

FORM B: CAPITAL APPLICATION

PROJECT NAME: Nyakabingo Mine - Water Treatment Plant
 PROJECT LEADER: Sam Ryumugabe CONS. ASS. NO.: _____
 DATE: June 20, 2025 CA NO.: _____

A	PROJECT DESCRIPTION
	<p>Acid mine drainage is causing environmental problem at Nyakabingo mine. This is caused by the oxidation of sulfide minerals present in the ore body such as pyrites and arsenopyrites leading to the acidic water contaminated with heavy metals. These acid water and heavy metals are potentially discharged into the Nyakabingo river. Building this water treatment plant ensures that optimization of current lime dosing will prevent further water pollution, especially the natural springs close to the communities, reduces heavy metal contamination (arsenic, lead and mercury) which are harmful to humans, plants and animals. By also building this water treatment plant we meet the environmental regulations regarding the effluent discharge limits and also enhance our company's reputation. The water treated from this plant will also be recycled back to the mine as process water, which is being used for the drilling, panning and sluicing so this also prevents health damage to the company's employees and prevents damage to our supply water pumps and other equipment that uses this water.</p>

B	MOTIVATION
	<p>During the inception of the project, very little information was available with regards to what would be required, and a high-level budget was prepared. However, as implementation of the project began and more consultations took place, we realized that some critical measurement tools for accuracy and efficiency purposes were not considered. These are flowmeters and inline PH meters. Therefore, these increased the budget, and it is the reason we request amendment of the capital required for this important project</p>

Ref Number		Date of Implementation	
Version		Date of last revision	

67 15

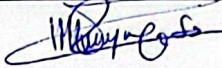
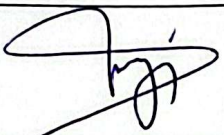
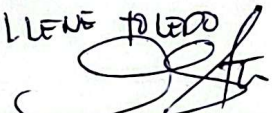


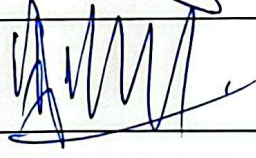
C		SELECTED COSTING OPTION		
EQUIPMENT LIST	QUANTITY	UNIT	UNIT PRICE (USD)	PRICE (USD)
Costing				
Equipments (see attached budget)				46,789
Sub Total				46,789
15% Contingency (subject to approval by CFO and COO)				7018
TOTAL				53,807.23

D	RISK ASSESSMENT
	<p>1.) Funds-delay or unavailability of funds will worsen the environmental problems and the risks of health problems. Costs of equipment usage will also increase due to the corrosion capabilities of the water which affects the pumps, pipes and the drilling machines at the mine.</p> <p>a. Mitigation – Revised capital application to mitigate shortcomings</p> <p>2.) Construction failure</p> <p>a. Mitigation – hired a competent civil engineer to conduct geotech studies and design the structure ensure stability of the ground and strength of the structure.</p> <p>3.) Method failure</p> <p>a. Mitigation - Conducted laboratory test on the application of lime and flocculants for pH neutralization and sediments settling.</p>

E	PROJECT SCHEDULE
	- Unless otherwise, construction of the water treatment plant will take 2 months.

Ref Number		Date of Implementation	
Version		Date of last revision	

Handwritten signature/initials



F	COMMENTS
HOD	Sam Ryumugabe – Group Sustainability Manager  June 20, 2025
GENERAL MANAGER/GM	 26/06/2025
GROUP FINANCE CONTROLLER	LENE TO LEAD  UNBURGERO 23/6/2025
GROUP LEGAL COUNSEL & COMPLAINE OFFICER	 25/06/2025
GROUP SUPPLY CHAIN MANAGER	Jesme Sande 23/06/2025 23/06/2025
COO	ST. Ryan  — 25/06/25
CFO	 27/6/2025

Ref Number		Date of Implementation	
Version		Date of last revision	

ID	Description	GL Account	UOM	Order Qty	Unit Cost	Estimated Total (FRW)	Cost in USD
1	Clinker brick (71*115*240) mm -30000	2233-200	EA	1	200,000	200,000	142.86
2	25MPa daga MIX	2233-200	EA	1	70,000	70,000	50.00
3	Brick force	2233-200	EA	1	30,000	30,000	21.43
4	182diameter HDPE tank (5000l)	2233-200	EA	2	450,000	900,000	642.86
5	221diameter HDPE tank (10000l)	2233-200	EA	4	900,000	3,600,000	2,571.43
6	Galvanized Rectangular Gutter 0.4*120*150mm*7.0m	2233-200	EA	4	900,000	3,600,000	2,571.43
7	diameter 125mm HDPE pipe-m	2233-200	EA	1	70,000	70,000	50.00
8	90 degree bend for diameter 125mm HDPE pipe	2233-200	EA	2	100,000	200,000	142.86
9	Y-Piece for diameter HDPE pipe	2233-200	EA	1	100,000	100,000	71.43
10	Flow regulating valve	2233-200	EA	4	150,000	600,000	428.57
11	25MPa/19mm concrete	2233-200	EA	35	50,000	1,750,000	1,250.00
12	A4 Bidum	2233-200	EA	700	20,000	14,000,000	10,000.00
13	245Mesh	2233-200	EA	160	40,000	6,400,000	4,571.43
14	S355JR 90 degree bend	2233-200	EA	4	70,000	280,000	200.00
15	12mm Steel base plate (0.2*o.4m)	2233-200	EA	2	100,000	200,000	142.86
16	M16 Lock Nut bolts	2233-200	EA	12	30,000	360,000	257.14
17	Steel Locking Washer	2233-200	EA	12	51,621	619,452	442.47
18	Grade S355JR, IPE120 (L=2.1m)	2233-200	EA	4	100,000	400,000	285.71
19	Grade S355JR, IPE140 (L=2.3m)	2233-200	EA	8	350,000	2,800,000	2,000.00
20	Grade S355JR, RHS (L=0.456)	2233-200	EA	40	150,000	6,000,000	4,285.71
21	Agitator (impeller diameter = 0.8 m, shaft length = 1.54m, shaft diameter = 50mm, with 2.2KW motor and 100 rpm gearbox	2233-200	EA	2	2,000,000	4,000,000	2,857.14
22	VSD for a 2.2 KW motor	2233-200	EA	2	4,000,000	8,000,000	5,714.29
23	Yokogawa inline pH and ORP meter with 3 m cable for the ORP and pH probes	2233-200	EA	1	7,025,000	7,025,000	5,017.86
24	Flowmeter	2233-200	EA	1	4,300,000	4,300,000	3,071.43
Sub-total (FRW)						65,504,452	46,789
Contingency (15%)						9,825,668	7,018
Grand total						75,330,120	53,807.23



TRINITY METALS

G APPROVAL	
CEO	Approves :  27/06/2025.
BOARD	

Ref Number		Date of Implementation	
Version		Date of last revision	

HN