



## FORM B: CAPITAL APPLICATION

PROJECT NAME: MINE PLANNING SOFTWARE  
PROJECT LEADER: JOSEPH RWAGATARE CONS. ASS. NO.: \_\_\_\_\_  
DATE: 18/07/2024 CA NO.: \_\_\_\_\_

### A PROJECT DESCRIPTION

Deswik software is a specialized tool set for the mining industry, offering a comprehensive range of tools for mine planning, design, scheduling, and geological data management. It enables engineers and geologists to create detailed mine designs, optimize production schedules, manage geological data effectively, and simulate various mining scenarios for better decision-making. With advanced visualization capabilities and integration with other mining software, Deswik supports efficient workflow management from exploration through to production, helping mining operations improve productivity, reduce costs, and enhance operational efficiency and improving design accuracy, and ultimately contributing to increased productivity in underground mining operations.

### B MOTIVATION

Ref Number	Fin 02/Form B	Date of Implementation	01 August 2013
Version	02	Date of last revision	20 June 2022



Bara Consulting (Pty) Ltd

PO Box 496

Cresta

2118 South Africa

25 June 2024

**Trinity Metals**

PO Box 6132

Kigali

Rwanda

**Attention: Mr Calvin Whitford**

Dear Sir

**RE: MOTIVATION FOR PURCHASE OF MINE PLANNING SOFTWARE**

The Trinity Metals Group recently consolidated the three operating mines, Rutongo Mines, Nyakabingo Mines and Musha Mines into a single operating mining group. Trinity is in the process of modernising the mining and processing operations, which were initially established during colonial times, to bring them in line with modern mining operations. To this end Trinity has engaged a number of technical consultants to assist with this process.

EY have been engaged to produce a Mineral Resource Estimate. This estimate will be prepared using modern resource estimation methodologies including applying modern

Ref Number	Fin 02/Form B	Date of Implementation	01 August 2013
Version	02	Date of last revision	20 June 2022



geostatistical methods to the estimation of grade and tonnage, the result of which will be three-dimensional block models representing the various orebodies.

Trinity have engaged Bara Consulting to develop life of mine plans based on the Mineral Resources. Bara are in the process of developing the mine plans. The life of mine plans are being developed using Deswik®, which is a computer aided design (CAD) mine design and scheduling tool which is commonly used throughout the industry. A number of similar tools exist such as Datamine Studio, Surpac, Vulcan and Micromine. Bara have selected Deswik as our planning tool of choice for a number of reasons including:

1. It offers the full range of tools for doing short term, medium and long term planning.
2. It includes modules for open pit and underground design and scheduling.
3. It interfaces well with most other CAD packages.
4. The backup service from their international offices based in most mining jurisdictions is good.

The Trinity mines currently do their short, medium and long term planning manually making use of the plotted survey plans and MS-Excel for presenting the plans. Currently no geospatial grade estimation is included in the plans, in that a global (constant) grade is applied to an area or block of ground. Once the geological block models are available it will be possible to evaluate the planned mining areas based on the modelled grades and produce significantly more accurate and representative mine plans. This can only be done with a computerised planning tool.

The use of a computerised planning tool allows the short, medium and long term planning to be integrated and enables scenario analyses to be done by reducing the time required to produce different plans.

Another useful aspect of the planning software is reconciliation of mined reserves against plan. If the planning tool is combined with 3-D survey capability the mined areas can be evaluated against the block model and the modelled tonnage and grade

Ref Number	Fin 02/Form B	Date of Implementation	01 August 2013
Version	02	Date of last revision	20 June 2022



**TRINITY**  
**METALS**

can be compared to the actual tonnage and metal content recorded. This allows for improved metal accounting.

Trinity has aspirations to list on an international stock exchange some time in the future. Normally companies doing due diligence on mining companies require computerised mine plans which support the business plan. Not having these available to potential investors could be seen as a risk.

Bara therefore recommend that Trinity make the investment in mine planning software and the training required to provide they key personnel with the skills to use these tools. It is our opinion that this will have a positive impact on the operation from short term planning to budgeting to the presentation of life of mine plans.

While there are a number of packages which would be suitable Bara can recommend the Deswik® suite based on our own experience of using this software in numerous situations and on numerous types of mining applications.

Yours faithfully



Clive Brown

Principal Mining Engineer and Director

Ref Number	Fin 02/Form B	Date of Implementation	01 August 2013
Version	02	Date of last revision	20 June 2022

<b>C COSTING SELECTED OPTION</b>				
<b>24-1407-Q3 - Deswik Suite Software and Associated Training</b>				
Type	Item	Units	Rate	Total
<b>Trinity Metals - Head Office</b>				
12 Month Subscription	Deswik.Spatial	1	10,070	10,070
	Deswik.Planning	1	12,560	12,560
Support & Maint	<i>Included in the Subscription/Rental</i>			-
Training	1.01 - Deswik.Getting Started (Free Online)	0.25	-	-
	1.02 - Deswik.CAD Essentials (Free Online)	1	-	-
	1.03 - Deswik.Sched Essentials (Free Online)	1	-	-
	4.02 - Design for Underground Metals	2	1,400	2,800
	4.03 - Deswik.IS for Underground Metals	2	1,400	2,800
<b>Total (USD)</b>				<b>28,230</b>

<b>BUDGET IN 5-YEAR PLAN</b>	
<b>VARIANCE</b>	

<b>D RISK ASSESSMENT</b>
<p>Due to lack of Mining Planning Software, Trinity is at risk of not optimizing their mining planning operations for short, medium and long term planning. Due to the Trinity has aspirations to list on an international stock exchange some time in the future. Normally companies doing due diligence on mining companies require computerised mine plans which support the business plan. Not having these available to potential investors could be seen as a risk.</p>



Ref Number	Fin 02/Form B	Date of Implementation	01 August 2013
Version	02	Date of last revision	20 June 2022



# TRINITY

METALS



Non Applicable to this project

F	COMMENTS
<b>SUPERVISOR/Manager</b> WISDOM TICHANDA MUGWAGWA 	THE INCEPTION OF DESWIK WILL DEFINITELY BRING EFFICIENCY IN OUR OPERATIONS THROUGH PROPER PLANNING AND SCHEDULING
<b>Group Technical Service Manager</b> CALVIN WHITFORD 	A GOOD BASIC PACKAGE FOR MINE PLANNING WHICH IS ALIGNED WITH THE SOFTWARE OF OUR PLANNING CONSULTANT - BARRA

Ref Number	Fin 02/Form B	Date of Implementation	01 August 2013
Version	02	Date of last revision	20 June 2022



# TRINITY METALS

<b>FINANCE SUPERITENDENT</b>	
<b>GENERAL MANAGER</b>	
<b>GROUP FINANCE</b>	<p>09/08/2024 please install mine payroll</p>
<b>CEO</b>	<p>Approved</p>  <p>P. Lwiza CEO</p> <p>28/08/2024</p>



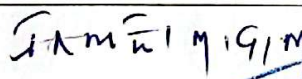


Ref Number	Fin 02/Form B	Date of Implementation	01 August 2013
Version	02	Date of last revision	20 June 2022



# TRINITY

METALS

DIRECTOR	
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G	APPROVAL
SUPERVISOR/Manager	<p>WISDOM TICH AONA MUGWAGWA</p> 
Group Technical Service Manager	<p>CAVIN WRIGHT</p> 
FINANCE SUPERITENDENT	
GENERAL MANAGER	<p>JAMES MUGWAGWA</p> 
GROUP FINANCE	 

Ref Number	Fin 02/Form B	Date of Implementation	01 August 2013
Version	02	Date of last revision	20 June 2022



# TRINITY METALS

CEO	A preferred way of SYSTEM is by outline.
BOARD	

**NOTE: attach additional quotes or supporting documents if necessary**

Ref Number	Fin 02/Form B	Date of Implementation	01 August 2013
Version	02	Date of last revision	20 June 2022