



EXECUTIVE ADJUDICATION REV 2

GROUP SUPPLY CHAIN

**INFORMAL ENQUIRY FOR LOAD HAUL DUMPERS (LHD's) AND DUMP TRUCKS
REVISION 1, INCLUSION OF ARAMINE FRANCE DIESEL OPTION**

REVISION 2, INCLUSION OF GST RECONDITIONED LOADER AND MAINTENANCE/OPERATOR COSTS

30 APRIL 2024

29 May 2024

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1. Background

1.1 Load Haul Dumpers

1.1.1 Rutongo 14 Units and Nyakabingo 12 Units have traditionally used the Bawoo Skid Steer Loader Model M50R, supplied by Bawoo of Korea, <http://www.cowloader.co.kr/sub.php?menu=18>. The loader is not designed for Underground Mining and therefore continuous breakdowns and driver mishandling has been experienced.

1.1.2 Rutongo 3 Units, Nyakabingo 3 Units and Musha 1 Unit purchased from Weifang Baoomax from China, Model SSL 750 D <https://www.baoomax.com/skid-steer-loaders/>. The LHD is too big for our operations

1.2 Dump Trucks

1.2.1 Nyakabingo has purchased from Qixia Dali Mining Machinery China 1 only Model UK-6 and 1 only Model B30D Dump Truck

1.2.2 Musha Heza Decline has purchased from Qixia Dali Mining Machinery China 1 only Model UK-6/3m³/6 Ton. <https://www.qxdali.com/category/underground-vehicle/underground-truck/>

2. Informal Enquiry

2.1 Due to the need to obtain Underground Mining Equipment which can operate in our Mines, the Group Technical Services Manager provided the following operating requirements:

Minimum width of workings = 2.5m
 Minimum height of workings = 2.5m
 Maximum gradient of workings = 9 degrees
 Articulated machine for better turning radius

LHD:
 Preferred maximum size: Height = 2200mm
 Width = 1800mm
 Length = 6500mm
 Discharge height < 2000mm
 Preferred bucket loading capacity = >3 tons

Dump truck:
 Preferred maximum size: Height = 2200mm
 Width = 1800mm
 Length = 6500mm
 Preferred load capacity = >10 tons

2.2 Prospective OEM's were identified with input from Bara Consulting, Group Technical Services Manager, Rutongo Mine Manager and Group Supply Chain.
 Pricing, specifications, and availability obtained from:

LHD's: Bawoo Korea, Goscor Bobcat SA, GST Equipment SA, GMG Mining Machinery SA, Aramine France, Qixia Dali Mining Machinery China
 Dump Trucks: GST Equipment SA, GMG Mining Machinery SA, Aramine France and Qixia Dali Mining Machinery China

2.3 Physical site inspection undertaken 9 May 2024 by M Jacklin to GST Premises in SA and updated pricing obtained including On Site Maintenance and Operator.
 Lease pricing has also been requested and will be separately provided.

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3. Comparison Rev 2

3.1 Loaders

LOADERS	Trinity Spec	Bawoo Korea	Qixia Dali (China)	Goscor (Bobcat) SA	Goscor (Bobcat)	Aramine France	Aramine France	GST SA	GMG SA
Height	2 200 mm		2 000 mm			1 972 mm		2 425 mm	1 642 mm
Width	1 800 mm		1 300 mm	1 490 mm	1 643 mm	1 100 mm	1 205mm to 1 040mm	1 860 mm	1 600 mm
Length	6 500 mm		6 050 mm	3 172mm	3 378 mm	5 338 mm		3 780 mm	6 100 mm
Discharge Height	< 200 mm		1 050 mm	2 781 mm	2 908 mm			3 122 mm	
Bucket Loading Cap	> 3 tons		2 000 kg	1 215 kg	1 788 kg	1 300 kg	1 200 kg	1 075/1 450 kg	4 200 kg
Model		M50R	WJ-1/1m ³ /2 ton	S 450	S 550	L140B	L130D	New GST Mini Loader	Refurbished GST Mini Loader
Price each		\$25 240	\$60 000	\$37 320	\$44 634	\$273 920	\$171 489	\$88 094	\$42 712
Spare Parts			12 months \$ 14 253					Critical Spare Parts	\$18 687
Operating Labour								Fitter per month	\$3 203
								Operator per month	\$1 602
Total Operating Labour/month								Total Operating Labour/month	\$4 805

3.2 Dump Trucks

DUMP TRUCKS	Trinity Spec	Qixia Dali (China)	Aramine (Electric)	Aramine (Diesel)	GST SA	GMG SA
Height	2 200 mm	2 060 mm			1 870 mm	2 050 mm
Width	1 800 mm	1 540 mm	1 600 mm	1450/1 600	1 480 mm	2 150 mm
Length	6 500 mm	6 050 mm			3 000 mm	6 900 mm
Bucket Loading Cap	> 10 tons	6 000 kg	4 200 kg	4 200 kg	4 000 kg	
Model		UK-6/3m ³ /6Ton	T 500B	T500D	GST Mini Dumper	ADT 14T
Price each		\$93 000	\$316 613	\$193 355		\$106 781
Spare Parts		12 months \$ 20 482			Critical Spare Parts	\$34 704
Operating Labour					Fitter per month	\$3 203
					Operator per month	\$1 602
Total Operating Labour/month					Total Operating Labour/month	\$4 805

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4. Recommendation Rev 1

Following the Technical Standards Committee meeting of 24th April 2024, the following recommended Dumpers (LHD's) and Dump Trucks as conclusion for the tender adjudication and standardization:

4.1 Load Haul Dumpers (LHD's):

S/N	Company Names	Equipment Model
1	Qixia Dali Mining Machinery Co., Ltd	WJ-1/1m ³ /2Ton
2	Bawoo Company Corp	M50R

4.2 Dump Trucks:

S/N	Company Names	Equipment Model
1	Qixia Dali Mining Machinery Co., Ltd	UK-6/3m ³ /5Ton

5. Recommendation Rev 2

GST provides the opportunity to test a Reconditioned Condition Mining Upgraded Bobcat Loader at \$ 42 712 including on Site Labour for Maintenance and Operation (Marc contract) at \$ 4 805 per month. Lease pricing is also available and will be separately provided.

LOADERS	Trinity Spec	Bawoo Korea	Qixia Dali (China)	GST SA
Height	2 200 mm		2 000 mm	2 425 mm
Width	1 800 mm		1 300 mm	1 860 mm
Length	6 500 mm		6 050 mm	3 780 mm
Discharge Height	< 200 mm		1 050 mm	3 122 mm
Bucket Loading Capacity	> 3 tons		2 000 kg	1 075/1 450 kg
Model		M50R	WJ-1/1m ³ /2 ton	New GST Mini Loader
Price each		\$25 240	\$60 000	\$88 094
Spare Parts			12 months \$ 14 253	Critical Spare Parts
Operating Labour				Fitter per month
				Operator per month
				Total Operating Labour/month
				\$4 805
				Refurbished GST Mini Loader
				\$42 712
				\$18 687
				\$3 203
				\$1 602
				\$4 805

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Recommendations:

1. GST Dump Truck was not recommended for Trinity Metals operations as not suitable for the hauling works compared that other approved options and sizes.
2. Trinity recommend to procure 1 only GST Reconditioned/refurbished Mini Loader including maintenance for testing for 6 months (GST only have quantity 1 available). Internal decision required for Mine allocation.

GROUP SUPPLY CHAIN MANAGER: SIGNATURE *Sande* DATE *10/06/2024*

6. Authorisation

CHAIRMAN STANDARDS COMMITTEE: SIGNATURE *[Signature]* DATE *12 JUN 2024*

GM NYAKABINGO : SIGNATURE *[Signature]* DATE *14/06/2024*

GM RUTONGO : SIGNATURE *[Signature]* DATE *13-06-2024*

GM MUSHA : *MBANZA M.* SIGNATURE *[Signature]* DATE *10/06/2024*

CEO : SIGNATURE *[Signature]* DATE *13/06/2024*