

MINAS DE BENGA LIMITADA
COAL CHAIN

PROCUREMENT OF THIRTY (30) NEW WAGONS – GONDOLA
TYPE

	RESPONSIBILITY	SIGNATURE	DATE
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PROCUREMENT OF THIRTY NEW WAGONS –GONDOLA TYPE

TERMS OF REFERENCE

1. Background

MBL has a fleet of 310 wagons, Gondola type, supplied by Transnet – SA, and by Qiqihar Rolling Stock Co. Ltd – China. The wagons were supplied in 2012 and 2013, so during the period of operations the fleet decreased due to derailments occurred along the line, and consequently MBL is not in position to running seven (07) train compositions with the current wagons fleet available.

The current mine production capacity is such that at least seven (07) trains should running to compensate the production costs. So to reach the required number of wagons to running seven trains, the wagon fleet should increase by repairing the 33 accident damaged wagons and procure another 30 new wagons. In view of that, the repair of the damaged wagons is under process, so in parallel is proposed to procure new wagons with same spec of the current fleet.

2. Scope of works

The scope of services will be to supply thirty (30) new wagons – gondola type, basis on technical specification supplied by MBL. The supplier must ensure that wagons comply with Mozambican Railways Regulation, and providing all related documents including drawing, maintenance manual, catalog, and test inspections certificate.

3. Specification

Main Performance Parameter		
Item	Description	Parameter
1	Load	63 Tones
2	Axle load	20.5 tones
3	Tare weight	19 tones
4	Gross weight	82 tones
5	Cubic capacity	70.9 m ³
6	Maximum running speed	80 Km/h

7	Track gauge	1067 mm
8	Radius of minimum curve negotiated	60 m
Body main dimension		
9	Body type material in contact with goods	Stainless Steel
10	Body length over couplers	13200 mm
11	Height from coupler center line to top of rail	880 - 895mm
12	Maximum height	3210 mm
13	Maximum width of wagon	3020 mm
Bogie		
14	Type	Three piece Ride Control bogie
15	Wheel diameter	762 mm (30``)
16	Brake system	Air brake (comply with AAR)
17	Brake pressure	620 KPa (90 Psi)
18	Brake ratio (empty/ loaded)	23.36%/ 12.63%
19	Bearing type	Timken AAR grade D (5 1/2``x10)

4. Experience of Supply

The Supplier should have an expertise and recognized experience on manufacturing wagons and other rail cars. The preference, the supplier should be the same of the MBL wagons fleet.

5. Period for delivery:

The period for deliver the wagons should be soon as possible, since is highly required to run 7th train as soon as possible in to satisfy the operations requirement.

- Delivery site: BEIRA

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