



FORM B: CAPITAL APPLICATION

PROJECT NAME: Nyamyumba Plant Mobile crusher modification

PROJECT LEADER: Ronald Toledo **CONS. ASS. NO.:** _____

DATE: June 23, 2025 **CA NO.:** _____

A	PROJECT DESCRIPTION
	This project is for the Nyamyumba plant mobile crusher modification. The aim of the project is to reduce the downtime caused by the premature wearing of the conveyor belts which is due to the poor maintenance, misalignment and incorrect roller specifications. This also includes replacing the current vibrating grizzly feeder with the Musha grizzly feeder which only uses a vibrating motor. The new grizzly feeder will be installed at the feed side of the plant replacing the current feed bin and the existing jaw crusher will be removed from the mobile crusher structure and installed adjacent to the new grizzly feeder.

B	MOTIVATION
	The Nyamyumba plant crushing circuit is currently not in good condition contributing most of the breakdowns of the plant. This is due to its age and also due to the poor maintenance. The conveyors rollers and brackets are already worn out and bent. CV3 which is located underneath 3 equipment such as grizzly feeder, jaw crusher and cone crusher is the most difficult conveyor to maintain due to its location and very limited space for inspection. This also presents an unsafe environment for the maintenance team to work due to very limited space. The current grizzly feeder is also showing frequent breakdown. It has 4 bearings and 4 gears which also starts to wear at a faster rate. 2 bearings have been replaced for the past 6 months already and the other 2 are due for replacement in 1 month. Inspecting/replacing the internal parts takes around 10 hours.



This modification will reduce unnecessary downtime caused by the current grizzly feeder and conveyor belts. This will also improve the preventive maintenance of the crushing circuit and will also significantly reduce the spillages at the mobile crusher area.

C		COSTING SELECTED OPTION			
#	Description	Qty	Unit	Unit cost, USD	Total Cost, USD
1	Cement	55	bag	\$ 8.52	\$ 472.35
2	River Sand	2	m3	\$ 24.85	\$ 57.40
3	16mm reinforced bar (corrugated)	16	pcs	\$ 26.98	\$ 431.68
4	Aggregate/gravel	3	m3	\$ 28.40	\$ 98.41
5	H-Beam (200x200x10mm)	17	pcs	\$ 781.00	\$ 13,277.00
6	Angle Iron (100x100x10mm)	10	pcs	\$ 177.50	\$ 1,775.00
7	C-channel (100x60x10mm)	10	pcs	\$ 177.50	\$ 1,775.00
8	Welding rods, cutting discs, Oxy acetylene (estimate)	1	pc	\$ 1,000.00	\$ 1,000.00
9	Electrical cable (4x35mm2)	40	m	\$ 31.95	\$ 1,278.00
10	Electrical cable (4x10mm2)	40	m	\$ 9.59	\$ 383.40
11	Contactors, switch buttons, circuit breakers	1	pc	\$ 1,000.00	\$ 1,000.00
12	Cranage	2	trips	\$ 1,000.00	\$ 2,000.00
13	Troughing roller (500mm belt)	137	pc	\$ 17.00	\$ 2,325.60
14	Return roller (500mm belt)	22	pc	\$ 25.00	\$ 540.00
15	Troughing frame (500mm belt)	46	pc	\$ 52.00	\$ 2,371.20
16	Return bracket (500mm belt)	24	pc	\$ 8.61	\$ 206.64
17	Troughing roller (600mm belt)	54	pc	\$ 18.00	\$ 972.00
18	Return roller (600mm belt)	15	pc	\$ 29.00	\$ 435.00
19	Troughing frame (600mm belt)	18	pc	\$ 58.00	\$ 1,044.00
20	Return bracket (600mm belt)	15	pc	\$ 8.61	\$ 129.15
21	Troughing roller (800mm belt)	50	pc	\$ 18.20	\$ 910.00
22	Return roller (800mm belt)	10	pc	\$ 31.00	\$ 310.00
23	C-channel (100x60x10mm)	20	pc	\$ 177.50	\$ 3,550.00
24	Import duties cost (Items 12-21), 30%				\$ 2,773.08
25	Freight cost (estimate) (Items 12-21)				\$ 5,000.00
				Total, USD	43,055

D	RISK ASSESSMENT
	1. Funds – insufficient funds will delay the whole project a. The project can be done in 4 phases. Phase 1 - construction of the VGF and Jaw crusher slabs. Phase 2 – fabrication of Jaw crusher and VGF structure. Phase 3 – installation of Jaw crusher and VGF on a scheduled plant shutdown. Phase 4 – installation of new CVs, once parts arrive from supplier. 2. Cost Overruns a. Monitor and control expenditures during project execution. Project manager to oversee the status of the whole project. 3. Production disruption – downtime and lost output during the construction. a. Staged implementation – project will be done in 4 phases. Major jobs will be done simultaneously on a planned shutdown. Civils and structural jobs can be done while the plant is running. 4. Equipment commissioning issues – due to uncontrolled start-up, damage and delays a. Commissioning plan, simulation and provision of new startup and shutdown SOP.

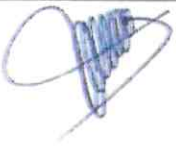
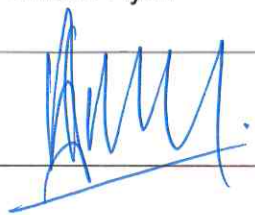
E	PROJECT SCHEDULE
	Phase 1 • Civil works – construction of VGF and Jaw crusher slabs ○ Schedule – 30 days (pouring of concrete and slab curing) ○ Estimated Cost - \$1059.84 Phase 2 • Structural – fabrication of VGF and Jaw crusher frames ○ Schedule – 21 days ○ Estimated cost - \$17,827 Phase 3 • Installation of VGF and Jaw crusher ○ Schedule ▪ Cranage – 2 days • Estimated cost - \$ 2,000 ▪ Installation (equipment and electricals) – 3 days



- Estimated cost - \$ 2,661.4

Phase 4

- CV 3, 5, 6 and 7 installations (can be done on 2 separate shutdown schedules)
 - Schedule – 2 days
 - Estimated cost - \$20, 577

F	COMMENTS
HOD	Ronald Toledo – Group Metallurgist <i>RAP Toledo</i> June 23, 2025
GENERAL MANAGER/GM	  June 24, 2025
GROUP FINANCE CONTROLLER	 Reagan 26/06/2025
GROUP LEGAL COUNSEL & COMPLAINCE OFFICER	
GROUP SUPPLY CHAIN MANAGER	Jeome Sande 26/06/2025
COO	Shane Ryan <i>Shane Ryan</i> 26/06/25
CFO	 27/6/2025



G	APPROVAL
CEO	
BOARD	

NOTE: attach additional quotes or supporting documents if necessary