 2 3 4				Clapham Ventilation Shaft 8 Sorting & Screening of Waste Disposal of Waste	Sorting and screening of waste Load and haul for 2km distance		Yes Yes	6,1 9.6.3	1480726,55 363,90	% m³/km	2,5% R 39,18			37 018,16 14 257,60	2.5% of total demolition cost. 2km for load and haul of total inert waste and to be dumped into shaft.
5				Driekop Shaft Complex									R	54 984,12	
6				Driekop Ventilation Shaft 9											
7			Y2021	Sorting & Screening of Waste	Sorting and screening of waste		Yes	6,1	1547299,80	%	2,5%	R 38 682,50	R	38 682,50	2.5% of total demolition cost.
8			Y2021	Disposal of Waste	Load and haul for 2km distance		Yes	9.6.3	416,07	m³/km	R 39,18	R 16 301,62	R	16 301,62	2km for load and haul of total inert waste and to be dumped into shaft.
9				- ··· • ·											
10				Tailings Complex	N. (A. 11 11				0.00				R	•	
11					Not Applicable		Yes	1,1	0,00	na	R -	R -	R	-	
				SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	10%							R R R R	106 259,88 6 375,59 10 625,99 17 001,58 123 261,46	

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Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

			ı	NFRASTRUCTURAL ASPEC	стѕ					locuro	Forecast			2025	
1	,8	WAST	E DISF	POSAL						nosure	Torecast			2023	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit	Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex									R	51 275,77	
2 2 3 4				Clapham Ventilation Shaft 8 Sorting & Screening of Waste Disposal of Waste	Sorting and screening of waste Load and haul for 2km distance		Yes Yes	6,1 9.6.3	1480726,55 363,90	% m³/km	2,5% R 39,18			37 018,16 14 257,60	2.5% of total demolition cost. 2km for load and haul of total inert waste and to be dumped into shaft.
5				Driekop Shaft Complex									R	54 984,12	
6				Driekop Ventilation Shaft 9											
7			Y2021	Sorting & Screening of Waste	Sorting and screening of waste		Yes	6,1	1547299,80	%	2,5%	R 38 682,50	R	38 682,50	2.5% of total demolition cost.
8			Y2021	Disposal of Waste	Load and haul for 2km distance		Yes	9.6.3	416,07	m³/km	R 39,18	R 16 301,62	R	16 301,62	2km for load and haul of total inert waste and to be dumped into shaft.
9													_		
10				Tailings Complex							_		R	•	
11					Not Applicable		Yes	1,1	0,00	na	R -	R -	R	-	
				SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	10%							R R R R	106 259,88 6 375,59 10 625,99 17 001,58 123 261,46	

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Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

				NFRASTRUCTURAL ASPEC	стѕ				_	locuro	Forecast			2026	
1	,8	WAST	E DISF	POSAL						iosure	rorecast			2020	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit	Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex									R	69 467,28	
2 2 3 4				Clapham Ventilation Shaft 8 Sorting & Screening of Waste Disposal of Waste	Sorting and screening of waste Load and haul for 2km distance		Yes Yes	6,1 9.6.3	2208387,12 363,90	% m³/km	2,5% R 39,18			55 209,68 14 257,60	2.5% of total demolition cost. 2km for load and haul of total inert waste and to be dumped into shaft.
5				Driekop Shaft Complex									R	54 984,12	
6				Driekop Ventilation Shaft 9											
7			Y2021	Sorting & Screening of Waste	Sorting and screening of waste		Yes	6,1	1547299,80	%	2,5%	R 38 682,50	R	38 682,50	2.5% of total demolition cost.
8			Y2021	Disposal of Waste	Load and haul for 2km distance		Yes	9.6.3	416,07	m³/km	R 39,18	R 16 301,62	R	16 301,62	2km for load and haul of total inert waste and to be dumped into shaft.
9													_		
10				Tailings Complex									R	•	
11					Not Applicable		Yes	1,1	0,00	na	R -	R -	R	-	
				SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	10%							R R R R	124 451,40 7 467,08 12 445,14 19 912,22 144 363,62	

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Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

			ı	NFRASTRUCTURAL ASPEC	CTS					locuro	Forecast			2027	
	,8	WAST	E DISF	POSAL						iosure	rorecast			2021	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit	Unit Rate	Unit Total		LIABLE VALUE	Notes
1		Ŭ		Clapham Shaft Complex									R	69 467,28	
2				Clapham Ventilation Shaft 8											
2			Y2021	Sorting & Screening of Waste	Sorting and screening of waste		Yes	6,1	2208387,12	%	2,5%	R 55 209,68	R	55 209,68	2.5% of total demolition cost. 2km for load and haul of total inert
3			Y2021	Disposal of Waste	Load and haul for 2km distance		Yes	9.6.3	363,90	m³/km	R 39,18	R 14 257,60	R	14 257,60	waste and to be dumped into shaft.
4															made and to be damped into chan
5				Driekop Shaft Complex									R	54 984,12	
6				Driekop Ventilation Shaft 9											
7			Y2021	Sorting & Screening of Waste	Sorting and screening of waste		Yes	6,1	1547299,80	%	2,5%	R 38 682,50	R	38 682,50	2.5% of total demolition cost.
8			Y2021	Disposal of Waste	Load and haul for 2km distance		Yes	9.6.3	416,07	m³/km	R 39,18	R 16 301,62	R	16 301,62	2km for load and haul of total inert waste and to be dumped into shaft.
9															waste and to be damped into chart
10				Tailings Complex									R		
11				J	Not Applicable		Yes	1,1	0,00	na	R -	R -	R		
								.,.	5,55						
				SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	10%							R R R R	124 451,40 7 467,08 12 445,14 19 912,22 144 363,62	

Financial Provision





Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

			•	NFRASTRUCTURAL ASPE	стѕ					Nosura	e Forecast			2028	
	1,8	WAS	TE DISF	POSAL						o o o o o o o o o o o o o o o o o o o	rorecast			2020	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit	Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex									R	69 467,28	
2			V/0004	Clapham Ventilation Shaft 8	Continue and a second profession of		V	0.4	0000007.40	0/	0.50/	D 55,000,00		55,000,00	O 50/ of total demolities and
2				Sorting & Screening of Waste	Sorting and screening of waste		Yes	6,1	2208387,12	%	2,5%			55 209,68	2.5% of total demolition cost. 2km for load and haul of total inert
3			Y2021	Disposal of Waste	Load and haul for 2km distance		Yes	9.6.3	363,90	m³/km	R 39,18	R 14 257,60	R	14 257,60	waste and to be dumped into shaft.
5				Driekop Shaft Complex									R	54 984,12	
6				Driekop Ventilation Shaft 9											
7			Y2021	Sorting & Screening of Waste	Sorting and screening of waste		Yes	6,1	1547299,80	%	2,5%	R 38 682,50	R	38 682,50	2.5% of total demolition cost.
8			Y2021	Disposal of Waste	Load and haul for 2km distance		Yes	9.6.3	416,07	m³/km	R 39,18	R 16 301,62	R	16 301,62	2km for load and haul of total inert waste and to be dumped into shaft.
9															
10				Tailings Complex									R		
11					Not Applicable		Yes	1,1	0,00	na	R -	R -	R	-	
				SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	10%							R R R R	124 451,40 7 467,08 12 445,14 19 912,22 144 363,62	

Financial Provision





Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

			ı	NFRASTRUCTURAL ASPEC	тѕ					locur	e Forecast			2029	
	1,8	WAST	E DISF	POSAL						, iosure	rorecast			2023	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit	Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex									R	211 056,86	
2				Clapham Ventilation Shaft 8											
2			Y2021	Sorting & Screening of Waste	Sorting and screening of waste		Yes	6,1	4358041,62	%	2,5%	R 108 951,04	R	108 951,04	2.5% of total demolition cost.
3			Y2021	Disposal of Waste	Load and haul for 2km distance		Yes	9.6.3	2606,07	m³/km	R 39,18	R 102 105,82	R	102 105,82	2km for load and haul of total inert waste and to be dumped into shaft.
4				Daiston Ober Committee										54.004.40	
5 6				Driekop Shaft Complex Driekop Ventilation Shaft 9									R	54 984,12	
7				Sorting & Screening of Waste	Sorting and screening of waste		Yes	6,1	1547299,80	%	2,5%	R 38 682,50	R	38 682,50	2.5% of total demolition cost.
8				Disposal of Waste	Load and haul for 2km distance		Yes	9.6.3	416,07					16 301,62	2km for load and haul of total inert waste and to be dumped into shaft.
9															
10				Tailings Complex									R	-	
11					Not Applicable		Yes	1,1	0,00	na	R -	R -	R	-	
	•		,	SUB-TOTAL 2 (P&	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	10%							R R R R	266 040,98 15 962,46 26 604,10 42 566,56 308 607,54	

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Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

			1	NFRASTRUCTURAL ASPEC	ets					losur	e Forecast			2030	
	1,8	WAST	E DISF	POSAL						, iosure	rorecast			2000	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit	Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex									R	211 056,86	
2 2 3				Clapham Ventilation Shaft 8 Sorting & Screening of Waste Disposal of Waste	Sorting and screening of waste Load and haul for 2km distance		Yes Yes	6,1 9.6.3	4358041,62 2606,07	% m³/km	2,5% R 39,18			108 951,04 102 105,82	2.5% of total demolition cost. 2km for load and haul of total inert waste and to be dumped into shaft.
5				Driekop Shaft Complex									R	54 984,12	
6				Driekop Ventilation Shaft 9											
7			Y2021	Sorting & Screening of Waste	Sorting and screening of waste		Yes	6,1	1547299,80	%	2,5%	R 38 682,50	R	38 682,50	2.5% of total demolition cost.
8			Y2021	Disposal of Waste	Load and haul for 2km distance		Yes	9.6.3	416,07	m³/km	R 39,18	R 16 301,62	R	16 301,62	2km for load and haul of total inert waste and to be dumped into shaft.
9				Tailings Complex									R		
11				Tallings Complex	Not Applicable		Yes	1.1	0,00	na	R -	R -	R		
					Not Applicable		163	','	0,00	IIa	IX -		1	-	
	-			SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	10%							R R R R	266 040,98 15 962,46 26 604,10 42 566,56 308 607,54	





Ventilation Shaft 8 & 9 - EMPr Amendment

			SU	JMMA	RY - GENER	AL ASPECTS								
5	GE	NERAL CLOSURE COMPONENTS & CRITERIA	Premature Closure	Clo	sure Forecast	Closure Forecast	Closure Forecast	Closure Fored	ast	Closure Forecast				
ID	COMPONENT	CLOSURE CRITERIA	2021		2022	2023	2024	2025		2026	2027	2028	2029	2030
5,1	GENERAL SURFACES	Infrastructural footprints: i. Shape and level area ii. Fill voids and make the area free draining iii. Rip 500mm deep iv. Import 250mm topsoil from the local stockpile onto the levelled surface v. Ameliorate and vegetate	R -	R	1 394 937,40	R 1 394 937,40	R 1 394 937,40	R 1 721 38	39,55	R 1 394 937,40				
5,2	POST CLOSURE MONITORING AND MAINTENANCE	Surface water monitoring: i. Allowance was made for 4 monitoring points Groundwater monitoring: i. Allowance was made for a period of 40 years post closure with a quarterly sampling frequency ii. Allowance was made for 8 monitoring points Biomonitoring: i. Allowance was made for 4 monitoring points Air Quality monitoring: i. Allowance was made for 4 monitoring points	R -	R	12 989,06	R 12 989,06	R 12 989,06	R 27.71	12,69	R 27 753,03	R 27 753,03	R 27 753,03	R 27 753,03	R 12 989,06
5,3	SPECIALIST STUDIES	Not Applicable	R -	R	-	R -	R -	R	- 1	R -	R -	R -	R -	R -
		SUB-TOTAL 1	R -	R	1 407 926,46	R 1 407 926,46	R 1 407 926,46	R 1749102	2,24	R 1 422 690,43	R 1 407 926,46			





Ventilation Shaft 8 & 9 - EMPr Amendment

				GENERAL ASPECTS					Р	romatu	ıro (Closure		2021	
5	i,1	GENE	RAL SI	JRFACES						rematu	ii e C	Jiosure		2021	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT Clapham Shaft Complex	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total	LIABLE VALUE	Notes
2				Clapham Ventilation Shaft 8					_				_	R -	
3	00-GA	A2	Y2021	General Surface Reclamation											
4				Dozing	Shaping, levelling of footprint areas (500mm)		No	10.1.1	0,00	ha	R	62 669,86	R -	R -	
5				Transport	Load and haul for 3km distance		No	9.6.4	0,00	m³/km	R	46,89	R -	R -	
6				Ripping	Ripping of areas to alleviate compaction		No	9.5.1	0,00	ha	R	14 659,31	R -	R -	
7				Establish vegetation	Establishment of vegetation (general)		No	10.4.1	0,00	ha	R	15 658,65	R -	R -	
8	00-GA	А3	Y2021	Water Supply Pipelines - Reclamation of disturbed area											
9				Dozing	Shaping, levelling of footprint areas (500mm)		No	10.1.1	0,00	ha	R	62 669,86	R -	R -	
10				Transport	Load and haul for 3km distance		No	9.6.4	0,00	m³/km	R	46,89	R -	R -	
11				Ripping	Ripping of areas to alleviate compaction		No	9.5.1	0,00	ha	R	14 659,31	R -	R -	
12				Establish vegetation	Establishment of vegetation (general)		No	10.4.1	0,00	ha	R	15 658,65	R -	R -	
13	00-GA	A4	Y2021	Low Grade ROM Stockpile - Reclamation of disturbed area											
14				Liner	Removal of single HDPE liner		No	6,4	0,00	m²	R	10,24	R -	R -	
19														_	
20 21				Driekop Shaft Complex Driekop Ventilation Shaft 9										R -	
22	00-GA	A1	Y2021	General Surface Reclamation											
23				Dozing	Shaping, levelling of footprint areas (500mm)		No	10.1.1	0,00	ha	R	62 669,86	R -	R -	
24				Transport	Load and haul for 3km distance		No	9.6.4	0,00	m³/km	R	46,89	R -	R -	
25				Ripping	Ripping of areas to alleviate compaction		No	9.5.1	0,00	ha	R	14 659,31	R -	R -	
26				Establish vegetation	Establishment of vegetation (general)		No	10.4.1	0,00	ha	R	15 658,65	R -	R -	
27	00-GA	А3	Y2021	Water Supply Pipelines - Reclamation of disturbed area											
28				Dozing	Shaping, levelling of footprint areas (500mm)		No	10.1.1	0,00	ha	R	62 669,86	R -	R -	
29				Transport	Load and haul for 3km distance		No	9.6.4	0,00	m³/km	R	46,89	R -	R -	
30				Ripping	Ripping of areas to alleviate compaction		No	9.5.1	0,00	ha	R	14 659,31	R -	R -	
31				Establish vegetation	Establishment of vegetation (general)		No	10.4.1	0,00	ha	R	15 658,65	R -	R -	
32 33				Tailings Complex										R -	
34				Tallings Complex	Not Applicable		Yes	1,1	0,00	na	R		R -	R -	
				SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	6% 10%								R - R - R - R - R - R - R - R - R - R -	





Ventilation Shaft 8 & 9 - EMPr Amendment

				GENERAL ASPECTS						Nocur	. Eo	recast			2022	
5	,1	GENE	RAL S	URFACES						Josure	# FU	recasi			2022	
. Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total		LIABLE VALUE	Notes
1 2				Clapham Shaft Complex Clapham Ventilation Shaft 8										R	1 350 217,93	
3	00-GA	A2	Y2021	General Surface Reclamation												1,36ha needs to be rehabilitated.
4				Dozing	Shaping, levelling of footprint areas		Yes	10.1.1	0,68	ha	R	62 669,86	R 42 615,50	R	42 615,50	Assume 50% of footprint
5				Transport	(500mm) Load and haul for 3km distance		Yes	9.6.4	3400,00	m³/km	R	46,89	R 159 426,00	R	159 426,00	250mm thick layer from local
				,	Ripping of areas to alleviate								,,,,		·	stockpiles
6				Ripping	compaction		Yes	9.5.1	1,36	ha	R	14 659,31	R 19 936,66	R	19 936,66	500 mm Deep ripping
7				Establish vegetation	Establishment of vegetation (general)		Yes	10.4.1	1,36	ha	R	15 658,65	R 21 295,76	R	21 295,76	Includes soil amelioration, cultivation and seeding actions
8	00-GA	А3	Y2021	Water Supply Pipelines - Reclamation of disturbed area												Construction to commence in 2023
9				Dozing	Shaping, levelling of footprint areas (500mm)		No	10.1.1	0,00	ha	R	62 669,86	R -	R	-	
10				Transport	Load and haul for 3km distance		No	9.6.4	0,00	m³/km	R	46,89	R -	R	-	
11				Ripping	Ripping of areas to alleviate compaction		No	9.5.1	0,00	ha	R	14 659,31	R -	R	-	
12				Establish vegetation	Establishment of vegetation (general)		No	10.4.1	0,00	ha	R	15 658,65	R -	R	-	
13	00-GA	A4	Y2021	Low Grade ROM Stockpile - Reclamation of disturbed area												General Surface Reclamation already included in the current liability.
14				Liner	Removal of single HDPE liner		Yes	6,4	108100,00	m²	R	10,24	R 1 106 944,00	R	1 106 944,00	Class 3 waste assume facility is lined with HDPE liner
19																
20				Driekop Shaft Complex										R	44 719,47	
21 22	00-GA	A1	Y2021	Driekop Ventilation Shaft 9 General Surface Reclamation												0,25ha needs to be rehabilitated.
23	00-37	Α'	12021	Dozing Dozing	Shaping, levelling of footprint areas (500mm)		Yes	10.1.1	0,13	ha	R	62 669,86	R 7 833,73	R	7 833,73	Assume 50% of footprint
24				Transport	Load and haul for 3km distance		Yes	9.6.4	625,00	m³/km	R	46,89	R 29 306,25	R	29 306,25	250mm thick layer from local stockpiles
25				Ripping	Ripping of areas to alleviate compaction		Yes	9.5.1	0,25	ha	R	14 659,31	R 3 664,83	R	3 664,83	500 mm Deep ripping
26				Establish vegetation	Establishment of vegetation (general)		Yes	10.4.1	0,25	ha	R	15 658,65	R 3 914,66	R	3 914,66	Includes soil amelioration, cultivation and seeding actions
27	00-GA	АЗ	Y2021	Water Supply Pipelines - Reclamation of disturbed area												Construction to commence in 2023
28				Dozing	Shaping, levelling of footprint areas (500mm)		No	10.1.1	0,00	ha	R	62 669,86	R -	R	-	
29				Transport	Load and haul for 3km distance		No	9.6.4	0,00	m³/km	R	46,89	R -	R	-	
30				Ripping	Ripping of areas to alleviate		No	9.5.1	0,00	ha	R	14 659,31	R -	R	-	
31				Establish vegetation	compaction Establishment of vegetation		No	10.4.1	0,00	ha	R	15 658,65	R -	R	-	
32				-	(general)											
33				Tailings Complex										R	-	
34					Not Applicable		Yes	1,1	0,00	na	R	-	R -	R		
				SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	6% 10%								R R R R	1 394 937,40 83 696,24 139 493,74 223 189,98 1 618 127,39	





Ventilation Shaft 8 & 9 - EMPr Amendment

				GENERAL ASPECTS						Nasuu		precast			2022	
5	,1	GENE	RAL SI	JRFACES						Josure	е го	recast			2023	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex										R	1 350 217,93	
2				Clapham Ventilation Shaft 8												
3	00-GA	A2	Y2021	General Surface Reclamation Dozing	Shaping, levelling of footprint areas		Yes	10.1.1	0,68	ha	R	62 669,86	R 42 615,50	R	42 615,50	1,36ha needs to be rehabilitated. Assume 50% of footprint
					(500mm)				·				, , ,			250mm thick layer from local
5				Transport	Load and haul for 3km distance		Yes	9.6.4	3400,00	m³/km	R	46,89	R 159 426,00	R	159 426,00	stockpiles
6				Ripping	Ripping of areas to alleviate compaction		Yes	9.5.1	1,36	ha	R	14 659,31	R 19 936,66	R	19 936,66	500 mm Deep ripping
7			V0004	Establish vegetation Water Supply Pipelines -	Establishment of vegetation (general)		Yes	10.4.1	1,36	ha	R	15 658,65	R 21 295,76	R	21 295,76	Includes soil amelioration, cultivation and seeding actions Area of disturbance for the
8	00-GA	A3	Y2021	Reclamation of disturbed area	Shaping, levelling of footprint areas											establishment of water supply pipelines = 1,30Ha
9				Dozing	(500mm)		No	10.1.1	0,00	ha	R	62 669,86	R -	R	-	Construction to commence in 2023
10				Transport	Load and haul for 3km distance		No	9.6.4	0,00	m³/km	R	46,89	R -	R	-	
11				Ripping	Ripping of areas to alleviate compaction		No	9.5.1	0,00	ha	R	14 659,31	R -	R	-	
12				Establish vegetation	Establishment of vegetation (general)		No	10.4.1	0,00	ha	R	15 658,65	R -	R	-	
13	00-GA	A4	Y2021	Low Grade ROM Stockpile - Reclamation of disturbed area												General Surface Reclamation already included in the current liability.
14 19				Liner	Removal of single HDPE liner		Yes	6,4	108100,00	m²	R	10,24	R 1 106 944,00	R	1 106 944,00	Class 3 waste assume facility is lined with HDPE liner
20				Driekop Shaft Complex										R	44 719,47	
21				Driekop Ventilation Shaft 9												
22	00-GA	A1	Y2021	General Surface Reclamation												0,25ha needs to be rehabilitated.
23				Dozing	Shaping, levelling of footprint areas (500mm)		Yes	10.1.1	0,13	ha	R	62 669,86	R 7 833,73	R	7 833,73	Assume 50% of footprint
24				Transport	Load and haul for 3km distance		Yes	9.6.4	625,00	m³/km	R	46,89	R 29 306,25	R	29 306,25	250mm thick layer from local stockpiles
25				Ripping	Ripping of areas to alleviate compaction		Yes	9.5.1	0,25	ha	R	14 659,31	R 3 664,83	R	3 664,83	500 mm Deep ripping
26				Establish vegetation	Establishment of vegetation (general)		Yes	10.4.1	0,25	ha	R	15 658,65	R 3 914,66	R	3 914,66	Includes soil amelioration, cultivation and seeding actions
27	00-GA	А3	Y2021	Water Supply Pipelines - Reclamation of disturbed area												Construction to commence in 2023
28				Dozing	Shaping, levelling of footprint areas (500mm)		Yes	10.1.1	0,00	ha	R	62 669,86	R -	R	-	
29				Transport	Load and haul for 3km distance		Yes	9.6.4	0,00	m³/km	R	46,89	R -	R	-	
30				Ripping	Ripping of areas to alleviate compaction		Yes	9.5.1	0,00	ha	R	14 659,31	R -	R	-	
31				Establish vegetation	Establishment of vegetation		Yes	10.4.1	0,00	ha	R	15 658,65	R -	R		
32				•	(general)											
33				Tailings Complex										R	-	
34					Not Applicable		Yes	1,1	0,00	na	R	-	R -	R	-	
				SUB-TOTAL 2 (Pa	SUB-TOTAL 1 Preliminaries and General Contingency G's AND CONTINGENCIES) GRAND-TOTAL	6% 10%								R R R R	1 394 937,40 83 696,24 139 493,74 223 189,98 1 618 127,39	
					OWNE TOTAL										1 010 121,00	





Ventilation Shaft 8 & 9 - EMPr Amendment

				GENERAL ASPECTS						Noour	. F.	roost			2024	
5	,1	GENE	RAL SI	JRFACES						Josure	∌ го	orecast			2024	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex										R	1 350 217,93	
2				Clapham Ventilation Shaft 8												
3	00-GA	A2	Y2021	General Surface Reclamation Dozing	Shaping, levelling of footprint areas		Yes	10.1.1	0,68	ha	R	62 669,86	R 42 615,50	R	42 615,50	1,36ha needs to be rehabilitated. Assume 50% of footprint
					(500mm)				·				, , ,			250mm thick layer from local
5				Transport	Load and haul for 3km distance		Yes	9.6.4	3400,00	m³/km	R	46,89	R 159 426,00	R	159 426,00	stockpiles
6				Ripping	Ripping of areas to alleviate compaction		Yes	9.5.1	1,36	ha	R	14 659,31	R 19 936,66	R	19 936,66	500 mm Deep ripping
7				Establish vegetation	Establishment of vegetation (general)		Yes	10.4.1	1,36	ha	R	15 658,65	R 21 295,76	R	21 295,76	Includes soil amelioration, cultivation and seeding actions
8	00-GA	А3	Y2021	Water Supply Pipelines - Reclamation of disturbed area												Area of disturbance for the establishment of water supply pipelines = 1,30Ha
9				Dozing	Shaping, levelling of footprint areas (500mm)		No	10.1.1	0,00	ha	R	62 669,86	R -	R	-	Construction to be completed in 2024
10				Transport	Load and haul for 3km distance		No	9.6.4	0,00	m³/km	R	46,89	R -	R	-	
11				Ripping	Ripping of areas to alleviate compaction		No	9.5.1	0,00	ha	R	14 659,31	R -	R	-	
12				Establish vegetation	Establishment of vegetation (general)		No	10.4.1	0,00	ha	R	15 658,65	R -	R	-	
13	00-GA	A4	Y2021	Low Grade ROM Stockpile - Reclamation of disturbed area												General Surface Reclamation already included in the current liability.
14				Liner	Removal of single HDPE liner		Yes	6,4	108100,00	m²	R	10,24	R 1 106 944,00	R	1 106 944,00	Class 3 waste assume facility is lined with HDPE liner
19				Delaham Ober (Osmorlan											44.740.47	
20 21				Driekop Shaft Complex Driekop Ventilation Shaft 9										R	44 719,47	
22	00-GA	A1	Y2021	General Surface Reclamation												0,25ha needs to be rehabilitated.
23			12021	Dozing	Shaping, levelling of footprint areas (500mm)		Yes	10.1.1	0,13	ha	R	62 669,86	R 7 833,73	R	7 833,73	Assume 50% of footprint
24				Transport	Load and haul for 3km distance		Yes	9.6.4	625,00	m³/km	R	46,89	R 29 306,25	R	29 306,25	250mm thick layer from local stockpiles
25				Ripping	Ripping of areas to alleviate compaction		Yes	9.5.1	0,25	ha	R	14 659,31	R 3 664,83	R	3 664,83	500 mm Deep ripping
26				Establish vegetation	Establishment of vegetation (general)		Yes	10.4.1	0,25	ha	R	15 658,65	R 3 914,66	R	3 914,66	Includes soil amelioration, cultivation and seeding actions Area of disturbance for the
27	00-GA	А3	Y2021	Water Supply Pipelines - Reclamation of disturbed area												establishment of water supply pipelines = 1,30Ha
28				Dozing	Shaping, levelling of footprint areas (500mm)		Yes	10.1.1	0,00	ha	R	62 669,86	R -	R	-	Construction to be completed in 2024
29				Transport	Load and haul for 3km distance		Yes	9.6.4	0,00	m³/km	R	46,89	R -	R	-	
30				Ripping	Ripping of areas to alleviate compaction		Yes	9.5.1	0,00	ha	R	14 659,31	R -	R	-	
31				Establish vegetation	Establishment of vegetation		Yes	10.4.1	0,00	ha	R	15 658,65	R -	R	-	
32				, and the second	(general)							-,				
33				Tailings Complex										R		
34					Not Applicable		Yes	1,1	0,00	na	R		R -	R		
				SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES)	6% 10%								R R R	1 394 937,40 83 696,24 139 493,74 223 189,98	
					GRAND-TOTAL									R	1 618 127,39	





Ventilation Shaft 8 & 9 - EMPr Amendment

				GENERAL ASPECTS						Nasum					2025	
5	,1	GENE	RAL SI	JRFACES						Josure	е го	orecast			2025	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex										R	1 582 759,19	
2				Clapham Ventilation Shaft 8												
3 4	00-GA	A2	Y2021	General Surface Reclamation Dozing	Shaping, levelling of footprint areas (500mm)		Yes	10.1.1	0,68	ha	R	62 669,86	R 42 615,	50 R	42 615,50	1,36ha needs to be rehabilitated. Assume 50% of footprint
5				Transport	Load and haul for 3km distance		Yes	9.6.4	3400,00	m³/km	R	46,89	R 159 426,	00 R	159 426,00	250mm thick layer from local stockpiles
6				Ripping	Ripping of areas to alleviate compaction		Yes	9.5.1	1,36	ha	R	14 659,31	R 19 936,	66 R	19 936,66	500 mm Deep ripping
7				Establish vegetation Water Supply Pipelines -	Establishment of vegetation (general)		Yes	10.4.1	1,36	ha	R	15 658,65	R 21 295,	76 R	21 295,76	Includes soil amelioration, cultivation and seeding actions Area of disturbance for the
8	00-GA	A3	Y2021	Reclamation of disturbed area	Observe describe a describe a serve											establishment of water supply pipelines = 1,30Ha
9				Dozing	Shaping, levelling of footprint areas (500mm)		Yes	10.1.1	0,65	ha	R	62 669,86	R 40 735,	11 R	40 735,41	Assume 50% of footprint
10				Transport	Load and haul for 3km distance		Yes	9.6.4	3250,00	m³/km	R	46,89	R 152 392,	50 R	152 392,50	250mm thick layer from local stockpiles
11				Ripping	Ripping of areas to alleviate compaction		Yes	9.5.1	1,30	ha	R	14 659,31	R 19 057,	0 R	19 057,10	500 mm Deep ripping
12				Establish vegetation	Establishment of vegetation (general)		Yes	10.4.1	1,30	ha	R	15 658,65	R 20 356,	25 R	20 356,25	Includes soil amelioration, cultivation and seeding actions
13	00-GA	A4	Y2021	Low Grade ROM Stockpile - Reclamation of disturbed area												General Surface Reclamation already included in the current liability.
14 19				Liner	Removal of single HDPE liner		Yes	6,4	108100,00	m²	R	10,24	R 1 106 944,	00 R	1 106 944,00	Class 3 waste assume facility is lined with HDPE liner
20				Driekop Shaft Complex										R	138 630,36	
21				Driekop Ventilation Shaft 9											100 000,000	
22	00-GA	A1	Y2021	General Surface Reclamation												0,25ha needs to be rehabilitated.
23				Dozing	Shaping, levelling of footprint areas (500mm)		Yes	10.1.1	0,13	ha	R	62 669,86	R 7 833,	'3 R	7 833,73	Assume 50% of footprint
24				Transport	Load and haul for 3km distance		Yes	9.6.4	625,00	m³/km	R	46,89	R 29 306,	25 R	29 306,25	250mm thick layer from local stockpiles
25				Ripping	Ripping of areas to alleviate compaction		Yes	9.5.1	0,25	ha	R	14 659,31	R 3 664,	33 R	3 664,83	500 mm Deep ripping
26				Establish vegetation Water Supply Pipelines -	Establishment of vegetation (general)		Yes	10.4.1	0,25	ha	R	15 658,65	R 3 914,	66 R	3 914,66	Includes soil amelioration, cultivation and seeding actions Area of disturbance for the
27	00-GA	A3	Y2021	Reclamation of disturbed area	Chaning levelling of factorist services											establishment of water supply pipelines = 1,30Ha
28				Dozing	Shaping, levelling of footprint areas (500mm)		Yes	10.1.1	0,26	ha	R	62 669,86	R 16 450,	84 R	16 450,84	Assume 50% of footprint
29				Transport	Load and haul for 3km distance		Yes	9.6.4	1312,50	m³/km	R	46,89	R 61 543,	3 R	61 543,13	250mm thick layer from local stockpiles
30				Ripping	Ripping of areas to alleviate compaction		Yes	9.5.1	0,53	ha	R	14 659,31	R 7 696,	4 R	7 696,14	500 mm Deep ripping
31				Establish vegetation	Establishment of vegetation (general)		Yes	10.4.1	0,53	ha	R	15 658,65	R 8 220,	'9 R	8 220,79	Includes soil amelioration, cultivation and seeding actions
32				Tailings Complex										R		
33 34				Tailings Complex	Not Applicable		Yes	1,1	0,00	na	R		R	R		
									-,,,,							
				SUB-TOTAL 2 (Pa	SUB-TOTAL 1 Preliminaries and General Contingency G's AND CONTINGENCIES) GRAND-TOTAL	6% 10%								R R R R	103 283,37 172 138,96	





Ventilation Shaft 8 & 9 - EMPr Amendment

				GENERAL ASPECTS						Nocure	s Eo	precast			2026	
5	,1	GENE	RAL S	URFACES						Jiosure	e FU	recasi			2020	
. Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total		LIABLE VALUE	Notes
1 2				Clapham Shaft Complex Clapham Ventilation Shaft 8										R	1 350 217,93	
3	00-GA	A2	Y2021	General Surface Reclamation												1,36ha needs to be rehabilitated.
4				Dozing	Shaping, levelling of footprint areas		Yes	10.1.1	0,68	ha	R	62 669,86	R 42 615,50	R	42 615,50	Assume 50% of footprint
5				Transport	(500mm) Load and haul for 3km distance		Yes	9.6.4	3400,00	m³/km	R	46,89	R 159 426,00	R	159 426,00	250mm thick layer from local
				,	Ripping of areas to alleviate								,,,,		·	stockpiles
6				Ripping	compaction		Yes	9.5.1	1,36	ha	R	14 659,31	R 19 936,66	R	19 936,66	500 mm Deep ripping
7				Establish vegetation	Establishment of vegetation (general)		Yes	10.4.1	1,36	ha	R	15 658,65	R 21 295,76	R	21 295,76	Includes soil amelioration, cultivation and seeding actions
8	00-GA	А3	Y2021	Water Supply Pipelines - Reclamation of disturbed area												Surface rehabilitation completed in 2025
9				Dozing	Shaping, levelling of footprint areas (500mm)		No	10.1.1	0,00	ha	R	62 669,86	R -	R	-	
10				Transport	Load and haul for 3km distance		No	9.6.4	0,00	m³/km	R	46,89	R -	R	-	
11				Ripping	Ripping of areas to alleviate compaction		No	9.5.1	0,00	ha	R	14 659,31	R -	R	-	
12				Establish vegetation	Establishment of vegetation (general)		No	10.4.1	0,00	ha	R	15 658,65	R -	R	-	
13	00-GA	A4	Y2021	Low Grade ROM Stockpile - Reclamation of disturbed area												General Surface Reclamation already included in the current
14				Liner	Removal of single HDPE liner		Yes	6,4	108100,00	m²	R	10,24	R 1 106 944,00	R	1 106 944,00	liability. Class 3 waste assume facility is lined with HDPE liner
19																lined with ADPE liner
20				Driekop Shaft Complex										R	44 719,47	
21				Driekop Ventilation Shaft 9												
22	00-GA	A1	Y2021	General Surface Reclamation	Shaping, levelling of footprint areas						_			_		0,25ha needs to be rehabilitated.
23				Dozing	(500mm)		Yes	10.1.1	0,13	ha	R	62 669,86	R 7 833,73	R	7 833,73	Assume 50% of footprint
24				Transport	Load and haul for 3km distance		Yes	9.6.4	625,00	m³/km	R	46,89	R 29 306,25	R	29 306,25	250mm thick layer from local stockpiles
25				Ripping	Ripping of areas to alleviate compaction		Yes	9.5.1	0,25	ha	R	14 659,31	R 3 664,83	R	3 664,83	500 mm Deep ripping
26				Establish vegetation	Establishment of vegetation (general)		Yes	10.4.1	0,25	ha	R	15 658,65	R 3 914,66	R	3 914,66	Includes soil amelioration, cultivation and seeding actions
27	00-GA	АЗ	Y2021	Water Supply Pipelines - Reclamation of disturbed area												Surface rehabilitation completed in 2025
28				Dozing	Shaping, levelling of footprint areas (500mm)		No	10.1.1	0,00	ha	R	62 669,86	R -	R	-	
29				Transport	Load and haul for 3km distance		No	9.6.4	0,00	m³/km	R	46,89	R -	R	-	
30				Ripping	Ripping of areas to alleviate compaction		No	9.5.1	0,00	ha	R	14 659,31	R -	R	-	
31				Establish vegetation	Establishment of vegetation (general)		No	10.4.1	0,00	ha	R	15 658,65	R -	R		
32					(3)											
33				Tailings Complex										R		
34					Not Applicable		Yes	1,1	0,00	na	R	-	R -	R	•	
				SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	6% 10%								R R R R	1 394 937,40 83 696,24 139 493,74 223 189,98 1 618 127,39	





Ventilation Shaft 8 & 9 - EMPr Amendment

				GENERAL ASPECTS						Nasuu		precast			2027	
5	,1	GENE	RAL SI	JRFACES						Josure	е го	recast			2027	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex										R	1 350 217,93	
2				Clapham Ventilation Shaft 8												
3	00-GA	A2	Y2021	General Surface Reclamation Dozing	Shaping, levelling of footprint areas		Yes	10.1.1	0,68	ha	R	62 669,86	R 42 615,50	R	42 615,50	1,36ha needs to be rehabilitated. Assume 50% of footprint
5				Transport	(500mm) Load and haul for 3km distance		Yes	9.6.4	3400,00	m³/km	R		R 159 426,00		159 426,00	250mm thick layer from local
				•	Ripping of areas to alleviate								.,			stockpiles
6				Ripping	compaction Establishment of vegetation		Yes	9.5.1	1,36	ha	R		R 19 936,66		19 936,66	500 mm Deep ripping Includes soil amelioration, cultivation
7				Establish vegetation	(general)		Yes	10.4.1	1,36	ha	R	15 658,65	R 21 295,76	R	21 295,76	and seeding actions
8	00-GA	А3	Y2021	Water Supply Pipelines - Reclamation of disturbed area												Surface rehabilitation completed in 2025
9				Dozing	Shaping, levelling of footprint areas (500mm)		No	10.1.1	0,00	ha	R	62 669,86	R -	R	-	
10				Transport	Load and haul for 3km distance		No	9.6.4	0,00	m³/km	R	46,89	R -	R	-	
11				Ripping	Ripping of areas to alleviate compaction		No	9.5.1	0,00	ha	R	14 659,31	R -	R	-	
12				Establish vegetation	Establishment of vegetation (general)		No	10.4.1	0,00	ha	R	15 658,65	R -	R	-	
13	00-GA	A4	Y2021	Low Grade ROM Stockpile - Reclamation of disturbed area												General Surface Reclamation already included in the current liability.
14 19				Liner	Removal of single HDPE liner		Yes	6,4	108100,00	m²	R	10,24	R 1 106 944,00	R	1 106 944,00	Class 3 waste assume facility is lined with HDPE liner
20				Driekop Shaft Complex										R	44 719,47	
21				Driekop Ventilation Shaft 9												
22	00-GA	A1	Y2021	General Surface Reclamation												0,25ha needs to be rehabilitated.
23				Dozing	Shaping, levelling of footprint areas (500mm)		Yes	10.1.1	0,13	ha	R	62 669,86	R 7 833,73	R	7 833,73	Assume 50% of footprint
24				Transport	Load and haul for 3km distance		Yes	9.6.4	625,00	m³/km	R	46,89	R 29 306,25	R	29 306,25	250mm thick layer from local stockpiles
25				Ripping	Ripping of areas to alleviate compaction		Yes	9.5.1	0,25	ha	R	14 659,31	R 3 664,83	R	3 664,83	500 mm Deep ripping
26				Establish vegetation	Establishment of vegetation (general)		Yes	10.4.1	0,25	ha	R	15 658,65	R 3 914,66	R	3 914,66	Includes soil amelioration, cultivation and seeding actions
27	00-GA	А3	Y2021	Water Supply Pipelines - Reclamation of disturbed area												Surface rehabilitation completed in 2025
28				Dozing	Shaping, levelling of footprint areas (500mm)		No	10.1.1	0,00	ha	R	62 669,86	R -	R	-	Surface rehabilitation completed in 2025
29				Transport	Load and haul for 3km distance		No	9.6.4	0,00	m³/km	R	46,89	R -	R	-	
30				Ripping	Ripping of areas to alleviate compaction		No	9.5.1	0,00	ha	R	14 659,31	R -	R	-	
31				Establish vegetation	Establishment of vegetation (general)		No	10.4.1	0,00	ha	R	15 658,65	R -	R	-	
32																
33				Tailings Complex										R		
34					Not Applicable		Yes	1,1	0,00	na	R	-	R -	R		
				SUB-TOTAL 2 (Pa	SUB-TOTAL 1 Preliminaries and General Contingency G's AND CONTINGENCIES) GRAND-TOTAL	6% 10%								R R R	1 394 937,40 83 696,24 139 493,74 223 189,98 1 618 127,39	
															. 310 121103	





Ventilation Shaft 8 & 9 - EMPr Amendment

				GENERAL ASPECTS						Noour	. Fa	precast			2029	
5	,1	GENE	RAL SI	JRFACES						Josure	е го	recast			2028	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex										R	1 350 217,93	
2				Clapham Ventilation Shaft 8												
3	00-GA	A2	Y2021	General Surface Reclamation Dozing	Shaping, levelling of footprint areas		Yes	10.1.1	0,68	ha	R	62 669,86	R 42 615,50	R	42 615,50	1,36ha needs to be rehabilitated. Assume 50% of footprint
5				Transport	(500mm) Load and haul for 3km distance		Yes	9.6.4	3400,00	m³/km	R		R 159 426,00		159 426,00	250mm thick layer from local
6				Ripping	Ripping of areas to alleviate		Yes	9.5.1	1,36	ha	R		R 19 936,66		19 936,66	stockpiles 500 mm Deep ripping
7				Establish vegetation	compaction Establishment of vegetation		Yes	10.4.1	1,36	ha	R		R 21 295,76		21 295,76	Includes soil amelioration, cultivation
				Water Supply Pipelines -	(general)		162	10.4.1	1,36	Па	K	15 656,65	K 21 295,76	K	21 293,76	and seeding actions Surface rehabilitation completed in
8	00-GA	A3	Y2021	Reclamation of disturbed area												2025
9				Dozing	Shaping, levelling of footprint areas (500mm)		No	10.1.1	0,00	ha	R	62 669,86	R -	R	•	
10				Transport	Load and haul for 3km distance		No	9.6.4	0,00	m³/km	R	46,89	R -	R	-	
11				Ripping	Ripping of areas to alleviate compaction		No	9.5.1	0,00	ha	R	14 659,31	R -	R	-	
12				Establish vegetation	Establishment of vegetation (general)		No	10.4.1	0,00	ha	R	15 658,65	R -	R	-	
13	00-GA	A4	Y2021	Low Grade ROM Stockpile - Reclamation of disturbed area												General Surface Reclamation already included in the current liability.
14				Liner	Removal of single HDPE liner		Yes	6,4	108100,00	m²	R	10,24	R 1 106 944,00	R	1 106 944,00	Class 3 waste assume facility is lined with HDPE liner
19 20				Driekop Shaft Complex										R	44 719,47	
21				Driekop Ventilation Shaft 9										K	44 / 19,4/	
22	00-GA	A1	Y2021	General Surface Reclamation												0,25ha needs to be rehabilitated.
23				Dozing	Shaping, levelling of footprint areas (500mm)		Yes	10.1.1	0,13	ha	R	62 669,86	R 7 833,73	R	7 833,73	Assume 50% of footprint
24				Transport	Load and haul for 3km distance		Yes	9.6.4	625,00	m³/km	R	46,89	R 29 306,25	R	29 306,25	250mm thick layer from local stockpiles
25				Ripping	Ripping of areas to alleviate compaction		Yes	9.5.1	0,25	ha	R	14 659,31	R 3 664,83	R	3 664,83	500 mm Deep ripping
26				Establish vegetation	Establishment of vegetation (general)		Yes	10.4.1	0,25	ha	R	15 658,65	R 3 914,66	R	3 914,66	Includes soil amelioration, cultivation and seeding actions
27	00-GA	АЗ	Y2021	Water Supply Pipelines - Reclamation of disturbed area												Surface rehabilitation completed in 2025
28				Dozing	Shaping, levelling of footprint areas (500mm)		No	10.1.1	0,00	ha	R	62 669,86	R -	R	-	Surface rehabilitation completed in 2025
29				Transport	Load and haul for 3km distance		No	9.6.4	0,00	m³/km	R	46,89	R -	R	-	
30				Ripping	Ripping of areas to alleviate compaction		No	9.5.1	0,00	ha	R	14 659,31	R -	R	-	
31				Establish vegetation	Establishment of vegetation (general)		No	10.4.1	0,00	ha	R	15 658,65	R -	R	-	
32																
33				Tailings Complex	Not Applicable		Vaa	1.4	0.00	n-	R		В	R	-	
34					Not Applicable		Yes	1,1	0,00	na	K	-	R -	R	•	
				SUB-TOTAL 2 (PA	SUB-TOTAL 1 Preliminaries and General Contingency G's AND CONTINGENCIES)	6% 10%								R R R	1 394 937,40 83 696,24 139 493,74 223 189,98	
					GRAND-TOTAL									K	1 618 127,39	





Ventilation Shaft 8 & 9 - EMPr Amendment

				GENERAL ASPECTS						locura	. Eo	precast			2029	
5	,1	GENE	RAL SI	URFACES						Josure	<i>3</i> FU	necasi			2029	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex										R	1 350 217,93	
2	00.04	4.0	1/0004	Clapham Ventilation Shaft 8												4.00
3	00-GA	A2	Y2021	General Surface Reclamation	Shaping, levelling of footprint areas		V	40.4.4	0.00			00 000 00	10.045.50	_	40.045.50	1,36ha needs to be rehabilitated.
4				Dozing	(500mm)		Yes	10.1.1	0,68	ha	R	62 669,86	R 42 615,50	K	42 615,50	Assume 50% of footprint
5				Transport	Load and haul for 3km distance		Yes	9.6.4	3400,00	m³/km	R	46,89	R 159 426,00	R	159 426,00	250mm thick layer from local stockpiles
6				Ripping	Ripping of areas to alleviate compaction		Yes	9.5.1	1,36	ha	R	14 659,31	R 19 936,66	R	19 936,66	500 mm Deep ripping
7				Establish vegetation	Establishment of vegetation (general)		Yes	10.4.1	1,36	ha	R	15 658,65	R 21 295,76	R	21 295,76	Includes soil amelioration, cultivation and seeding actions
8	00-GA	А3	Y2021	Water Supply Pipelines - Reclamation of disturbed area												Surface rehabilitation completed in 2025
9				Dozing	Shaping, levelling of footprint areas (500mm)		No	10.1.1	0,00	ha	R	62 669,86	R -	R	-	
10				Transport	Load and haul for 3km distance		No	9.6.4	0,00	m³/km	R	46,89	R -	R	-	
11				Ripping	Ripping of areas to alleviate compaction		No	9.5.1	0,00	ha	R	14 659,31	R -	R	-	
12				Establish vegetation	Establishment of vegetation (general)		No	10.4.1	0,00	ha	R	15 658,65	R -	R		
13	00-GA	A4	Y2021	Low Grade ROM Stockpile - Reclamation of disturbed area												General Surface Reclamation already included in the current liability.
14				Liner	Removal of single HDPE liner		Yes	6,4	108100,00	m²	R	10,24	R 1 106 944,00	R	1 106 944,00	Class 3 waste assume facility is lined with HDPE liner
19				Delates Ober Committee											11.710.47	
20 21				Driekop Shaft Complex Driekop Ventilation Shaft 9										R	44 719,47	
22	00-GA	A1	Y2021	General Surface Reclamation												0,25ha needs to be rehabilitated.
23				Dozing	Shaping, levelling of footprint areas (500mm)		Yes	10.1.1	0,13	ha	R	62 669,86	R 7 833,73	R	7 833,73	Assume 50% of footprint
24				Transport	Load and haul for 3km distance		Yes	9.6.4	625,00	m³/km	R	46,89	R 29 306,25	R	29 306,25	250mm thick layer from local stockpiles
25				Ripping	Ripping of areas to alleviate compaction		Yes	9.5.1	0,25	ha	R	14 659,31	R 3 664,83	R	3 664,83	500 mm Deep ripping
26				Establish vegetation	Establishment of vegetation (general)		Yes	10.4.1	0,25	ha	R	15 658,65	R 3 914,66	R	3 914,66	Includes soil amelioration, cultivation and seeding actions
27	00-GA	АЗ	Y2021	Water Supply Pipelines - Reclamation of disturbed area												Surface rehabilitation completed in 2025
28				Dozing	Shaping, levelling of footprint areas (500mm)		No	10.1.1	0,00	ha	R	62 669,86	R -	R	-	Surface rehabilitation completed in 2025
29				Transport	Load and haul for 3km distance		No	9.6.4	0,00	m³/km	R	46,89	R -	R	-	
30				Ripping	Ripping of areas to alleviate compaction		No	9.5.1	0,00	ha	R	14 659,31	R -	R	-	
31				Establish vegetation	Establishment of vegetation (general)		No	10.4.1	0,00	ha	R	15 658,65	R -	R	-	
32 33				Tailings Complex										R		
34				Tallings Complex	Not Applicable		Yes	1,1	0,00	na	R		R -	R	•	
				SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	6% 10%								R R R	1 394 937,40 83 696,24 139 493,74 223 189,98	
					GRAND-TOTAL									R	1 618 127,39	





Ventilation Shaft 8 & 9 - EMPr Amendment

				GENERAL ASPECTS						Nasum		precast			2020	
5	,1	GENE	RAL SI	JRFACES						Josure	е го	recast			2030	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex										R	1 350 217,93	
2				Clapham Ventilation Shaft 8												
3	00-GA	A2	Y2021	General Surface Reclamation	Shaping, levelling of footprint areas		,				_		D 40.045.50		40.045.50	1,36ha needs to be rehabilitated.
4				Dozing	(500mm)		Yes	10.1.1	0,68	ha	R	62 669,86	R 42 615,50	R	42 615,50	Assume 50% of footprint
5				Transport	Load and haul for 3km distance		Yes	9.6.4	3400,00	m³/km	R	46,89	R 159 426,00	R	159 426,00	250mm thick layer from local stockpiles
6				Ripping	Ripping of areas to alleviate compaction		Yes	9.5.1	1,36	ha	R	14 659,31	R 19 936,66	R	19 936,66	500 mm Deep ripping
7				Establish vegetation	Establishment of vegetation (general)		Yes	10.4.1	1,36	ha	R	15 658,65	R 21 295,76	R	21 295,76	Includes soil amelioration, cultivation and seeding actions
8	00-GA	А3	Y2021	Water Supply Pipelines - Reclamation of disturbed area												Surface rehabilitation completed in 2025
9				Dozing	Shaping, levelling of footprint areas (500mm)		No	10.1.1	0,00	ha	R	62 669,86	R -	R	-	
10				Transport	Load and haul for 3km distance		No	9.6.4	0,00	m³/km	R	46,89	R -	R	-	
11				Ripping	Ripping of areas to alleviate compaction		No	9.5.1	0,00	ha	R	14 659,31	R -	R	-	
12				Establish vegetation	Establishment of vegetation (general)		No	10.4.1	0,00	ha	R	15 658,65	R -	R		
13	00-GA	A4	Y2021	Low Grade ROM Stockpile - Reclamation of disturbed area												General Surface Reclamation already included in the current liability.
14				Liner	Removal of single HDPE liner		Yes	6,4	108100,00	m²	R	10,24	R 1 106 944,00	R	1 106 944,00	Class 3 waste assume facility is lined with HDPE liner
19				Drieken Sheft Complex										-	44.740.47	
20 21				Driekop Shaft Complex Driekop Ventilation Shaft 9										R	44 719,47	
22	00-GA	A1	Y2021	General Surface Reclamation												0,25ha needs to be rehabilitated.
23				Dozing	Shaping, levelling of footprint areas (500mm)		Yes	10.1.1	0,13	ha	R	62 669,86	R 7 833,73	R	7 833,73	Assume 50% of footprint
24				Transport	Load and haul for 3km distance		Yes	9.6.4	625,00	m³/km	R	46,89	R 29 306,25	R	29 306,25	250mm thick layer from local stockpiles
25				Ripping	Ripping of areas to alleviate compaction		Yes	9.5.1	0,25	ha	R	14 659,31	R 3 664,83	R	3 664,83	500 mm Deep ripping
26				Establish vegetation	Establishment of vegetation (general)		Yes	10.4.1	0,25	ha	R	15 658,65	R 3 914,66	R	3 914,66	Includes soil amelioration, cultivation and seeding actions
27	00-GA	А3	Y2021	Water Supply Pipelines - Reclamation of disturbed area												Surface rehabilitation completed in 2025
28				Dozing	Shaping, levelling of footprint areas (500mm)		No	10.1.1	0,00	ha	R	62 669,86	R -	R	-	Surface rehabilitation completed in 2025
29				Transport	Load and haul for 3km distance		No	9.6.4	0,00	m³/km	R	46,89	R -	R	-	
30				Ripping	Ripping of areas to alleviate		No	9.5.1	0,00	ha	R	14 659,31	R -	R		
31				Establish vegetation	compaction Establishment of vegetation		No	10.4.1	0,00		R	15 658,65		R	_	
32					(general)		140	10.4.1	0,00	ha	1	13 030,03	-			
33				Tailings Complex										R		
34					Not Applicable		Yes	1,1	0,00	na	R	-	R -	R	-	
				SUB-TOTAL 2 (Pa	SUB-TOTAL 1 Preliminaries and General Contingency G's AND CONTINGENCIES) GRAND-TOTAL	6% 10%								R R R R	1 394 937,40 83 696,24 139 493,74 223 189,98 1 618 127,39	





Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

				GENERAL ASPECTS					D	omoti	ıre Clo	CURO		2021		
5	,2	POST	CLOS	JRE MONITORING AND MA	INTENANCE					ematt	ire Cio	sure		2021		
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit	Ur	nit Rate	Unit Total	LIABLE VA	LUE	Notes
1		Ŭ		Clapham Shaft Complex			_							R		
2				Clapham Ventilation Shaft 8												
3			Y2021	General Surface Monitoring	Care and maintenance		Yes	12.2.1	0,00	ha	R	8 067,74	R -	R	-	5 years care and maintenance.
5				Driekop Shaft Complex										R	-	
6				Driekop Ventilation Shaft 9												
7 8			Y2021	General Surface Monitoring	Care and maintenance		Yes	12.2.1	0,00	ha	R	8 067,74	R -	R	-	5 years care and maintenance.
9				Tailings Complex										R		
10					Not Applicable		Yes	1,1	0,00	na	R	-	R -	R	-	
				SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	10%								R R R R		

Financial Provision





Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

				GENERAL ASPECTS						locur	e Forecast		2022	
5	,2	POST	CLOS	URE MONITORING AND MA	INTENANCE					iosure	e i orecast		2022	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit	Unit Rate	Unit Total	LIABLE VALUE	Notes
1				Clapham Shaft Complex									R 10 972,13	
2				Clapham Ventilation Shaft 8										
3 4			Y2021	General Surface Monitoring	Care and maintenance		Yes	12.2.1	1,36	ha	R 8 067,74	R 10 972,13	R 10 972,13	5 years care and maintenance.
5				Driekop Shaft Complex									R 2 016,94	
6				Driekop Ventilation Shaft 9										
7 8			Y2021	General Surface Monitoring	Care and maintenance		Yes	12.2.1	0,25	ha	R 8 067,74	R 2 016,94	R 2 016,94	5 years care and maintenance.
9				Tailings Complex									R -	
10					Not Applicable		Yes	1,1	0,00	na	R -	R -	R -	
		SUB-TOTAL 2 (P&G's AND CONTINGENC GRAND-TO											R 12 989,06 R - R 1 298,91 R 1 298,91 R 14 287,97	

Financial Provision





Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

				GENERAL ASPECTS						locur	e Forecast		2023	
5	,2	POST	CLOS	JRE MONITORING AND MAI	NTENANCE					Josuit	Frorecast		2023	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit	Unit Rate	Unit Total	LIABLE VALUE	Notes
1				Clapham Shaft Complex									R 10 972	13
2				Clapham Ventilation Shaft 8										
3			Y2021	General Surface Monitoring	Care and maintenance		Yes	12.2.1	1,36	ha	R 8 067,74	R 10 972,13	R 10 972	13 5 years care and maintenance.
4														
5				Driekop Shaft Complex									R 2 016	94
6				Driekop Ventilation Shaft 9										
7			Y2021	General Surface Monitoring	Care and maintenance		Yes	12.2.1	0,25	ha	R 8 067,74	R 2 016,94	R 2 016	94 5 years care and maintenance.
8														
9				Tailings Complex									R	-
10		Not Applicable						1,1	0,00	na	R -	R -	R	-
				SUB-TOTAL 2 (P&	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	10%							R 12 989, R 1 298 R 1 298 R 1 298, R 14 287,	91 91

Financial Provision





Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

				GENERAL ASPECTS						losur	e Forecast			2024	
5	,2	POST	CLOS	URE MONITORING AND MA	INTENANCE					iosure	e i Orecast			2024	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit	Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex									R	10 972,13	
2				Clapham Ventilation Shaft 8											
3			Y2021	General Surface Monitoring	Care and maintenance		Yes	12.2.1	1,36	ha	R 8 067,7	R 10 972,13	R	10 972,13	5 years care and maintenance.
5				Driekop Shaft Complex									R	2 016,94	
6				Driekop Ventilation Shaft 9											
7 8			Y2021	General Surface Monitoring	Care and maintenance		Yes	12.2.1	0,25	ha	R 8 067,7	R 2 016,94	R	2 016,94	5 years care and maintenance.
9				Tailings Complex									R		
10					Not Applicable		Yes	1,1	0,00	na	R -	R -	R	-	
				SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	10%							R R R R	1 298,91 1 298,91	

Financial Provision





Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

				GENERAL ASPECTS						losur	e Forecast		2025	
5	,2	POST	CLOS	JRE MONITORING AND MAI	NTENANCE					nosur	rorccast		2023	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit	Unit Rate	Unit Total	LIABLE VALUE	Notes
1				Clapham Shaft Complex									R 21 460,19	
2				Clapham Ventilation Shaft 8										
3			Y2021	General Surface Monitoring	Care and maintenance		Yes	12.2.1	2,66	ha	R 8 067,74	R 21 460,19	R 21 460,19	5 years care and maintenance. Reclamation of disturbed area of Water Supply Pipelines included.
5				Driekop Shaft Complex									R 6 252,50	
6				Driekop Ventilation Shaft 9										
7 8			Y2021	General Surface Monitoring	Care and maintenance		Yes	12.2.1	0,78	ha	R 8 067,74	R 6 252,50	R 6 252,50	5 years care and maintenance. Reclamation of disturbed area of Water Supply Pipelines included.
9				Tailings Complex									R -	
10		Not Applicable						1,1	0,00	na	R -	R -	R -	
				SUB-TOTAL 2 (P&	SUB-TOTAL 1 Preliminaries and General Contingency G's AND CONTINGENCIES) GRAND-TOTAL	10%							R 27 712,69 R - R 2 771,27 R 2 771,27 R 30 483,96	

Financial Provision





Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

				GENERAL ASPECTS						locur	o Eo	precast			2026	
	,2	POST	CLOS	JRE MONITORING AND MA	INTENANCE					Josui	его	recasi			2020	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex										R	21 460,19	
2				Clapham Ventilation Shaft 8												
3			Y2021	General Surface Monitoring	Care and maintenance		Yes	12.2.1	2,66	ha	R	8 067,74	R 21 460,19	R	21 460,19	5 years care and maintenance.
5				Driekop Shaft Complex										R	6 292,84	
6				Driekop Ventilation Shaft 9												
7			Y2021	General Surface Monitoring	Care and maintenance		Yes	12.2.1	0,78	ha	R	8 067,74	R 6 292,84	R	6 292,84	5 years care and maintenance.
9				Tailings Complex										R		
10				5	Not Applicable		Yes	1,1	0,00	na	R	-	R -	R	-	
				SUB-TOTAL 2 (Pa	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	10%								R R R R	27 753,03 	

Financial Provision





Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

				GENERAL ASPECTS						locur	o Ec	orecast			2027	
5	,2	POST	CLOS	JRE MONITORING AND MA	INTENANCE					Josur	erc	orecast			2021	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex										R	21 460,19	
2				Clapham Ventilation Shaft 8												
3			Y2021	General Surface Monitoring	Care and maintenance		Yes	12.2.1	2,66	ha	R	8 067,74	R 21 460,19	R	21 460,19	5 years care and maintenance.
4																
5				Driekop Shaft Complex										R	6 292,84	
6				Driekop Ventilation Shaft 9												
7			Y2021	General Surface Monitoring	Care and maintenance		Yes	12.2.1	0,78	ha	R	8 067,74	R 6 292,84	R	6 292,84	5 years care and maintenance.
8																
9				Tailings Complex										R		
10					Not Applicable		Yes	1,1	0,00	na	R	-	R -	R	•	
				SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	10%								R R R R	27 753,03 - 2 775,30 2 775,30 30 528,33	

Financial Provision





Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

				GENERAL ASPECTS						locur	e Forecast				2028	
	,2	POST	CLOS	JRE MONITORING AND MA	INTENANCE					Josui	e Forecast				2020	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit	Unit Rate		Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex										R	21 460,19	
2				Clapham Ventilation Shaft 8												
3			Y2021	General Surface Monitoring	Care and maintenance		Yes	12.2.1	2,66	ha	R 8 067,	74 R	21 460,19	R	21 460,19	5 years care and maintenance.
5				Driekop Shaft Complex										R	6 292,84	
6				Driekop Ventilation Shaft 9												
7 8			Y2021	General Surface Monitoring	Care and maintenance		Yes	12.2.1	0,78	ha	R 8 067,	74 R	6 292,84	R	6 292,84	5 years care and maintenance.
9				Tailings Complex										R		
10					Not Applicable		Yes	1,1	0,00	na	R	- R	-	R		
				SUB-TOTAL 2 (P	SUB-TOTAL 1 Preliminaries and General Contingency &G's AND CONTINGENCIES) GRAND-TOTAL	10%								R R R R	27 753,03 	

Financial Provision





Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

GENERAL ASPECTS							Closure Forecast							2029		
5	5,2 POST CLOSURE MONITORING AND MAINTENANCE						Giosure Porecast								2029	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit		Unit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex										R	21 460,19	
2				Clapham Ventilation Shaft 8												
3			Y2021	General Surface Monitoring	Care and maintenance		Yes	12.2.1	2,66	ha	R	8 067,74	R 21 460,19	R	21 460,19	5 years care and maintenance.
4																
5				Driekop Shaft Complex										R	6 292,84	
6				Driekop Ventilation Shaft 9												
7			Y2021	General Surface Monitoring	Care and maintenance		Yes	12.2.1	0,78	ha	R	8 067,74	R 6 292,84	R	6 292,84	5 years care and maintenance.
8																
9				Tailings Complex										R		
10					Not Applicable		Yes	1,1	0,00	na	R		R -	R	-	
	SUB-TOTAL 1 Preliminaries and General Contingency SUB-TOTAL 2 (P&G's AND CONTINGENCIES) GRAND-TOTAL													R R R R	27 753,03 - 2 775,30 2 775,30 30 528,33	

Financial Provision





Marula Platinum

Ventilation Shaft 8 & 9 - EMPr Amendment

GENERAL ASPECTS							Closure Forecast							2030		
	5,2 POST CLOSURE MONITORING AND MAINTENANCE						Giosure Forecast								2030	
Line No	Reference Map	GEO Reference	Year Captured	COST COMPONENT	Description		LIABLE	Rate Code	QUANTITY	Unit	L	Jnit Rate	Unit Total		LIABLE VALUE	Notes
1				Clapham Shaft Complex										R	10 972,13	
2				Clapham Ventilation Shaft 8												
3			Y2021	General Surface Monitoring	Care and maintenance		Yes	12.2.1	1,36	ha	R	8 067,74	R 10 972,13	R	10 972,13	5 years care and maintenance.
5				Driekop Shaft Complex										R	2 016,94	
6				Driekop Ventilation Shaft 9											2 010,34	
7			Y2021	General Surface Monitoring	Care and maintenance		Yes	12.2.1	0,25	ha	R	8 067,74	R 2 016,94	R	2 016,94	5 years care and maintenance.
9				Tailings Complex										R		
10				. willings complex	Not Applicable		Yes	1,1	0,00	na	R	-	R -	R		
	SUB-TOTAL 1 Preliminaries and General Contingency SUB-TOTAL 2 (P&G's AND CONTINGENCIES) GRAND-TOTAL													R R R R	12 989,06 - 1 298,91 1 298,91 14 287,97	

Financial Provision



