



**mineral resources**

Department:  
Mineral Resources  
REPUBLIC OF SOUTH AFRICA

**NAME OF APPLICANT: SUPERMIX MINING (PTY) LTD**

## **MINING WORK PROGRAMME**

**SUBMITTED FOR A MINING RIGHT  
APPLICATION**

**AS REQUIRED IN TERMS OF SECTION 23 (a), (b) AND (c) READ  
TOGETHER WITH REGULATION 11 (1) (g) OF THE MINERAL AND  
PERTROLIUM RESOURCES DEVELOPMENT ACT (ACT 28 OF 2002)**

## **STANDARD DIRECTIVE**

All applicant for mining rights are herewith, in terms of the provisions of Section 23 (a), (b), (c) and in terms of Regulation 11 (1) (g) of the Mineral and Petroleum Resources Development Act, directed to submit a Mining Work Programme, strictly under the following headings and in the following format together with the application for a mining right.

1. REGULATION 11(1)(a): FULL PARTICULARS OF THE APPLICANT

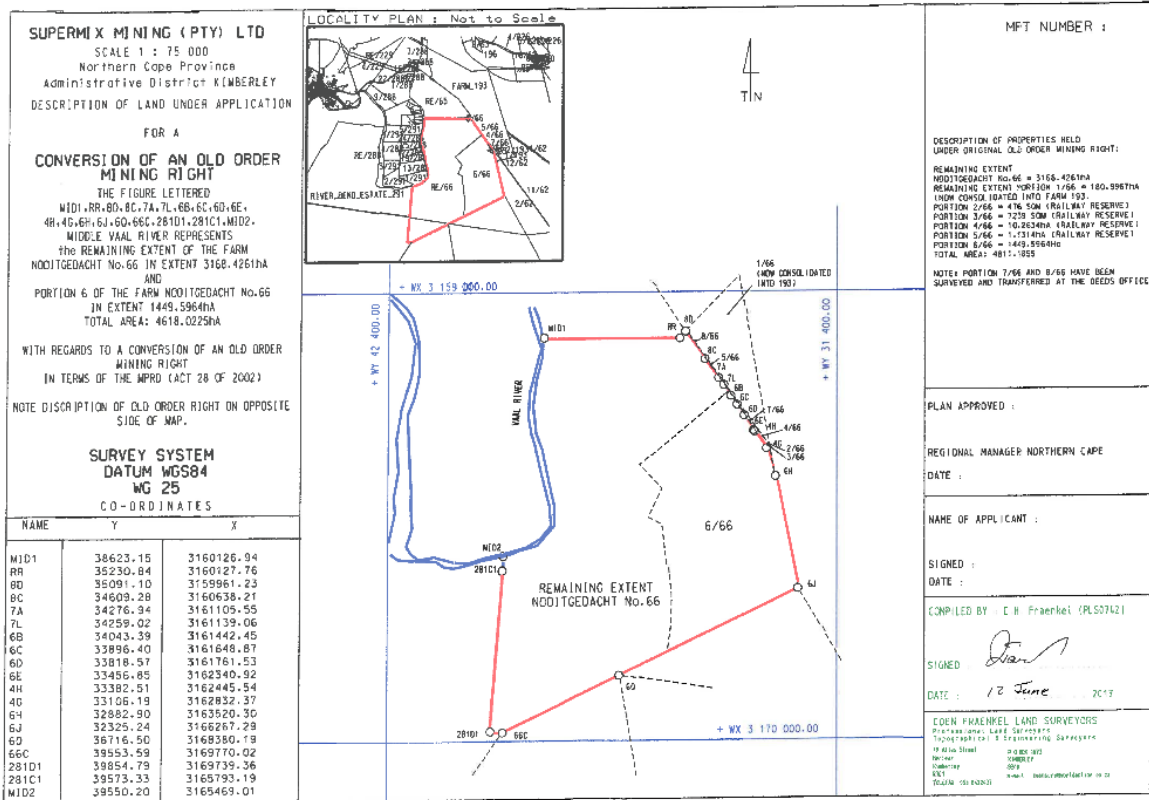
ITEM	COMPANY CONTACT DETAILS
Name	SUPERMIX MINING (PTY) LTD
Tel no	053 807 2300
Fax no:	053 807 2307
Cellular no	
E-mail address	
Postal address	PO Box 470, Kimberley, 8300

ITEM	CONSULTANT CONTACT DETAILS (If applicable)
Name	LW Consultants
Tel no	053 831 7634
Fax no:	
Cellular no	072 141 4164
E-mail address	lindie@liwico.co.za
Postal address	PO Box 3226 Kimberley 8301

**CONSULTANT DISCLAIMER:** LW Consultants were only contracted to conduct the Mine work program and write the Revised Mine work program for this specific project. All recommendations and assumptions are based on the knowledge of the Environmental Assessment Practitioner and current Approved Environmental Impact Assessment / Mine work program and their associated reports regarding the environment and project.

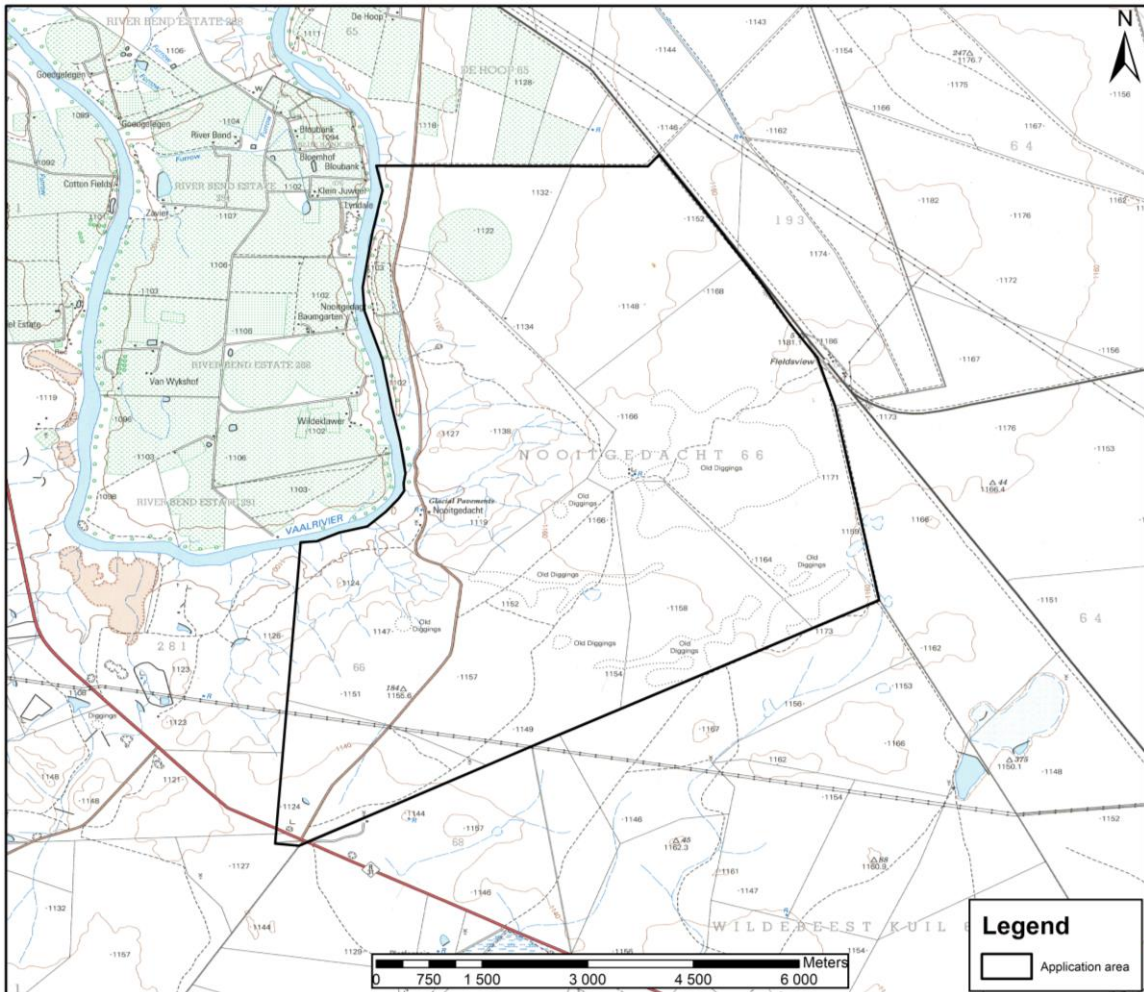
**REGULATION 11(1)(b): PLAN SHOWING THE LAND AND MINING AREA TO WHICH THE APPLICATION RELATES (the plan required in terms of Regulation 2(2))**

- Survey



- Topographic

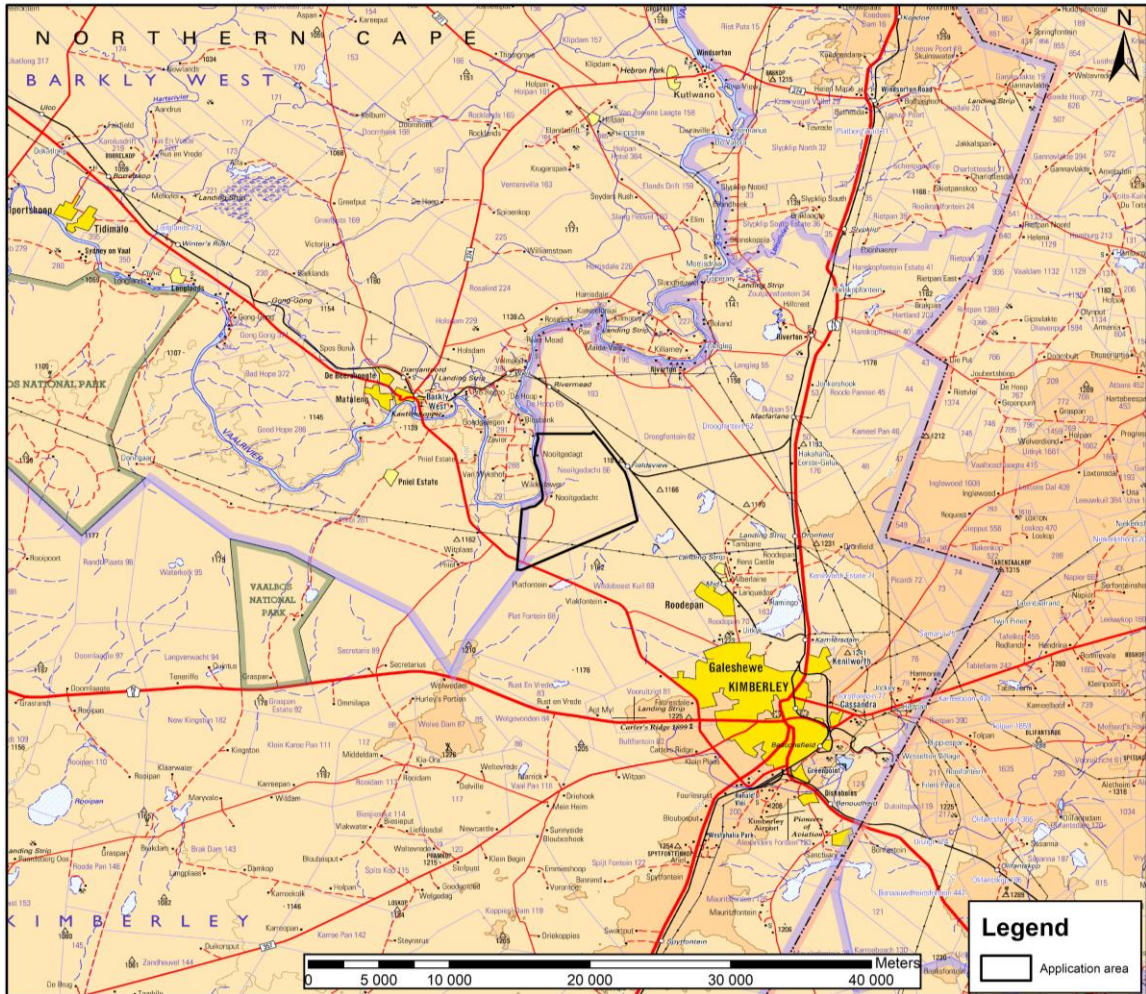
The topography is relatively flat landscape dipping slightly towards the Vaal River on the north-western side and also have some uneven surfaces on the western side.





- Locality

The application area is situated 9.6km south east of Barkly West and 17.5km north west from Kimberley in the Northern-Cape province.



## 2. REGULATION 11(1)(c): THE REGISTERED DESCRIPTION OF THE LAND TO WHICH THE APPLICATION RELATES

- Farm number: 66  
Farm name: Nooitgedacht  
Portion no: 1  
Magisterial district: Kimberley  
Province: Northern Cape  
Title Deed no:  
Owner:
  
- Farm number: 66  
Farm name: Nooitgedacht  
Portion no: 2  
Magisterial district: Kimberley  
Province: Northern Cape  
Title Deed no:  
Owner:
  
- Farm number: 66  
Farm name: Nooitgedacht  
Portion no: 3  
Magisterial district: Kimberley  
Province: Northern Cape  
Title Deed no:  
Owner:
  
- Farm number: 66  
Farm name: Nooitgedacht  
Portion no: 4  
Magisterial district: Kimberley  
Province: Northern Cape  
Title Deed no:  
Owner:

- Farm number: 66  
Farm name: Nooitgedacht  
Portion no: 5  
Magisterial district: Kimberley  
Province: Northern Cape  
Title Deed no:  
Owner:
- Farm number: 66  
Farm name: Nooitgedacht  
Portion no: 6  
Magisterial district: Kimberley  
Province: Northern Cape  
Title Deed no:  
Owner:
- Farm number: 66  
Farm name: Nooitgedacht  
Portion no: 0  
Magisterial district: Kimberley  
Province: Northern Cape  
Title Deed no:  
Owner:



**3. REGULATION 11(1)(d): THE DETAILS OF THE IDENTIFIED MINERAL DEPOSIT.**

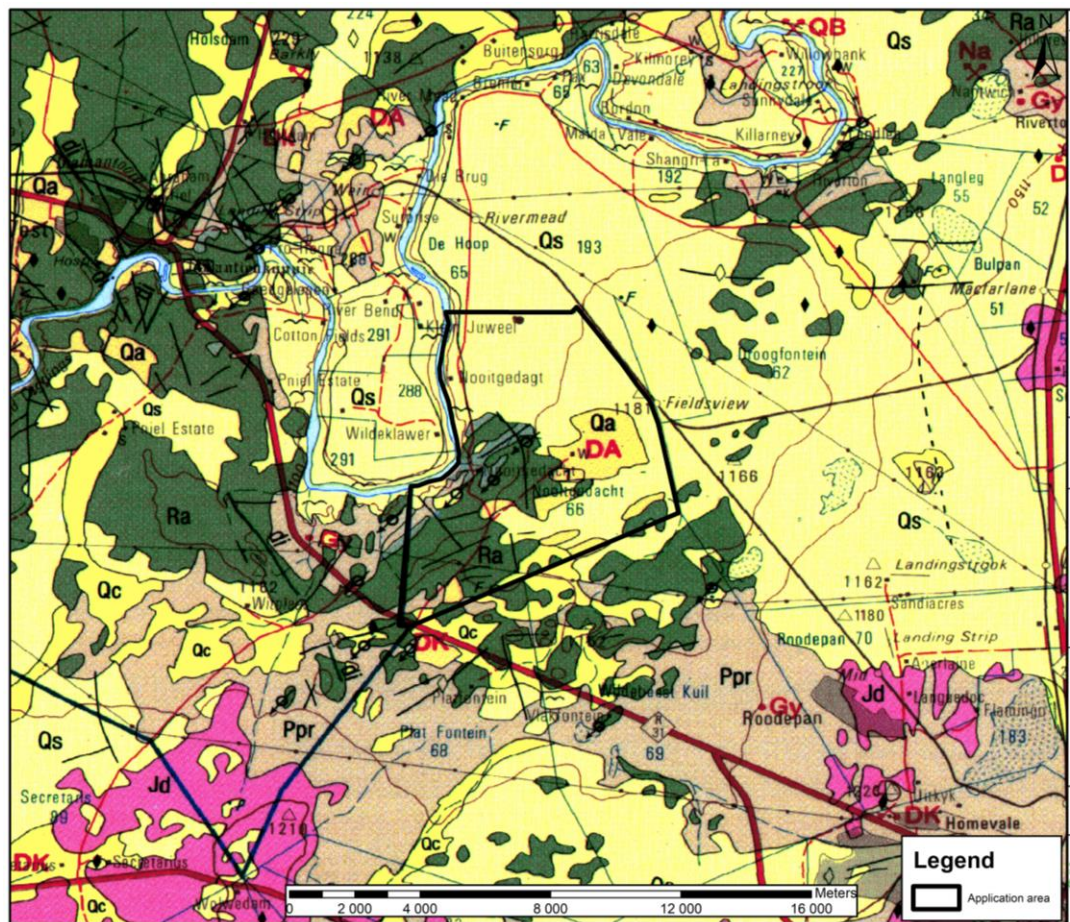
**4.1 Resource particulars**

<b>ITEM</b>	<b>DETAIL</b>
<b>Type of mineral</b>	Diamonds alluvial (DA) Diamonds kimberlite (DK) Diamonds in general (D) Sand Alluvial (QA) Alluvial boulders, cobbles & pebbles
<b>Locality</b> (Direction and distance from nearest town)	The application area is situated 9.6km south east of Barkly West and 17.5km north west from Kimberley in the Northern-Cape province.
<b>Extent of the area required for mining</b>	4 618.0225 Ha (Four thousand six hundred and eighteen, zero two two five hectares)
<b>Extent of the area required for infrastructure, roads, servitudes etc</b>	1.058 Ha (One comma zero five eight hectares).
<b>Depth of the mineral below surface</b>	0m to 4m but seldom more than 0.5m
<b>Geological information</b>	The mineral being mined is alluvial diamonds, recovered from Rooikoppie Gravels some 80m above the present day elevation of the Vaal River. The overburden consists of Tertiary Sand Deposits, mainly of Kalahari origin, which vary in thickness from a few centimeters to approximately 4 meters in depth.

#### 4.2 Detail of person who compiled the resource statement

ITEM	DETAIL
Name	John L C Kilham
Qualification/s	M.Sc. Pr.Sci.Nat.
Profession	Geology
Experience	
Professional Body (If registered)	
Registration number (If applicable)	

#### 4.3 Locality specific geological map (in colour)



#### 4.4 Exploration results (supporting geological reports to be listed and appended)

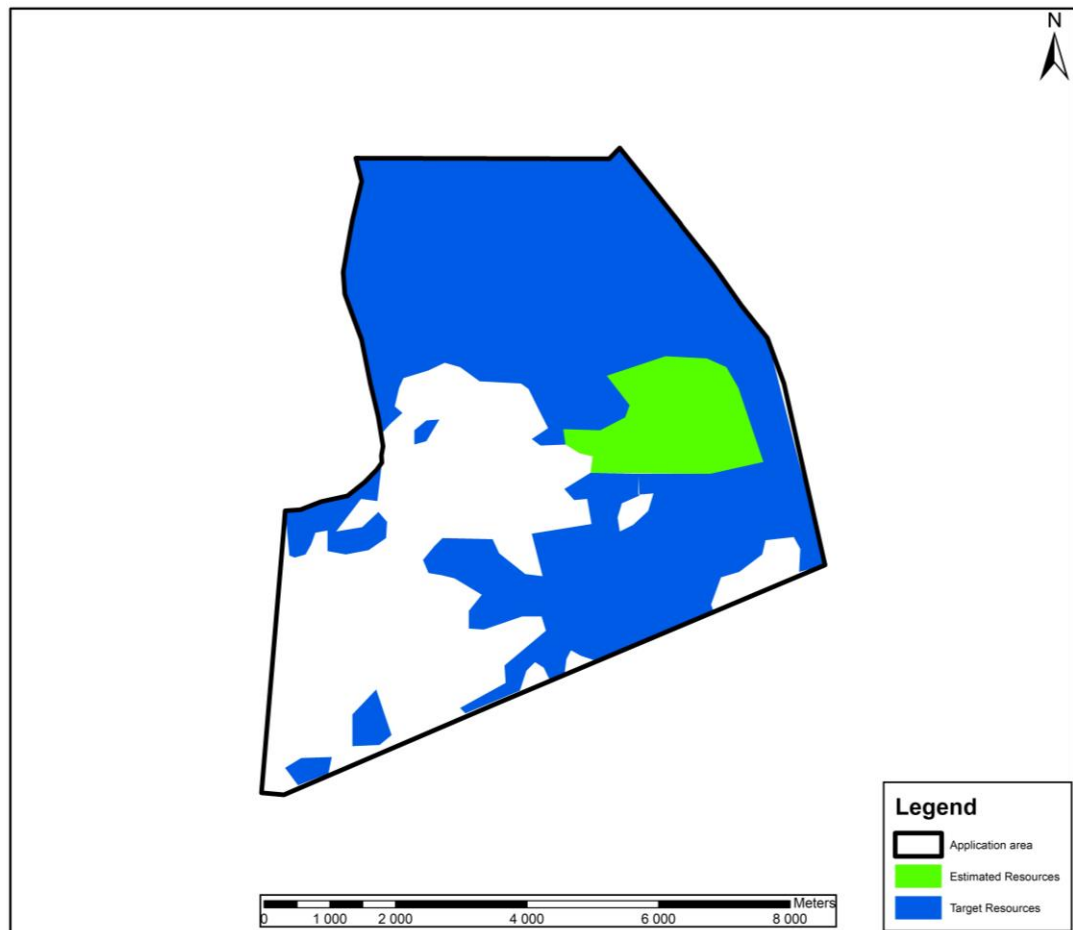
The primary mineral being mined is diamonds. The remaining material/commodities removed are the alluvial boulders, cobbles, pebbles and sand

During the diamond extraction process at the treatment plant, the boulders, cobbles, bebbles and the sand fractions are successfully removed as gangue materials not required in the final diamond recovery process. These materials are then removed from the plant stockpiles and put aside for further treatment as industrial products used in various other Supermix ventures i.e. the construction industry.

The estimated diamond bearing gravel resource is 1.8 million tons.

4.5 **Information required in terms of Regulation 8** (in cases where the application was preceded by a prospecting right).

4.6 **Mineral resource map**



#### 4.7 **Resource statement**

The following minerals will be mined on this property under this mining right.

- Diamonds
- Alluvial boulders, cobbles & pebbles
- Alluvial Sand

The primary mineral being mined is diamonds. The estimated diamond bearing gravel resource is 1.8 million tons with an average of 0.5 – 1 carats per 100 tons. This calculates to about 9 000 to 18 000 carats of diamonds.

After the diamonds have been recovered the remaining materials, i.e. alluvial boulders, cobbles, pebbles and sand will further be loaded, hauled and treated by Supermix Mining (Pty) Ltd.

### 5. **REGULATION 11(1)(e): THE DETAILS OF THE MARKET FOR, THE MARKET'S REQUIREMENTS AND PRICING IN RESPECT OF THE MINERAL CONCERNED**

#### 5.1 **A list of products and their proportionate quantities**

Diamond ore < 100%  
Boulders less than 250 mm < 30 %  
Cobbles and pebbles < 30 %  
Sand > 40 %

#### 5.2 **Market for each specific product in terms of Local, Regional or International**

There are two market types for diamonds namely jewellery and industrial.

In the industrial market the demand is for small size non gem quality diamonds with the lowest price. This is a relatively simple market driven by industrial growth.

The jewellery market exclusively requires gem quality diamonds. This market is more complex than the industrial market as jewellery is a luxury item. The jewellery market is more prone to instability in times of economic instability, such as the current economic recession that is being experienced globally.

The jewellery market, however, is the main source of income for most diamond mines, as is the case for the Nooitgedacht Mine.

The price of a diamond is determined by a combination of four variables, size, colour, clarity and cut.

Diamonds found by Supermix Mining (Pty) Ltd at Nooitgedacht 66 will be sold on open tender on the Kimberley or Johannesburg Diamond Exchange, to local and international buyers. There is a proposed project whereby larger stones will be cut and polished by Supermix Mining (PTY) Ltd.

The boulders, cobbles, pebbles and sand will be treated, prepared and sold locally to the various construction companies.

### **5.3 Summary of product consumers**

There are two market types for diamonds namely jewellery and industrial.

In the industrial market, the diamonds are used by the secondary sector for producing industrial cutting equipment.

In the jewellery market diamonds are cut to shape and used as gem stones in various jewelries.

The remaining materials i.e. boulders, cobbles, pebbles and sand are of major importance and used directly as building materials in roads, houses, dams and any other concrete structures.

### **5.4 Summary of customer specifications and details of any proposed beneficiation of the products**

The jewellery market exclusively requires gem quality diamonds. This market is more complex than the industrial market as jewellery is a luxury item. The jewellery market is more prone to instability in times of economic instability, such as the current economic recession that is being experienced globally. For this reason, the diamonds extracted will be sorted according to the market providing the best possible price.

The sand needs to be between 1mm and 4mm in grain size. For this reason, the sand will be screened using a wet screening plant to ensure the removal of the fine dust material.

The remaining materials will be crushed and screened to form the other proportionate quantities of which it is proposed that crusher dust be

between 4mm and 12mm in size and rock be between 12mm and 19mm in size.

**5.5 Summary of infrastructure requirements such as roads, rail, electricity and water**

Stockpiles:

Waste dump

Settling dam

Roads

Berms

Office site

Plant site

Ablution facility

Vehicle storage

Chemical storage

Diesel storage

Domestic waste facility

Access control gates

Fences

Power lines

Water reservoir.

Water pipe lines.

**5.6 Summary of other information applied that may influence price, e.g. exchange rate, duties, tariff barriers etc.**

ZAR to USD exchange rates: The ZAR/USD exchange rate is a very volatile market and primary diamond prices are based in USD, making the USD/ZAR have a direct impact on the current diamond pricing.

Standard supply and demand variations.

**5.7 The price to be used in the cash flow forecast.**

Diamonds: 1000 – 1500 USD per carat at current exchange rate of R13.32 per USD the price to be used in the current cash flow forecast will be the minimum of R13320 per carat of diamonds sold.

Sand (1mm to 4mm) at R180 per m<sup>3</sup>

Crusher dust (4mm to 12mm) at R220 per m<sup>3</sup>

Rock (12mm to 20mm) R200 per m<sup>3</sup>

**5.8 Confirmation that a specialist market analysis is attached as an appendix which explains the assumptions made and how the price was determined.**

A specialist market analysis has not been compiled and is not attached at this stage. A specialist will be appointed as soon as possible to compile such a report and will be submitted to DMR for approval.

**6. REGULATION 11(1)(f): THE DETAILS WITH REGARD TO THE APPLICABLE TIMEFRAMES AND SCHEDULING OF THE VARIOUS IMPLEMENTATION PHASES AND A TECHNICALLY JUSTIFIED ESTIMATE OF THE PERIOD REQUIRED**

**6.1 Timeframes and scheduling of implantation Phases**

**6.1.1 Explanation of time taken to develop the mine and commence production.**

The mine is already in production on a small scale. The mine can be back in full production in a period of six (12) months, providing enough time to establish a full Health and Safety environment for all employees and provide enough time to appoint and train new employees to help the mine gain full production.

**6.1.2 Explanation of the production build up period once production commences.**

Month 1 - 3: Mine will continue with current production and advertise in the local community as well as in the nearest towns to find the staff needed for the work buildup.

Month 4 - 6: All received Curriculum Vitae's will be scanned through and applicants will be interviewed on their expertise and expectancies.

Month 7 - 12: The mine will bring in the necessary equipment to increase production for full scale mining and employ the required personnel as needed.

**6.1.3 Explanation of production decline period (as grades deteriorate).**

When the diamond grades deteriorate the mine will still be able to run at full production providing that the mine is also producing and selling the sand, cobbles, peddles and builders to separate construction companies ensuring a stable flow and production rate for the mine.



If it is necessary for the mine to reduce production for lower demands and grades, the mine will slow down production to such an extent that it will still be able to provide and care for appointed employees until the mine can increase to full production again.

**6.1.4 Production forecast for each year over the full period applied for based on the above explanations. (Not Life of Mine calculation).**

Mineral	Year 1	Year 2	Year 3	Year 4	Year 5
Total ore (tonnes)	143 000	286 000	286 000	286 000	286 000
Diamonds (ct)	1430	2860	2860	2860	2860
Sand (tonnes)	57200	114400	114400	114400	114400
Crusher dust (tonnes)	42900	85800	85800	85800	85800
Rock (tonnes)	42900	85800	85800	85800	85800
	Year 6	Year 7	Year 8	Year 9	Year 10
Total ore (tonnes)	286 000	286 000	286 000	286 000	286 000
Diamonds (ct)	2860	2860	2860	2860	2860
Sand (tonnes)	114400	114400	114400	114400	114400
Crusher dust (tonnes)	85800	85800	85800	85800	85800
Rock (tonnes)	85800	85800	85800	85800	85800

**6.2 Technically justified estimate of the period required**

(Description of the rate of production, estimated payable reserve ratio, efficiency factors and extraction rates, relative to available resources to justify the period applied for).

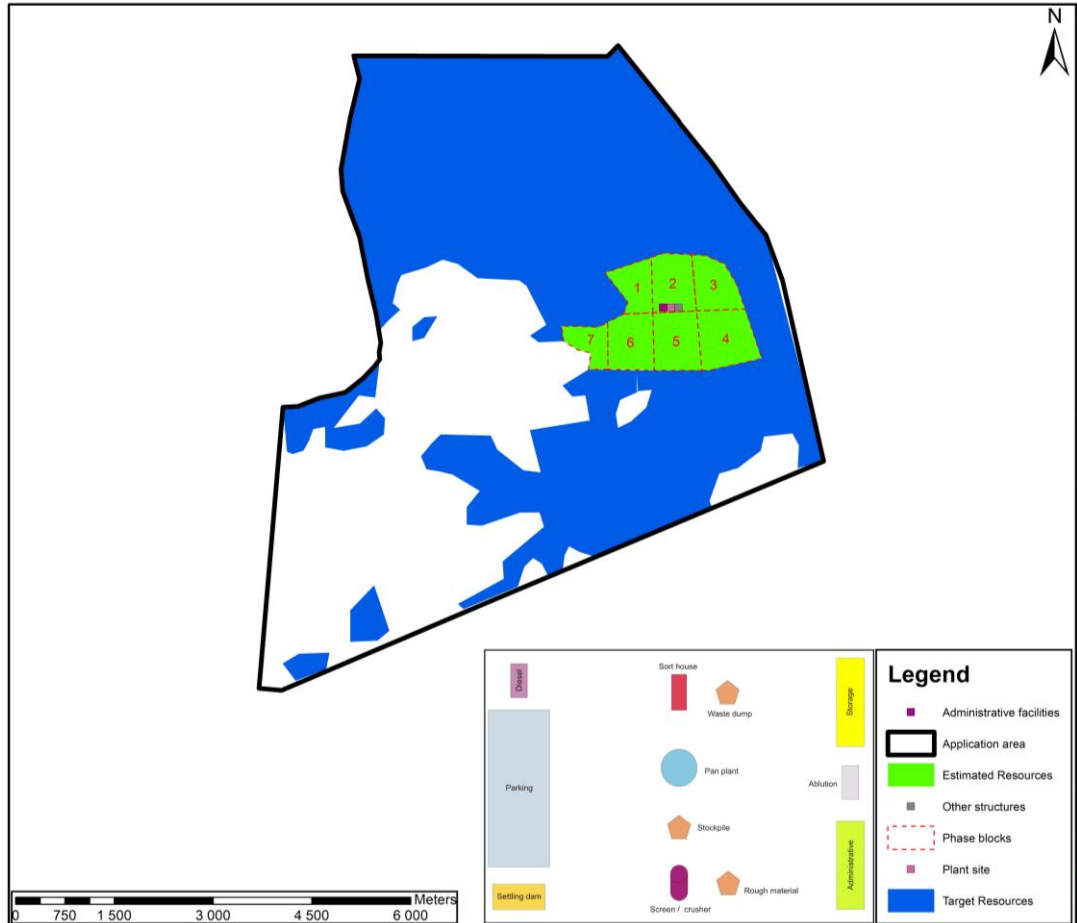
The current estimated diamond bearing gravel resource is 1.8 million tons, but exploration is an ongoing process and will extend the life of mine if more resources are discovered and calculated.

If the processing rates provided above in section 6.1.4 is accurately followed the current estimated reserves will last for 7 years but the probability for more undiscovered diamond bearing gravel reserves is high and will extend the life of the mine.

**7. REGULATION 11(1)(g)(i): THE DETAILS WITH REGARD TO THE COSTING OF THE MINING TECHNIQUE, MINING TECHNOLOGY AND PRODUCTION RATES (excluding labour and capital)**

**7.1 Mine design map**

(Include a high-level map indication the basic mine design and schematic mining schedule).



**7.2 Description of the mining method’s impact on operating cost.**

**7.2.1 Basic overview of the mining method**

Due to the shallowness and nature of the diamond bearing gravels, the mine will be in the form of open cast mining in blocks of 20m x 50m.

The topsoil and overburden will be removed and stockpiled separately next to the excavation for rehabilitation purposes.

The diamond bearing gravels is excavated and loaded on dumper trucks to be hauled and stockpiled at the processing plant. On return of the dumper trucks from the processing plant, the dumper trucks

will haul the waste material back to the excavation site for rehabilitation purposes.

Rehabilitation is an ongoing process and only one block will be excavated and rehabilitated at a time to ensure minimal final rehabilitation costs.

At the processing plant, the gravels are screened over a rotary barrel screen to a size <70mm. A mobile double deck screen removes the fines (sand) and oversize (>32mm).

The screened material is then fed into a 32mm scrubber / rotating screen into 2 x 14ft rotating diamond pans and the waste (slimes) pumped to the slimes dam. The concentrate is transported in sealed containers to the final recovery DMS plant (CPP) that is situated on Sydney on Vaal, near Delportshoop.

The pan concentrate arrives at the final recovery plant in sealed and numbered containers. The material is fed onto feed-preparation screens and rinsed, all the oversize material being fed into mixing boxes while the -1 mm material reports to the effluent pumps and is pumped to the scrubbing and screening plant for use as pulping water.

The gravel in the mixing boxes is pulped with an appropriate ferrosilicon-dense medium and then pumped to the DMS cyclones. The heavier diamond gravel concentrate reports to the 'sinks' screens and the lighter material reports to the 'floats' screens, where the ferrosilicon is drained and rinsed from the material on the screens.

The drained ferrosilicon gravitates back to the circulating-medium sump and the rinsed ferrosilicon to the dilute-medium sump, from where the latter is pumped to the magnetic separators for recovery as an over-dense product to report to the circulating-medium sump. Clean effluent from the magnetic separator is used as wash water on the float screens while the underflow effluent reports to the DMS plant's effluent sumps.

The diamonds gravitates to storage bins and is then conveyed to the 6 different size chutes in the classifier. Each size material is screened by a two stage Flowsort x-ray machine that identifies any

fluorescent material and ejects it into secure containers that are hand sorted for diamonds. The material from the floats screens is conveyed to the tailings dump. The DMS modules are automated and controlled from the central control room using a programmable logic control (PLC) and supervisory and control and data acquisition (SCADA) systems. On site the modules are enclosed in a sheeted building complete with electric hoists, access doors, etc.

### **7.2.2 Description of equipment and activities impacting electricity cost (excluding the processing plant)**

The only other activities impacting on the electricity cost is the:

- Administrative facilities with basic needs for computers, printers, phone chargers and or radio chargers.
- Kitchen with its associated supplies for warming food and water and a fridge for keeping food and drinking water cool.
- Water pumps that controls and supplies the water needed for the various water needs/uses of the mine.
- Maintenance equipment like electronic jacks, power tools and compressors all affect the cost and power consumption of the mine, but it is not possible to determine the amount of time these tools will be used.
- Various places like the plant, sorting room, office, ablution facilities and kitchen etc. have a need for lights (some internal and external) to increase the visibility for a better and safer workplace.

### **7.2.3 Description of equipment and activities impacting on fuel cost**

The equipment impacting on fuel cost includes:

- Excavators used for digging and feeding the plant.
- Dumper trucks hauling the material from the excavation site to the processing plant and back.
- Front end loaders used for basic management of material around the processing plant.
- Bulldozer and grader used for creating and maintaining the various roads used by the mine.
- Water truck keeping the roads wet for dust control.
- Diesel and service cart transporting the various chemicals needed by the plant and earth moving equipment.
- The stand by generators used for when the power from Eskom becomes unavailable.

#### **7.2.4 Description of equipment and activities impacting on cost of stores and materials**

The following equipment will be used for excavating, loading and hauling purposes.

3 x Front end loaders

3 x 45ton excavators

1 x Grader

1 x Dozer

4 x 40t Articulated dump trucks

3 x 50 kVA Genset for backup electricity

2 x Screens

2 x 16ft rotating pans

1 x DMS Plant

#### **7.2.5 Description of equipment and activities impacting on the cost of water**

Water truck spraying water on roads for dust control.

2 x 16ft rotating plants

2 x Screens

Sorting plant.

All mining slimes to be dewatered with dewatering screens to recycle water.

#### **7.2.6 Description of activities impacting on other cost not included above.**

- Fencing of the mine area.
- Security guards protecting the area.
- Administrative functions.

**7.2.7 Operating Cost Forecast** (Excluding the processing plant and Labour) for the first 10 years

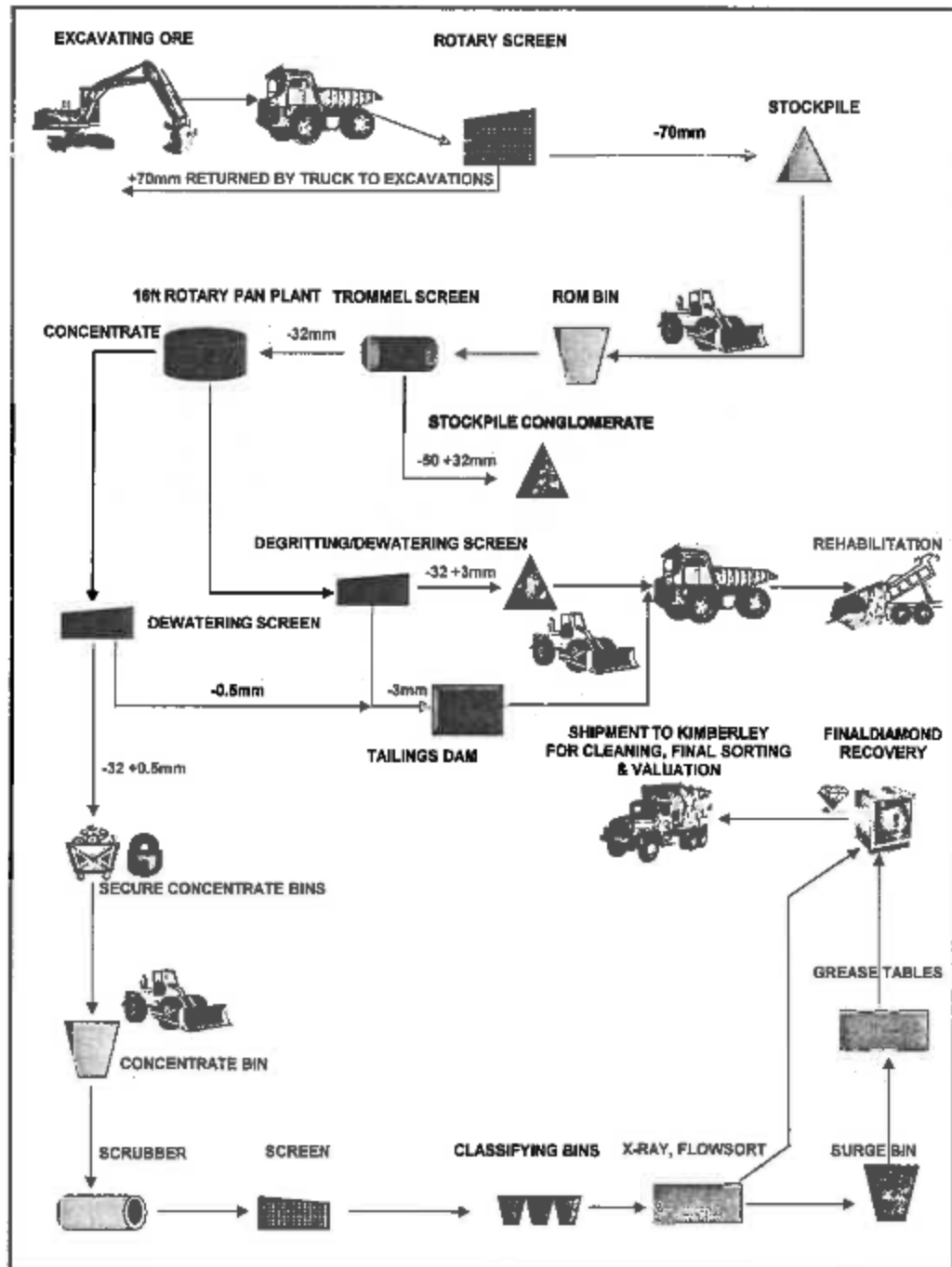
<b>COST CATEGORY</b>	<b>YEAR 1</b>	<b>YEAR 2</b>	<b>YEAR 3</b>	<b>YEAR 4</b>	<b>YEAR 5</b>	<b>YEAR 6</b>	<b>YEAR 7</b>	<b>YEAR 8</b>	<b>YEAR 9</b>	<b>YEAR 10</b>
<b>Fuel</b>	R 4 069 065	R 8 138 130	R 8 545 037	R 8 972 288	R 9 420 903	R 9 891 948	R 10 386 545	R 10 905 873	R 11 451 166	R 12 023 724
<b>Electricity</b>	R 8 000	R 10 000	R 10 500	R 11 025	R 11 576	R 12 155	R 12 763	R 13 401	R 14 071	R 14 775
<b>Water</b>	-	-	-	-	-	-	-	-	-	-
<b>Stores and materials</b>	R 101 726	R 203 453	R 213 625	R 224 307	R 235 523	R 247 299	R 259 664	R 272 647	R 286 279	R 300 593
<b>Maintenance</b>	R 406 906	R 813 813	R 854 503	R 897 228	R 942 090	R 989 195	R 1 038 655	R 1 090 587	R 1 145 116	R 1 202 372
<b>Repairs</b>	R 203 453	R 406 907	R 427 252	R 448 614	R 471 045	R 494 597	R 519 327	R 572 558	R 601 186	R 601 186
<b>TOTAL COST</b> (To be reflected in the cash flow forecast)	R 4 789 151	R 9 572 303	R 10 050 918	R 10 553 464	R 11 081 137	R 11 635 194	R 12 216 954	R 12 827 801	R 13 469 191	R 14 142 651

**NB! The cost determined here must explain the cost used in line item 4 of the cash flow forecast required herein under Regulation 11(1)(g)(vi).**

8. REGULATION 11(1)(g)(ii): DETAILS AND COSTS OF THE TECHNOLOGICAL PROCESS APPLICABLE TO THE EXTRACTION AND PREPARATION OF THE MINERAL OR MINERALS TO COMPLY WITH MARKET REQUIREMENTS.

8.1 High level description of the processing plant

8.1.1 Basic plant design. (Supported by a process flow diagram, of the plant).



Gravels are loaded onto a vibrating grizzly and the +32 mm oversize material is stockpiled for the crushing and selling as construction material. The remaining -32 mm fraction is loaded into the feeding bin of



2 x 16ft rotating pans, each with a treating capacity of 65 tons per hour. Tracer tests needs to be conducted regularly to ensure the pans are separating the material on the correct density. Approximately 3.25 tons of concentrate is tapped from each of the pans every 3 hours and transported in locked containers to the final recovery unit.

The final recovery unit consists of four containers stacked on top of each other which house the holding bins, the sizing screens, sizing bins and two state of the art flow sort x-ray recovery units which recovers diamonds from the +2mm to – 32mm size fractions. Final sorting of the x-ray concentrate will be done manually with the use of glove boxes. The sealed final recovery unit is guarded 24 hours a day.

**8.1.2 Efficiency of the process.** (together with an estimate of the mineral recovery rate, and expected mass or volume of mine waste or residues together with the manner in which it would be disposed of.)

Rotary pan plants is more than 90% affective if density tests are done regularly and pans adjusted accordingly. At full capacity of 2 16ft rotary pans about 2860 carat of diamonds will be recovered annually. 90% of the plant feed will be returned to the excavations in the form of dry tailings and/or used in the other Super mix ventures producing construction materials.

Puddle from rotating pans will be pumped into a slimes dam, which will ultimately dry out and used as surface cover for the excavations in the rehabilitation process.

The topsoil and overburden varying in thickness of 0.1m to 4m (seldom more than 0.5m) will be stored next to the excavation and used for backfilling of the excavations in their respective order to ensure cost effective rehabilitation.

**8.2 Description of equipment and activities impacting electricity cost**  
(excluding the processing plant)

The only other activities impacting on the electricity cost is the:

- Administrative facilities with basic needs for computers, printers, phone chargers and or radio chargers.
- Kitchen with its associated supplies for warming food and water and a fridge for keeping food and drinking water cool.
- Water pumps that controls and supplies the water needed for the various water needs/uses of the mine.

- Maintenance equipment like electronic jacks, power tools and compressors all affect the cost and power consumption of the mine, but it is not possible to determine the amount of time these tools will be used.
- Various places like the plant, sorting room, office, ablution facilities and kitchen etc. have a need for lights (some internal and external) to increase the visibility for a better and safer workplace.

### **8.3 Description of equipment and activities impacting on fuel cost**

The equipment impacting on fuel cost includes:

- 3 x 45ton Excavators used for digging and feeding the plant.
- 4 x 40ton ADT Dumper trucks hauling the material from the excavation site to the processing plant and back.
- 3 x Front end loaders used for basic management of material around the processing plant.
- Bulldozer and grader used for creating and maintaining the various roads used by the mine.
- Water truck keeping the roads wet for dust control.
- Diesel and service cart transporting the various chemicals needed by the plant and earth moving equipment.
- The stand by generators used for when the power from Eskom becomes unavailable.

### **8.4 Description of equipment and activities impacting on cost of stores and materials**

The following equipment will be used for excavating, loading and hauling purposes.

3 x Front end loaders

3 x 45ton excavators

1 x Grader

1 x Dozer

4 x 40t Articulated dump trucks

3 x 50 kVA Genset for backup electricity

2 x Screens

2 x 16ft rotating pans

1 x DMS Plant

### **8.5 Description of equipment and activities impacting on the cost of water**

Water truck spraying water on roads for dust control.

2 x 16ft rotating plants.

2 x Screens.

Sorting plant.

All mining slimes to be dewatered with dewatering screens to recycle water.

**8.6 Description of activities impacting on other cost not included above**

- Fencing of the mine area.
- Security guards protecting the area.
- Administrative functions

**8.6.1 Processing plant operation cost forecast (Excluding Labour) for the first 10 years**

<b>COST CATEGORY</b>	<b>YEAR 1</b>	<b>YEAR 2</b>	<b>YEAR 3</b>	<b>YEAR 4</b>	<b>YEAR 5</b>	<b>YEAR 6</b>	<b>YEAR 7</b>	<b>YEAR 8</b>	<b>YEAR 9</b>	<b>YEAR 10</b>
<b>Fuel</b>	-	-	-	-	-	-	-	-	-	-
<b>Electricity</b>	R 159 468	R 212 625	R 223 256	R 234 419	R 246 140	R 258 447	R 271 369	R 284 938	R 299 185	R 314 144
<b>Water</b>	R 92 400	R 184 800	R 186 648	R 188 514	R 190 399	R 192 303	R 194 227	R 196 169	R 198 130	R 200 112
<b>Stores and materials</b>	R 101 726	R 203 453	R 213 625	R 224 307	R 235 523	R 247 299	R 259 664	R 272 647	R 286 279	R 300 593
<b>Maintenance</b>	R 406 906	R 813 813	R 854 503	R 897 228	R 942 090	R 989 195	R 1 038 655	R 1 090 587	R 1 145 116	R 1 202 372
<b>Repairs</b>	R 203 453	R 406 907	R 427 252	R 448 614	R 471 045	R 494 597	R 519 327	R 572 558	R 601 186	R 601 186
<b>TOTAL COST</b> (To be reflected in the cash flow forecast)	R 963 955	R 1 821 598	R 1 905 286	R 1 993 084	R 2 085 198	R 2 181 842	R 2 283 241	R 2 389 634	R 2 501 269	R 2 618 408

**NB! The cost determined here must explain the cost used in line item 5 of the cash flow forecast required herein under Regulation 11(1)(g)(vi).**

**9. REGULATION 11(1)(g)(iii): DEATIALS AND COSTING OF THE TECHNICAL SKILLS AND EXPERTISE AND ASSOCIATED LABOUR IMPLICATIONS REQUIRED TO CONDUCT THE PROPOSES MINING OPERATION**

**9.1 Organizational Structure of the mine**

**9.1.1 Description of positions requiring certificates of competency and under which skill category they have been budgeted for.**

- Mine Manager (Top Management)  
Management Diploma / Mine overseer Certificate / Open Cast Mining Diploma / Mine Manager Certificate  
Management
  
- HR Manager (Senior Management)  
Human Resources Diploma  
Management
  
- Financial Manager (Senior Management)  
Degree in Financial Manager  
Management
  
- Production Superintendent (Senior Management)  
Opencast Mining Certificate  
Management
  
- Engineering Superintendent (Senior Management)  
Qualified Artisan Certificate with experience  
Management
  
- Pit Supervisor (Skilled technical)  
Opencast Mining Certificate  
Management
  
- Plant Supervisor (Skilled technical)  
Qualified Artisan with experience  
Management
  
- Safety Officer (Senior Management)  
Certificate in Mine Health and Safety (COMSOC)  
Skilled
  
- Logistics Officer (Skilled technical)  
Logistics Certificate / Grade 12 or equivalent / Computer literacy

Skilled

- Boiler maker (Skilled technical)  
Boiler maker Certificate  
Skilled
  
- Diesel Mechanic (Skilled technical)  
Artisan Certificate  
Skilled
  
- DMS plant Operator (Skilled technical)  
Computer Literate  
Skilled
  
- 3 x Excavator Operator (Semi Skilled)  
Operator Certificate  
Unskilled / Skilled
  
- 3 x Loader Operator (Semi Skilled)  
Operator Certificate  
Unskilled / Skilled
  
- Truck Operator (Semi Skilled)  
Operator Certificate  
Unskilled / Skilled
  
- Dozer Operator (Semi Skilled)  
Operator Certificate  
Unskilled / Skilled
  
- 4 x Plant Operator (Semi Skilled)  
Operator Certificate  
Unskilled / Skilled
  
- Water/Diesel Truck Operator (Semi Skilled)  
Code 10 / Public license  
Skilled
  
- Buyer Store man (Semi Skilled)  
Grade 12 of equivalent  
Skilled

**9.1.2 Description of which part or parts of the mining operation will be outsourced (if any)**

**9.1.2.1 Description of positions requiring certificates of competency and under which skills category they have been budgeted for.**

- Geological Consultant (Qualified Specialist)  
Honors Degree  
Contractor
  
- Surveyor (Qualified Specialist)  
Certified mine surveyor  
Contractor
  
- OHS Hygienist  
Certified OSH Practitioner  
Contractor
  
- Security Company  
Registered Security Company  
Contractor
  
- Electrician (Skilled technical)  
Electrical Artisan Certificate  
Skilled  
Contractor

**9.2 Costing of the skills categories in the mining operations to determine if technical competence has been budgeted for: Complete the following tables:**



## MINE EMPLOYEES

PERSONNEL ON THE MINE'S PAYROLL: (YEARS 1 TO 5)

CATEGORY	YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5	
	NO. OF POSITIONS	BUDGET	NO. OF POSITIONS	BUDGET	NO. OF POSITIONS	BUDGET	NO. OF POSITIONS	BUDGET	NO. OF POSITIONS	BUDGET
<b>Top Management</b>	1	R 1 000 000	1	R 1 050 000	1	R 1 102 500	1	R 1 157 625	1	R 1 215 506
<b>Senior Management</b>	5	R 2 400 000	5	R 2 520 000	5	R 2 646 000	5	R 2 778 300	5	R 2 917 215
<b>Professionally qualified and experienced specialists and mid-management</b>										
<b>Skilled technical and academically qualified workers, junior management, supervisors, foreman and superintendents</b>	6	R 1 080 000	6	R 1 134 000	6	R 1 190 700	6	R 1 250 235	6	R 1 312 747
<b>Semi-skilled and discretionary decision making</b>	14	R 1 008 000	14	R 1 058 400	14	R 1 111 320	14	R 1 166 886	14	R 1 225 230
<b>Non permanent Employees</b>										
<b>TOTAL PERSONNEL EXPENDITURE</b>		R 5 488 000		R 5 762 400		R 6 050 520		R 6 353 046		R 6 670 698

## MINE EMPLOYEES

PERSONNEL ON THE MINE'S PAYROLL: (YEARS 6 TO 10)

CATEGORY	YEAR 6		YEAR 7		YEAR 8		YEAR 9		YEAR 10	
	NO. OF POSITIONS	BUDGET	NO. OF POSITIONS	BUDGET	NO. OF POSITIONS	BUDGET	NO. OF POSITIONS	BUDGET	NO. OF POSITIONS	BUDGET
Top Management	1	R 1 276 282	1	R 1 340 096	1	R 1 407 100	1	R 1 477 455	1	R 1 551 328
Senior Management	5	R 3 063 076	5	R 3 216 230	5	R 3 377 041	5	R 3 545 893	5	R 3 723 188
Professionally qualified and experienced specialists and mid-management										
Skilled technical and academically qualified workers, junior management, supervisors, foreman and superintendents	6	R 1 378 384	6	R 1 447 303	6	R 1 519 668	6	R 1 595 652	6	R 1 675 434
Semi-skilled and discretionary decision making	14	R 1 286 492	14	R 1 350 816	14	R 1 418 357	14	R 1 489 275	14	R 1 563 739
Non permanent Employees										
<b>TOTAL PERSONNEL EXPENDITURE</b>		R 7 004 233		R 7 354 445		R 7 722 167		R 8 108 275		R 8 513 689

**SUBCONTRACTORS EMPLOYESS (if applicable)**

(Duplicate this form for each subcontractor)

<b>CATEGORY</b>	<b>YEAR 1</b>	<b>YEAR 2</b>	<b>YEAR 3</b>	<b>YEAR 4</b>	<b>YEAR 5</b>	<b>YEAR 6</b>	<b>YEAR 7</b>	<b>YEAR 8</b>	<b>YEAR 9</b>	<b>YEAR 10</b>
<b>Top Management</b>										
<b>Senior Management</b>										
<b>Professionally qualified and experienced specialists and mid-management</b>										
<b>Skilled technical and academically qualified workers, junior management, supervisors, foreman and superintendents</b>										
<b>Semi-skilled and discretionary decision making</b>										
<b>Non permanent Employees</b>										
<b>TOTAL PERSONNEL EXPENDITURE (Not only salaries and wager)</b>	<b>BUDGET</b>	<b>BUDGET</b>	<b>BUDGET</b>	<b>BUDGET</b>	<b>BUDGET</b>	<b>BUDGET</b>	<b>BUDGET</b>	<b>BUDGET</b>	<b>BUDGET</b>	<b>BUDGET</b>

### SERVICE PROVIDERS

LIST OF SPECIALITST, CONSULTANTS AND SERVICE PROVIDERS	BUDGET YEAR 1	BUDGET YEAR 2	BUDGET YEAR 3	BUDGET YEAR 4	BUDGET YEAR 5	BUDGET YEAR 6	BUDGET YEAR 7	BUDGET YEAR 8	BUDGET YEAR 9	BUDGET YEAR 10
<b>Geologist</b>	R 200 000	R 210 000	R 220 500	R 231 525	R 243 101	R 255 256	R 267 019	R 281 420	R 295 491	R 310 266
<b>Surveyor</b>	R 24 000	R 25 200	R 26 460	R 27 783	R 29 172	R 30 631	R 32 162	R 33 770	R 35 459	R 37 232
<b>Electrician</b>	R 120 000	R 126 000	R 132 300	R 138 915	R 145 861	R 153 154	R 160 811	R 168 852	R 177 295	R 186 159
<b>Drillers</b>										
<b>Medical Practitioner</b>	R 20 000	R 21 000	R 22 050	R 23 153	R 24 310	R 25 526	R 26 802	R 28 142	R 29 549	R 31 027
<b>Toilette hire</b>	R12 000	R 12 600	R 13 230	R 13 892	R 14 586	R 15 315	R 16 081	R 16 885	R 17 729	R 18 616
<b>Security</b>	R 240 000	R 252 000	R 264 600	R 277 830	R 291 722	R 306 308	R 321 623	R 337 704	R 354 589	R 372 319
<b>TOTAL BUDGET (SERVICES)</b>	R 616 000	R 646 800	R 679 140	R 713 097	R 748 752	R 786 189	R 825 499	R 866 774	R 910 113	R 955 618

### TOTAL COST OF ALL TECHNICAL SKILLS AND SERVICES REQUIRED TO OPERATE THE MINE

CATEGORY	BUDGET YEAR 1	BUDGET YEAR 2	BUDGET YEAR 3	BUDGET YEAR 4	BUDGET YEAR 5	BUDGET YEAR 6	BUDGET YEAR 7	BUDGET YEAR 8	BUDGET YEAR 9	BUDGET YEAR 10
<b>IN HOUSE SILLS AND SERVICES</b>	R 5 488 000	R 5 762 400	R 6 050 520	R 6 353 046	R 6 670 698	R 7 004 233	R 7 354 445	R 7 722 167	R 8 108 275	R 8 513 689
<b>SKILLS AND SERVICES PROVIDED BY SUBCONTRACTORS</b>	-	-	-	-	-	-	-	-	-	-
<b>SILLS AND SERVICES PROVIDED BY SERVICE PROVIDERS</b>	R 616 000	R 646 800	R 679 140	R 713 097	R 748 752	R 786 189	R 825 499	R 866 774	R 910 113	R 955 618
<b>TOTAL BUDGET FOR TECHNICAL SKILLS AND COMPETENCE</b>	<b>R 6 104 000</b>	<b>R 6 409 200</b>	<b>R 6 729 660</b>	<b>R 7 066 143</b>	<b>R 7 419 450</b>	<b>R 7 790 423</b>	<b>R 8 179 944</b>	<b>R 8 588 941</b>	<b>R 9 018 388</b>	<b>R 9 469 307</b>

**NB! THE TOTAL BUDGET FOR TECHNICAL SKILLS AND SERVICES AND COMPETENCE MUST BE TRANSFERRED TO LINE ITEM 6 IN THE CASH FLOW FORECAST**

**10.REGULATION 11(1)(g)(iv): DETAILS AND COSTING OF REGULATORY REQUIREMENT IS TERMS OF THE ACT AND OTHER APPLICABLE LAW, RELEVANT TO THE PROPOSED MINING OPERATION**

**10.1 Environmental cost forecast**

**10.1.1 Rehabilitation cost estimate**

(Refer to the guideline for Financial provision (described in Regulation 54(1)(2) published on the Departments website. Complete 10 forecasts and paste them into this section, i.e. one for the progressive impact in each of the first 10 years of operation. The progressive total (10th year must be stated under this heading and also included into the first year of the cash flow under Regulation 11(1)(g)(vi) below in the environmental cost category.)

The rehabilitation forecast estimates to a total amount of:  
R 2 024 103.09

**CALCULATION OF THE QUANTUM**

Applicant: **SUPERMIX MINING (PTY) LTD** Location: **NOOITGEDACHT 66**  
Forecast for year 2018 Date: **Sep-17**

No.	Description	Unit	A Quantity	B Master Rate	C Multiplication factor	D Weighting factor 1	E=A*B*C*D Amount (Rands)
1	Dismantling of processing plant and related structures (including overland conveyors and powerlines)	m3	1000	R 14.59	1	1	R 14 590.00
2 (A)	Demolition of steel buildings and structures	m2	160	R 203.28	1	1	R 32 524.80
2(B)	Demolition of reinforced concrete buildings and structures	m2	60	R 299.57	1	1	R 17 974.20
3	Rehabilitation of access roads	m2	4 000	R 36.38	1	1	R 145 520.00
4 (A)	Demolition and rehabilitation of electrified railway lines	m		R 353.06	1	1	R -
4 (A)	Demolition and rehabilitation of non-electrified railway lines	m		R 192.58	1	1	R -
5	Demolition of housing and/or administration facilities	m2		R 406.55	1	1	R -
6	Opencast rehabilitation including final voids and ramps	ha	0.25	R 206 914.18	1	1	R 51 728.55
7	Sealing of shafts adits and inclines	m3		R 109.13	1	1	R -
8 (A)	Rehabilitation of overburden and spoils	ha	0.625	R 142 079.64	1	1	R 88 799.78
8 (B)	Rehabilitation of processing waste deposits and evaporation ponds (non-polluting potential)	ha	2.3	R 176 957.63	1	1	R 407 002.55
8 (C)	Rehabilitation of processing waste deposits and evaporation ponds (polluting potential)	ha		R 513 968.83	1	1	R -
9	Rehabilitation of subsided areas	ha		R 18 970.30	1	1	R -
10	General surface rehabilitation	ha	0.0633	R 112 551.04	1	1	R 7 124.48
11	River diversions	ha		R 112 551.04	1	1	R -
12	Fencing	m		R 128.39	1	1	R -
13	Water management	ha		R 42 795.07	1	1	R -
14	2 to 3 years of maintenance and aftercare	ha	6.4197	R 14 978.28	1	1	R 96 156.06
15 (A)	Specialist study	Sum				1	R -
15 (B)	Specialist study	Sum				1	R -
Sub Total 1							R 861 420.41

1	Preliminary and General	R	103 370.45	<b>weighting factor 2</b> 1	R	103 370.45
2	Contingencies	R		86 142.04	R	86 142.04
Subtotal 2					R	1 050 932.91
VAT (14%)					R	147 130.61
<b>Grand Total</b>					<b>R</b>	<b>1 198 063.51</b>

**CALCULATION OF THE QUANTUM**

Applicant:

**SUPERMIX MINING (PTY) LTD**  
Forecast for year 2019

Location:

**NOOITGEDACHT 66**  
Sep-17

No.	Description	Unit	A	B	C	D	E=A*B*C*D Amount (Rands)
			Quantity	Master Rate	Multiplication factor	Weighting factor 1	
1	Dismantling of processing plant and related structures (including overland conveyors and powerlines)	m3	1000	R 15.47	1	1	R 15 465.40
2 (A)	Demolition of steel buildings and structures	m2	160	R 215.48	1	1	R 34 476.29
2(B)	Demolition of reinforced concrete buildings and structures	m2	60	R 317.54	1	1	R 19 052.65
3	Rehabilitation of access roads	m2	4 000	R 38.56	1	1	R 154 251.20
4 (A)	Demolition and rehabilitation of electrified railway lines	m		R 374.24	1	1	R -
4 (A)	Demolition and rehabilitation of non-electrified railway lines	m		R 204.13	1	1	R -
5	Demolition of housing and/or administration facilities	m2		R 430.94	1	1	R -
6	Opencast rehabilitation including final voids and ramps	ha	0.25	R 219 329.03	1	1	R 54 832.26
7	Sealing of shafts adits and inclines	m3		R 115.68	1	1	R -
8 (A)	Rehabilitation of overburden and spoils	ha	0.625	R 150 604.42	1	1	R 94 127.76
8 (B)	Rehabilitation of processing waste deposits and evaporation ponds (non-polluting potential)	ha	2.3	R 187 575.09	1	1	R 431 422.70
8 (C)	Rehabilitation of processing waste deposits and evaporation ponds (polluting potential)	ha		R 544 806.96	1	1	R -
9	Rehabilitation of subsided areas	ha		R 20 108.52	1	1	R -
10	General surface rehabilitation	ha	0.0633	R 119 304.10	1	1	R 7 551.95
11	River diversions	ha		R 119 304.10	1	1	R -
12	Fencing	m		R 136.09	1	1	R -
13	Water management	ha		R 45 362.77	1	1	R -
14	2 to 3 years of maintenance and aftercare	ha	6.4197	R 15 876.98	1	1	R 101 925.43
15 (A)	Specialist study	Sum				1	R -
15 (B)	Specialist study	Sum				1	R -
Sub Total 1							R 913 105.64
1	Preliminary and General	R	109 572.68		<b>weighting factor 2</b> 1		R 109 572.68
2	Contingencies	R				91 310.56	R 91 310.56
Subtotal 2							R 1 113 988.88
VAT (14%)							R 155 958.44
<b>Grand Total</b>							<b>R 1 269 947.32</b>

**CALCULATION OF THE QUANTUM**

Applicant:

**SUPERMIX MINING (PTY) LTD**  
Forecast for year 2020

Location:

**NOOITGEDACHT 66**  
Sep-17

No.	Description	Unit	A	B	C	D	E=A*B*C*D Amount (Rands)
			Quantity	Master Rate	Multiplication factor	Weighting factor 1	
1	Dismantling of processing plant and related structures (including overland conveyors and powerlines)	m3	1000	R 16.39	1	1	R 16 393.32
2 (A)	Demolition of steel buildings and structures	m2	160	R 228.41	1	1	R 36 544.87
2(B)	Demolition of reinforced concrete buildings and structures	m2	60	R 336.60	1	1	R 20 195.81
3	Rehabilitation of access roads	m2	4 000	R 40.88	1	1	R 163 506.27
4 (A)	Demolition and rehabilitation of electrified railway lines	m		R 396.70	1	1	R -
4 (A)	Demolition and rehabilitation of non-electrified railway lines	m		R 216.38	1	1	R -
5	Demolition of housing and/or administration facilities	m2		R 456.80	1	1	R -
6	Opencast rehabilitation including final voids and ramps	ha	0.25	R 232 488.77	1	1	R 58 122.19
7	Sealing of shafts adits and inclines	m3		R 122.62	1	1	R -
8 (A)	Rehabilitation of overburden and spoils	ha	0.625	R 159 640.68	1	1	R 99 775.43
8 (B)	Rehabilitation of processing waste deposits and evaporation ponds (non-polluting potential)	ha	2.3	R 198 829.59	1	1	R 457 308.06
8 (C)	Rehabilitation of processing waste deposits and evaporation ponds (polluting potential)	ha		R 577 495.38	1	1	R -
9	Rehabilitation of subsided areas	ha		R 21 315.03	1	1	R -
10	General surface rehabilitation	ha	0.0633	R 126 462.35	1	1	R 8 005.07
11	River diversions	ha		R 126 462.35	1	1	R -
12	Fencing	m		R 144.26	1	1	R -
13	Water management	ha		R 48 084.54	1	1	R -
14	2 to 3 years of maintenance and aftercare	ha	6.4197	R 16 829.60	1	1	R 108 040.95
15 (A)	Specialist study	Sum				1	R -
15 (B)	Specialist study	Sum				1	R -
Sub Total 1							R 967 891.98
1	Preliminary and General	R	116 147.04		<b>weighting factor 2</b> 1		R 116 147.04
2	Contingencies	R				96 789.20	R 96 789.20
Subtotal 2							R 1 180 828.21
VAT (14%)							R 165 315.95
<b>Grand Total</b>							<b>R 1 346 144.16</b>

**CALCULATION OF THE QUANTUM**

Applicant:

**SUPERMIX MINING (PTY) LTD**  
Forecast for year 2021

Location:

**NOOITGEDACHT 66**  
Sep-17

No.	Description	Unit	A	B	C	D	E=A*B*C*D
			Quantity	Master Rate	Multiplication factor	Weighting factor 1	Amount (Rands)
1	Dismantling of processing plant and related structures (including overland conveyors and powerlines)	m3	1000	R 17.38	1	1	R 17 376.92
2 (A)	Demolition of steel buildings and structures	m2	160	R 242.11	1	1	R 38 737.56
2(B)	Demolition of reinforced concrete buildings and structures	m2	60	R 356.79	1	1	R 21 407.56
3	Rehabilitation of access roads	m2	4 000	R 43.33	1	1	R 173 316.65
4 (A)	Demolition and rehabilitation of electrified railway lines	m		R 420.50	1	1	R -
4 (A)	Demolition and rehabilitation of non-electrified railway lines	m		R 229.37	1	1	R -
5	Demolition of housing and/or administration facilities	m2		R 484.21	1	1	R -
6	Opencast rehabilitation including final voids and ramps	ha	0.25	R 246 438.10	1	1	R 61 609.52
7	Sealing of shafts adits and inclines	m3		R 129.98	1	1	R -
8 (A)	Rehabilitation of overburden and spoils	ha	0.625	R 169 219.12	1	1	R 105 761.95
8 (B)	Rehabilitation of processing waste deposits and evaporation ponds (non-polluting potential)	ha	2.3	R 210 759.37	1	1	R 484 746.55
8 (C)	Rehabilitation of processing waste deposits and evaporation ponds (polluting potential)	ha		R 612 145.10	1	1	R -
9	Rehabilitation of subsided areas	ha		R 22 593.93	1	1	R -
10	General surface rehabilitation	ha	0.0633	R 134 050.09	1	1	R 8 485.37
11	River diversions	ha		R 134 050.09	1	1	R -
12	Fencing	m		R 152.91	1	1	R -
13	Water management	ha		R 50 969.61	1	1	R -
14	2 to 3 years of maintenance and aftercare	ha	6.4197	R 17 839.37	1	1	R 114 523.41
15 (A)	Specialist study	Sum				1	R -
15 (B)	Specialist study	Sum				1	R -
<b>Sub Total 1</b>							<b>R 1 025 965.50</b>
1	Preliminary and General	R	123 115.86	<b>weighting factor 2</b>		1	R 123 115.86
2	Contingencies	R		102 596.55			R 102 596.55
<b>Subtotal 2</b>							<b>R 1 251 677.90</b>
<b>VAT (14%)</b>							<b>R 175 234.91</b>
<b>Grand Total</b>							<b>R 1 426 912.81</b>

**CALCULATION OF THE QUANTUM**

Applicant:

**SUPERMIX MINING (PTY) LTD**  
Forecast for year 2022

Location:

**NOOITGEDACHT 66**  
Sep-17

No.	Description	Unit	A	B	C	D	E=A*B*C*D
			Quantity	Master Rate	Multiplication factor	Weighting factor 1	Amount (Rands)
1	Dismantling of processing plant and related structures (including overland conveyors and powerlines)	m3	1000	R 18.42	1	1	R 18 419.54
2 (A)	Demolition of steel buildings and structures	m2	160	R 256.64	1	1	R 41 061.81
2(B)	Demolition of reinforced concrete buildings and structures	m2	60	R 378.20	1	1	R 22 692.01
3	Rehabilitation of access roads	m2	4 000	R 45.93	1	1	R 183 715.65
4 (A)	Demolition and rehabilitation of electrified railway lines	m		R 445.73	1	1	R -
4 (A)	Demolition and rehabilitation of non-electrified railway lines	m		R 243.13	1	1	R -
5	Demolition of housing and/or administration facilities	m2		R 513.26	1	1	R -
6	Opencast rehabilitation including final voids and ramps	ha	0.25	R 261 224.38	1	1	R 65 306.10
7	Sealing of shafts adits and inclines	m3		R 137.77	1	1	R -
8 (A)	Rehabilitation of overburden and spoils	ha	0.625	R 179 372.27	1	1	R 112 107.67
8 (B)	Rehabilitation of processing waste deposits and evaporation ponds (non-polluting potential)	ha	2.3	R 223 404.93	1	1	R 513 831.34
8 (C)	Rehabilitation of processing waste deposits and evaporation ponds (polluting potential)	ha		R 648 873.81	1	1	R -
9	Rehabilitation of subsided areas	ha		R 23 949.57	1	1	R -
10	General surface rehabilitation	ha	0.0633	R 142 093.09	1	1	R 8 994.49
11	River diversions	ha		R 142 093.09	1	1	R -
12	Fencing	m		R 162.09	1	1	R -
13	Water management	ha		R 54 027.79	1	1	R -
14	2 to 3 years of maintenance and aftercare	ha	6.4197	R 18 909.73	1	1	R 121 394.82
15 (A)	Specialist study	Sum				1	R -
15 (B)	Specialist study	Sum				1	R -
<b>Sub Total 1</b>							<b>R 1 087 523.43</b>
1	Preliminary and General	R	130 502.81	<b>weighting factor 2</b>		1	R 130 502.81
2	Contingencies	R		108 752.34			R 108 752.34
<b>Subtotal 2</b>							<b>R 1 326 778.58</b>
<b>VAT (14%)</b>							<b>R 185 749.00</b>
<b>Grand Total</b>							<b>R 1 512 527.58</b>

**CALCULATION OF THE QUANTUM**

Applicant:

**SUPERMIX MINING (PTY) LTD**  
Forecast for year 2023

Location:

**NOOITGEDACHT 66**  
Sep-17

No.	Description	Unit	A	B	C	D	E=A*B*C*D Amount (Rands)
			Quantity	Master Rate	Multiplication factor	Weighting factor 1	
1	Dismantling of processing plant and related structures (including overland conveyors and powerlines)	m3	1000	R 19.52	1	1	R 19 524.71
2 (A)	Demolition of steel buildings and structures	m2	160	R 272.03	1	1	R 43 525.52
2(B)	Demolition of reinforced concrete buildings and structures	m2	60	R 400.89	1	1	R 24 053.53
3	Rehabilitation of access roads	m2	4 000	R 48.68	1	1	R 194 738.59
4 (A)	Demolition and rehabilitation of electrified railway lines	m		R 472.47	1	1	R -
4 (A)	Demolition and rehabilitation of non-electrified railway lines	m		R 257.72	1	1	R -
5	Demolition of housing and/or administration facilities	m2		R 544.06	1	1	R -
6	Opencast rehabilitation including final voids and ramps	ha	0.25	R 276 897.85	1	1	R 69 224.46
7	Sealing of shafts adits and inclines	m3		R 146.04	1	1	R -
8 (A)	Rehabilitation of overburden and spoils	ha	0.625	R 190 134.61	1	1	R 118 834.13
8 (B)	Rehabilitation of processing waste deposits and evaporation ponds (non-polluting potential)	ha	2.3	R 236 809.23	1	1	R 544 661.22
8 (C)	Rehabilitation of processing waste deposits and evaporation ponds (polluting potential)	ha		R 687 806.23	1	1	R -
9	Rehabilitation of subsided areas	ha		R 25 386.54	1	1	R -
10	General surface rehabilitation	ha	0.0633	R 150 618.68	1	1	R 9 534.16
11	River diversions	ha		R 150 618.68	1	1	R -
12	Fencing	m		R 171.81	1	1	R -
13	Water management	ha		R 57 269.46	1	1	R -
14	2 to 3 years of maintenance and aftercare	ha	6.4197	R 20 044.32	1	1	R 128 678.50
15 (A)	Specialist study	Sum				1	R -
15 (B)	Specialist study	Sum				1	R -
<b>Sub Total 1</b>							<b>R 1 152 774.83</b>
1	Preliminary and General	R	138 332.98		<b>weighting factor 2</b>		R 138 332.98
					1		
2	Contingencies	R				115 277.48	R 115 277.48
<b>Subtotal 2</b>							<b>R 1 406 385.29</b>
<b>VAT (14%)</b>							<b>R 196 893.94</b>
<b>Grand Total</b>							<b>R 1 603 279.23</b>

**CALCULATION OF THE QUANTUM**

Applicant:

**SUPERMIX MINING (PTY) LTD**  
Forecast for year 2024

Location:

**NOOITGEDACHT 66**  
Sep-17

No.	Description	Unit	A	B	C	D	E=A*B*C*D Amount (Rands)
			Quantity	Master Rate	Multiplication factor	Weighting factor 1	
1	Dismantling of processing plant and related structures (including overland conveyors and powerlines)	m3	1000	R 20.70	1	1	R 20 696.19
2 (A)	Demolition of steel buildings and structures	m2	160	R 288.36	1	1	R 46 137.05
2(B)	Demolition of reinforced concrete buildings and structures	m2	60	R 424.95	1	1	R 25 496.75
3	Rehabilitation of access roads	m2	4 000	R 51.61	1	1	R 206 422.90
4 (A)	Demolition and rehabilitation of electrified railway lines	m		R 500.82	1	1	R -
4 (A)	Demolition and rehabilitation of non-electrified railway lines	m		R 273.18	1	1	R -
5	Demolition of housing and/or administration facilities	m2		R 576.70	1	1	R -
6	Opencast rehabilitation including final voids and ramps	ha	0.25	R 293 511.72	1	1	R 73 377.93
7	Sealing of shafts adits and inclines	m3		R 154.80	1	1	R -
8 (A)	Rehabilitation of overburden and spoils	ha	0.625	R 201 542.68	1	1	R 125 964.18
8 (B)	Rehabilitation of processing waste deposits and evaporation ponds (non-polluting potential)	ha	2.3	R 251 017.78	1	1	R 577 340.89
8 (C)	Rehabilitation of processing waste deposits and evaporation ponds (polluting potential)	ha		R 729 074.61	1	1	R -
9	Rehabilitation of subsided areas	ha		R 26 909.73	1	1	R -
10	General surface rehabilitation	ha	0.0633	R 159 655.80	1	1	R 10 106.21
11	River diversions	ha		R 159 655.80	1	1	R -
12	Fencing	m		R 182.12	1	1	R -
13	Water management	ha		R 60 705.62	1	1	R -
14	2 to 3 years of maintenance and aftercare	ha	6.4197	R 21 246.98	1	1	R 136 399.21
15 (A)	Specialist study	Sum				1	R -
15 (B)	Specialist study	Sum				1	R -
<b>Sub Total 1</b>							<b>R 1 221 941.32</b>
1	Preliminary and General	R	146 632.96		<b>weighting factor 2</b>		R 146 632.96
					1		
2	Contingencies	R				122 194.13	R 122 194.13
<b>Subtotal 2</b>							<b>R 1 490 768.41</b>
<b>VAT (14%)</b>							<b>R 208 707.58</b>
<b>Grand Total</b>							<b>R 1 699 475.99</b>



**CALCULATION OF THE QUANTUM**

Applicant:

**SUPERMIX MINING (PTY) LTD**  
Forecast for year 2025

Location:

**NOOITGEDACHT 66**  
Sep-17

No.	Description	Unit	A	B	C	D	E=A*B*C*D
			Quantity	Master Rate	Multiplication factor	Weighting factor 1	Amount (Rands)
1	Dismantling of processing plant and related structures (including overland conveyors and powerlines)	m3	1000	R 21.94	1	1	R 21 937.97
2 (A)	Demolition of steel buildings and structures	m2	160	R 305.66	1	1	R 48 905.27
2(B)	Demolition of reinforced concrete buildings and structures	m2	60	R 450.44	1	1	R 27 026.55
3	Rehabilitation of access roads	m2	4 000	R 54.70	1	1	R 218 808.28
4 (A)	Demolition and rehabilitation of electrified railway lines	m		R 530.87	1	1	R -
4 (A)	Demolition and rehabilitation of non-electrified railway lines	m		R 289.57	1	1	R -
5	Demolition of housing and/or administration facilities	m2		R 611.30	1	1	R -
6	Opencast rehabilitation including final voids and ramps	ha	0.25	R 311 122.42	1	1	R 77 780.61
7	Sealing of shafts adits and inclines	m3		R 164.09	1	1	R -
8 (A)	Rehabilitation of overburden and spoils	ha	0.625	R 213 635.25	1	1	R 133 522.03
8 (B)	Rehabilitation of processing waste deposits and evaporation ponds (non-polluting potential)	ha	2.3	R 266 078.85	1	1	R 611 981.35
8 (C)	Rehabilitation of processing waste deposits and evaporation ponds (polluting potential)	ha		R 772 819.08	1	1	R -
9	Rehabilitation of subsided areas	ha		R 28 524.32	1	1	R -
10	General surface rehabilitation	ha	0.0633	R 169 235.15	1	1	R 10 712.58
11	River diversions	ha		R 169 235.15	1	1	R -
12	Fencing	m		R 193.05	1	1	R -
13	Water management	ha		R 64 347.96	1	1	R -
14	2 to 3 years of maintenance and aftercare	ha	6.4197	R 22 521.80	1	1	R 144 583.17
15 (A)	Specialist study	Sum				1	R -
15 (B)	Specialist study	Sum				1	R -
<b>Sub Total 1</b>							<b>R 1 295 257.80</b>
1	Preliminary and General	R	155 430.94	<b>weighting factor 2</b> 1		R	155 430.94
2	Contingencies	R		129 525.78		R	129 525.78
<b>Subtotal 2</b>							<b>R 1 580 214.52</b>
<b>VAT (14%)</b>							<b>R 221 230.03</b>
<b>Grand Total</b>							<b>R 1 801 444.55</b>

**CALCULATION OF THE QUANTUM**

Applicant:

**SUPERMIX MINING (PTY) LTD**  
Forecast for year 2026

Location:

**NOOITGEDACHT 66**  
Sep-17

No.	Description	Unit	A	B	C	D	E=A*B*C*D
			Quantity	Master Rate	Multiplication factor	Weighting factor 1	Amount (Rands)
1	Dismantling of processing plant and related structures (including overland conveyors and powerlines)	m3	1000	R 23.25	1	1	R 23 254.24
2 (A)	Demolition of steel buildings and structures	m2	160	R 324.00	1	1	R 51 839.59
2(B)	Demolition of reinforced concrete buildings and structures	m2	60	R 477.47	1	1	R 28 648.14
3	Rehabilitation of access roads	m2	4 000	R 57.98	1	1	R 231 936.77
4 (A)	Demolition and rehabilitation of electrified railway lines	m		R 562.72	1	1	R -
4 (A)	Demolition and rehabilitation of non-electrified railway lines	m		R 306.94	1	1	R -
5	Demolition of housing and/or administration facilities	m2		R 647.98	1	1	R -
6	Opencast rehabilitation including final voids and ramps	ha	0.25	R 329 789.77	1	1	R 82 447.44
7	Sealing of shafts adits and inclines	m3		R 173.94	1	1	R -
8 (A)	Rehabilitation of overburden and spoils	ha	0.625	R 226 453.36	1	1	R 141 533.35
8 (B)	Rehabilitation of processing waste deposits and evaporation ponds (non-polluting potential)	ha	2.3	R 282 043.58	1	1	R 648 700.23
8 (C)	Rehabilitation of processing waste deposits and evaporation ponds (polluting potential)	ha		R 819 188.23	1	1	R -
9	Rehabilitation of subsided areas	ha		R 30 235.78	1	1	R -
10	General surface rehabilitation	ha	0.0633	R 179 389.26	1	1	R 11 355.34
11	River diversions	ha		R 179 389.26	1	1	R -
12	Fencing	m		R 204.63	1	1	R -
13	Water management	ha		R 68 208.84	1	1	R -
14	2 to 3 years of maintenance and aftercare	ha	6.4197	R 23 873.10	1	1	R 153 258.16
15 (A)	Specialist study	Sum				1	R -
15 (B)	Specialist study	Sum				1	R -
<b>Sub Total 1</b>							<b>R 1 372 973.27</b>
1	Preliminary and General	R	164 756.79	<b>weighting factor 2</b> 1		R	164 756.79
2	Contingencies	R		137 297.33		R	137 297.33
<b>Subtotal 2</b>							<b>R 1 675 027.39</b>
<b>VAT (14%)</b>							<b>R 234 503.83</b>
<b>Grand Total</b>							<b>R 1 909 531.22</b>

**CALCULATION OF THE QUANTUM**

Applicant:

**SUPERMIX MINING (PTY) LTD**  
Forecast for year 2027

Location:

**NOOITGEDACHT 66**  
Sep-17

No.	Description	Unit	A	B	C	D	E=A*B*C*D
			Quantity	Master Rate	Multiplication factor	Weighting factor 1	Amount (Rands)
1	Dismantling of processing plant and related structures (including overland conveyors and powerlines)	m3	1000	R 24.65	1	1	R 24 649.50
2 (A)	Demolition of steel buildings and structures	m2	160	R 343.44	1	1	R 54 949.97
2(B)	Demolition of reinforced concrete buildings and structures	m2	60	R 506.12	1	1	R 30 367.03
3	Rehabilitation of access roads	m2	4 000	R 61.46	1	1	R 245 852.98
4 (A)	Demolition and rehabilitation of electrified railway lines	m		R 596.49	1	1	R -
4 (A)	Demolition and rehabilitation of non-electrified railway lines	m		R 325.36	1	1	R -
5	Demolition of housing and/or administration facilities	m2		R 686.86	1	1	R -
6	Opencast rehabilitation including final voids and ramps	ha	0.25	R 349 577.15	1	1	R 87 394.29
7	Sealing of shafts adits and inclines	m3		R 184.37	1	1	R -
8 (A)	Rehabilitation of overburden and spoils	ha	0.625	R 240 040.56	1	1	R 150 025.35
8 (B)	Rehabilitation of processing waste deposits and evaporation ponds (non-polluting potential)	ha	2.3	R 298 966.19	1	1	R 687 622.24
8 (C)	Rehabilitation of processing waste deposits and evaporation ponds (polluting potential)	ha		R 868 339.52	1	1	R -
9	Rehabilitation of subsided areas	ha		R 32 049.92	1	1	R -
10	General surface rehabilitation	ha	0.0633	R 190 152.61	1	1	R 12 036.66
11	River diversions	ha		R 190 152.61	1	1	R -
12	Fencing	m		R 216.91	1	1	R -
13	Water management	ha		R 72 301.37	1	1	R -
14	2 to 3 years of maintenance and aftercare	ha	6.4197	R 25 305.49	1	1	R 162 453.65
15 (A)	Specialist study	Sum				1	R -
15 (B)	Specialist study	Sum				1	R -
<b>Sub Total 1</b>							<b>R 1 455 351.66</b>

1	Preliminary and General	R	174 642.20	<b>weighting factor 2</b>	R	174 642.20	
2	Contingencies	R		1	R	145 535.17	
<b>Subtotal 2</b>							<b>R 1 775 529.03</b>
<b>VAT (14%)</b>							<b>R 248 574.06</b>
<b>Grand Total</b>							<b>R 2 024 103.09</b>

### 10.1.2 Socio Economic impact cost estimate

(Refer to the guidelines on community consultation, and the scoping report template. Estimate the risk of compensation to persons whose socio-economic conditions may be directly affected by the mining operation. Provide the estimated total under this heading and also below in the environmental cost category).

More than R 360 000 annually.

Includes the larger amount of R 30 000 per month or 5% of profit of current month.

### 10.1.3 Summary of estimated environmental cost: complete the table below.

#### Estimated Environmental and Rehabilitation cost

CATEGORY	COST ESTIMATE
<b>a) Progressive total for rehabilitation</b>	<b>R 2 024 103</b>
<b>b) Cost to mitigate socio-economic conditions of directly affected persons</b>	<b>R 360 000</b>
<b>TOTAL COSTS</b> (Transfer amount to cash flow forecast – Line 7 Year 1 only)	<b>R 2 384 103</b>

**10.2 Other Regulatory Costs (complete the table below)**

<b>Cost</b>	<b>Amount per annum</b>	<b>Explanation on how amount was calculated.</b>
<b>Royalties</b>	R 0	Royalties already included in 10.1.2 above
<b>Mine Health and Safety Regulations</b>	R 100 000	Budget for Mine health and safety equipment as Safety officer already appointed (see 9.2 above)
<b>Occupational Health</b>	R 0	OHS Practitioner appointed under service providers (see 9.2 above)
<b>Rates and Taxes</b>	R 0	
<b>National Skills fund</b>	R 54 880	1% of annual Salaries
<b>Other: Specify</b>		
<b>Other: Specify</b>		
<b>Other: Specify</b>		
<b>Other: Specify</b>		
<b>TOTAL COSTS</b> (include amount into the cash flow forecast – Line 7)	R 154 880	

The costs thus derived must be clearly explained and used to justify the numbers that are reflected in line item 7 of the cash flow forecast required in terms of Regulation 11(1)(g)(vi).

## 11. REGULATION 11(1)(g)(viii): PROVISIONS FOR THE EXECUTION OF THE SOCIAL AND LABOUR PLAN

11.1 The following table must be duplicated here from the table in SECTION 5: FINACIAL PROVISION of the Social and Labour Plan

### ESTIMATED EXPENDITURE ON THE SOCIAL AND LABOUR PLAN IN A 10 YEAR PERIOD

ITEM	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6	YEAR 7	YEAR 8	YEAR 9	YEAR 10
HUMAN RESOURCE DEVELOPMENT	R 120 000	R 126 000	R 132 300	R 138 915	R 145 861	R 153 154	R 160 811	R 168 852	R 177 295	R 186 159
LOCAL ECONOMIC DEVELOPMENT	R 70 000	R 73 500	R 77 175	R 81 034	R 85 085	R 89 340	R 93 807	R 98 497	R 103 422	R 108 593
MANAGEMENT OF DOWNSCALING	R 10 000	R 10 500	R 11 025	R 11 576	R 12 155	R 12 763	R 13 401	R 14 071	R 14 775	R 15 513
ESTIMATED TOTALS PER YEAR	R 200 000	R 210 000	R 220 500	R 231 525	R 243 101	R 255 256	R 268 019	R 281 420	R 295 461	R 310 266

The costs quantified in the aforesaid categories must justify the numbers that are reflected in line item 8 of the cash flow required in terms of Regulation 11(1)(g)(vi).

## **12.REGULATION 11(1)(g)(iv): DETAILS REGARDING OTHER RELEVANT COSTING, CAPITAL EXPENDITURE REQUIREMENTS AND EXPECTED REVENUE APPLICABLE TO THE PROPOSED MINING OPERATION.**

### **12.1 Expected Revenue**

**12.1.1 Explanation of revenue determination.** (given the prices of the various relevant products and byproducts produces) how the price referred to in item 5.9 above, and the production referred to in item 6.1.4 above was arrived at and applied to each year's production estimate in order to estimate revenue.

The following minerals will be mined on this property under this mining right.

- Diamonds
- Alluvial boulders, cobbles & pebbles
- Alluvial Sand

The primary mineral being mined is diamonds. The estimated diamond bearing gravel resource is 1.8 million tons with an average of 1 carats per 100 tons. This calculates to about 18 000 carats of diamonds.

After the diamonds have been recovered the remaining materials, i.e. alluvial boulders, cobbles, pebbles and sand will further be loaded, hauled and treated by Supermix Mining (Pty) Ltd.

The following products will be extracted from the gravel:

- Diamond ore < 100%
- Boulders less than 250 mm < 30 %
- Cobbles and pebbles < 30 %
- Sand > 40 %

Diamonds: 1000 USD per carat at current exchange rate of R13.32 per USD the price to be used in the current cash flow forecast will be the minimum of R13320 per carat of diamonds sold.

- Sand (1mm to 4mm) at R180 per m<sup>3</sup>
- Crusher dust (4mm to 12mm) at R220 per m<sup>3</sup>
- Rock (12mm to 20mm) R200 per m<sup>3</sup>

Production quantities stated in above table at 6.1.4. is used.  
Annual escalation of 7.5% is used in the cash flow forecast which includes USD/ZAR fluctuations as well as diamond price escalations.

**12.1.2 Revenue Forecast** (for each year over the full period applied for based on the above explanations. Note that this revenue estimate must be stated both here and in Line item 3 of the cash flow forecast required below in terms of Regulation 11(1)(g)(vi).

	Diamonds			Sand			Crusher dust			Stone			Total (R)
	Production (cpht)	Unit Price (R)	Total (R)	Production (m3)	Unit Price (R)	Total (R)	Production (m3)	Unit Price (R)	Total (R)	Production (m3)	Unit Price (R)	Total (R)	
Year 1	1 430	13 320	19 047 600	35 750	180	6 435 000	26 813	220	5 898 750	26 813	200	5 362 500	36 743 850
Year 2	2 860	14 319	40 952 340	71 500	189	13 513 500	53 625	231	12 387 375	53 625	210	11 261 250	78 114 465
Year 3	2 860	15 393	44 023 766	71 500	198	14 189 175	53 625	243	13 006 744	53 625	221	11 824 313	83 043 997
Year 4	2 860	16 547	47 325 548	71 500	208	14 898 634	53 625	255	13 657 081	53 625	232	12 415 528	88 296 791
Year 5	2 860	17 788	50 874 964	71 500	219	15 643 565	53 625	267	14 339 935	53 625	243	13 036 305	93 894 769
Year 6	2 860	19 123	54 690 586	71 500	230	16 425 744	53 625	281	15 056 932	53 625	255	13 688 120	99 861 382
Year 7	2 860	20 557	58 792 380	71 500	241	17 247 031	53 625	295	15 809 778	53 625	268	14 372 526	106 221 715
Year 8	2 860	22 099	63 201 809	71 500	253	18 109 382	53 625	310	16 600 267	53 625	281	15 091 152	113 002 611
Year 9	2 860	23 756	67 941 944	71 500	266	19 014 852	53 625	325	17 430 281	53 625	295	15 845 710	120 232 786
Year 10	2 860	25 538	73 037 590	71 500	279	19 965 594	53 625	341	18 301 795	53 625	310	16 637 995	127 942 974

**12.2 Estimated Capital Expenditure**

**12.2.1 Initial capital expenditure**

(List of expenditure on the initial capital expenditure items)

Nooitgedacht mine is an existing mine with infrastructure. Thus, no capital expenditure is required for production.

**12.2.2 Ongoing capital expenditure** (A discussion on ongoing capital expenditure items and estimated amount thereof in each of the years in which it will be incurred)

All the partners in this joint venture has all the necessary equipment to keep the mine operational for the next 10 years. Therefore, we don't foresee any additional capital expenditure at this stage.

**12.2.3 Summary, in a 10-year tabular format.** (Stating the initial, ongoing, and total amount of capital expenditure in each of the first ten years in which it will be incurred.)

Year	Initial capital expenditure	Ongoing capital expenditure
1	R 0	R 0
2	R 0	R 0
3	R 0	R 0
4	R 0	R 0
5	R 0	R 0
6	R 0	R 0
7	R 0	R 0
8	R 0	R 0
9	R 0	R 0
10	R 0	R 0

**12.3 Explanation and summary of other costs.** (Not addressed elsewhere in the mining work programme, in each year in which they are to be incurred.)  
All costs have been dealt with previously in this document.

**12.4 Summary of capital and other costs.** Complete the table below

**SUMMARY OF CAPITAL AND OTHER EXPENDITURE**

CATEGORY	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6	YEAR 7	YEAR 8	YEAR 9	YEAR 10
Initial capital expenditure	R 0	R 0	R 0	R 0	R 0	R 0	R 0	R 0	R 0	R 0
Ongoing capital expenditure	R 0	R 0	R 0	R 0	R 0	R 0	R 0	R 0	R 0	R 0
Other costs specified in 12.3 above	R 0	R 0	R 0	R 0	R 0	R 0	R 0	R 0	R 0	R 0
<b>TOTAL CAPITAL AND OTHER</b> (To be reflected in the cash flow forecast)	R 0	R 0	R 0	R 0	R 0	R 0	R 0	R 0	R 0	R 0

(Note! These total amounts must be transferred to Line item 9 of the cash flow forecast required in terms of Regulation 11(1)(g)(vi) below.)

**13. REGULATION 11(1)(g)(vi): A DETAILED CASH FLOW FORECAST AND VALUATION, EXCLUDING FINANCING OF THE PROPOSED MINING OPERATION, WHICH FORECAST MUST ALSO CLEARLY INDICATE HOW THE APPLICABLE REGULATORY COSTS WILL BE ACCOMMODATED THEREIN.**

(The following cash flow forecast must be submitted in accordance with the line items provided. The applicant may not change the line items or their sequence. The applicant may, however provide for escalation within accepted practice, and proved other indicators such as IRR in addition.)

<b>CASH FLOW FORECAST AND VALUATION (REGULATION 11(g)(vi))</b>												
		Y1 R'000	Y2 R'000	Y3 R'000	Y4 R'000	Y5 R'000	Y6 R'000	Y7 R'000	Y8 R'000	Y9 R'000	Y10 R'000	TOTAL R'000
<b>1</b>	<b>REGULATIONS 11 (1)(d) AND (f) – PRODUCTION Carats</b>	1430	2860	2860	2860	2860	2860	2860	2860	2860	2860	
<b>2</b>	<b>REGULATION 11(1)(e) – PRICE</b>	13.32	14.32	15.39	16.55	17.89	19.12	20.56	22.10	23.56	25.54	
<b>3</b>	<b>REVENUE DIAMONDS</b>	19 047	40 952	44 023	47 325	50 874	54 690	58 792	63 201	67 941	73 037	519 888
	<b>REVENUE SAND</b>	6 435	13 513	14 189	14 898	15 643	16 425	17 247	18 109	19 014	19 965	155 442



	<b>REVENUE CRUSHER DUST</b>	5 898	12 387	13 006	13 657	14 339	15 056	15 809	16 600	17 430	18 301	142 488
	<b>REVENUE STONE</b>	5 362	11 261	11 824	12 415	13 036	13 688	14 372	15 091	15 845	16 637	129 535
	<b>REVENUE Total</b>	36 743	78 114	83 043	88 296	93 894	99 861	106 221	113 002	120 232	127 942	947 355
4	<b>REGULATION 11(1)(g)(i) – MINING COST</b>	4 789	9 572	10 050	10 553	11 081	11 635	12 216	12 827	13 469	14 142	110 333
5	<b>REGULATION 11(1)(g)(ii) – TECHNOLOGY COST</b>	963	1 821	1 905	1 993	2 085	2 181	2 283	2 389	2 501	2 618	20 739
6	<b>REGULATION 11(1)(g)(iii) – TECHNICAL SKILLS COST</b>	6 104	6 409	6 729	7 066	7 419	7 790	8 179	8 588	9 018	9 469	76 771
7	<b>REGULATION 11(1)(g)(iv) – REGULATORY REQUIREMENTS</b>	-	-	-	-	-	-	-	-	-	-	-
	<b>ENVIRONMENTAL COST</b>	1 198	1 269	1 346	1 426	1 512	1 603	1 699	1 801	1 910	2 024	2 024
8	<b>REGULATION 11(1)(g)(viii) – SOCIAL AND LABOUR PLAN COST</b>	200	210	220	231	243	255	268	281	295	310	2 513
9	<b>REGULATION 11(1)(G)(V) – CAPITAL AND OTHER</b>	-	-	-	-	-	-	-	-	-	-	-
10	<b>WORKING PROFIT/LOSS</b>	23 489	58 833	62 793	67 027	71 554	76 398	81 576	87 116	93 039	99 379	734 968
11	<b>TAX</b>	11 744	29 416	31 397	33 514	35 777	38 199	40 788	43 558	46 520	49 690	367 484
12	<b>NET CASH FLOW</b>	11 744	29 416	31 397	33 514	35 777	38 199	40 788	43 558	46 520	49 690	367 484
13	<b>DISCOUNTED CASH FLOW</b>	9 983	25 004	26 687	28 486	30 411	32 469	34 670	37024	39 542	42 236	312 361

**The Applicant may provide for escalation, based on accepted practice, and may provide other indicators such as IRR.**

**14.REGULATION 11(1)(g)(vii): DETAILS REGARDING THE APPLICANTS RESOURCES OR PROPOSED MAECHANISMS TO FINANCE THE PROPOSED MINING OPERATION, AND DETAISLREGARDING THE IMPACT OF SUCH FINANCING ARRANGEMENTS ON THE CASH FLOW FORECASTE.**

**14.1 Financing the cash flow**

(Provide in tabular format and explanation of how the cash flow will be financed, showing the amounts, the type of financing, e.g. Loans, equity, retained earnings etc, as well as the impact of financing on the cash flow in terms of financial arrangements and repayments.)

The mine is already operational, no initial capital expenditure is required and all further costs will be paid from diamonds and the other minerals produced.

**14.2 Detail regarding the financing arrangements**

(Elaborate on the financing arrangements that are described in item 14.1 above, in terms of where the finance will be sourced, extent to which the financing has been finalized and on the level of certainty that such financing can be secured.)

The mine is already operational, no initial capital expenditure is required and all further costs will be paid from diamonds and the other minerals produced.

**14.3 Confirmation of supporting evidence appended.**

(Attach evidence of available funding and or financing arrangements such as balance sheets, agreements with financial institutions, underwriting agreements etc. and **specifically confirm** in the regard what documentation has been attached as appendices.)

**15.REGULATION 11(1)(h): UNDERTAKING, SIGNED BY THE APPLICANT, TO ADHERE TO THE PROPOSALS AS SET OUT IN THE MINING WORK PROGRAMME.**

Herewith I, the person whose name and identity number is stated below, confirm that I am the Applicant or the person authorised to act as representative of the Applicant in terms of the resolution submitted with the application, and undertake to implement this mining work programme and adhere to the proposals set out herein.

<b>Full Names and Surname</b>	
<b>Identity Number</b>	