



EXECUTIVE REPORT

GROUP SUPPLY CHAIN

INFORMAL ENQUIRY FOR LOAD HAUL DUMPERS (LHD's) AND DUMP TRUCKS

15 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/>

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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

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3. Comparison

3.1 LHD's

LHD's	Trinity Spec	Bawoo Korea	Qixia Dali (China)	Goscor (Bobcat) SA	Goscor (Bobcat)	Aramine France	GST SA	GMG SA
Height	2 200 mm		2 000 mm			1 972 mm	2 070 mm	1 642 mm
Width	1 800 mm		1 300 mm	1 490 mm	1 643 mm	1 100 mm	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 Capacity	> 3 tons		2 000 kg	1 215 kg	1 788 kg	1 300 kg	1 075 kg	4 200 kg
Model		M50R	WJ-1/1m ³ /2 ton	S 450	S 550	L140B	GST Mini Loader	AARD 4.2
Price each		\$25 240	\$62 000	\$37 320	\$44 634	\$273 920	\$88 094	\$213 561

3.2 Dump Trucks

DUMP TRUCKS	Trinity Spec	Qixia Dali (China)	Aramine France	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	1 480 mm	2 150 mm
Length	6 500 mm	6 050 mm		3 000 mm	6 900 mm
Bucket Loading Capacity	> 10 tons	6 000 kg	4 200 kg	4 000 kg	
Model		UK-6/3m ³ /6Ton	T 500B	GST Mini Dumper	ADT 14T
Price each		\$93 000	\$316 613	\$106 781	\$229 578

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4. Recommendation

Following the Technical Standards Committee meeting of 24th April 2024, the following recommendations were made for Load Haul Dumpers (LHD's) and Dump Trucks as conclusion for the tender adjudication and standardization Trinity Metals Hauling Equipment:

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 /6Ton

GROUP SUPPLY CHAIN MANAGER: SIGNATURE  DATE 15/05/2024

5. Authorisation

CHAIRMAN STANDARDS COMMITTEE: SIGNATURE  DATE 21 MAY 2024

GM NYAKABINGO : SIGNATURE  DATE 16/05/2024

GM RUTONGO : SIGNATURE  DATE 16/05/2024

GM MUSHA : SIGNATURE  DATE 16/05/2024

CEO : SIGNATURE  DATE 16/05/2024

