TERMS OF REFERENCE

PROCUREMENT OF NINETY NEW WAGONS –GONDOLA TYPE

1. Background

MBL ("Minas de Benga, Lda.") 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. During the period of operations, the fleet decreased due to derailments occurred along the railway line and, consequently, MBL is not in position to running a seventh (07) train composition with the current fleet of wagons available.

The current mine production capacity is such that at least seven (07) trains should be running to compensate the production costs. Thus, to reach the required number of wagons to run seven trains, the wagon fleet should increase by procuring another 90 (ninety) new wagons.

2. Scope of works

The scope will be to supply ninety (90) new wagons – gondola type, based 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 inspections certificate.

Furthermore, for offloading at Coal Terminal is being used an Excavator, therefore, the internal design of wagon load compartment should comply with the above-mentioned method.

3. Specification

Main Performance Parameter		
Item	***Description***	***Parameter***
1	Designation type	Gondola with underframe
2	Payload	61.5 Tones
3	Axle load	21 tones
4	Tare weight	20.5 tones
5	Gross weight	82 tones
6	Cubic capacity	73 m^3
7	Maximum running speed	90 Km/h
8	Track gauge	1067 mm
9	Radius of minimum curve negotiated	85 m
Body main dimension		
10	Body type material	3CR12 Steel
11	Body length over couplers	13200 mm
12	Height from coupler center line to top of rail	895mm ± 6mm
13	Maximum width of wagon	3004 mm
Bogie		
14	Type	HS MK VII Self-steering
15	Wheel diameter	863 mm (34``)
16	Airbrake system	AAR Air brake
17	Brake pressure (empty/loaded)	(500/ 550) KPA
18	Bearing type	Timken AAR grade D (5 1/2``x10)

4. Experience of supplier

The Supplier should have expertise and recognized experience in manufacturing wagons and other rail cars or experience in selling/trading of wagons. Preferentially, the supplier should be the same of the MBL wagons fleet.

5. Period for delivery

The period for delivery of the 90 (ninety) new wagons should be 10 (ten) months from date of Purchase Order or as soon as possible (lesser delivery period to be given preference since wagons are highly required to run train and thus satisfy the operations requirements).

5.1 Delivery Place: Beira Port (ICVL Workshop), Mozambique.