

# Appendix A

“PREVIEW COPY ONLY”

**Declaration of Technical Competence and Capacity**

Please indicate the tools for which your business concern is technically competent and possesses the capacity (competent number of staff, workshop) to repair and service:

Description	Technically Competent to Service and Repair ( Indicate Yes or No)
Hydraulic Power Unit	
Hydraulic Track Jack	
Hydraulic Tie Tamper	
Hydraulic Rail Drill	
Hydraulic Rail Disc Cutter	
Hydraulic 1" Impact Wrench	
Hydraulic 1/2" Impact Wrench	
Hydraulic Angle Grinder	
Hydraulic Sleeper Drill	
Hydraulic Rail Crossing Grinder	
Hydraulic Rail Profile Grinder	
Hydraulic Weld Shearing Machine	
Semi Automatic Welding Machine	
Hydraulic Rail Bender	

Company Name: \_\_\_\_\_

Name & Surname: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

## 1. Hydraulic Power Unit

Approximate number of Units – 80

Description	Cost to Transnet Freight Rail
1. Labour rate per hour	
2. Travelling rate per kilometer	
3. Voltage Regulator Unit	
4. Engine Cut Out Solenoid Unit	
5. Ignition Coil Unit	
6. Starter Motor Complete	
7. Engine Oil Filter	
8. Engine Diesel Filter	
9. Hydraulic Oil Filter	
10. Battery	

“PREVIEW COPY ONLY”

## 2. Hydraulic Track Jack

Approximate number of Units – 800

Description	Cost to Transnet Freight Rail
1. Labour rate per hour	
2. Lifting Toe Yoke	
3. Seal Kit	
4. Carry Handle Repair Kit	
5. Reservoir Repair Kit	
6. Control Mechanism	
7. Beam Piston Repair Kit – Excluding Knuckle	
8. Cap	
9. Base	

**3. Hydraulic Tie Tamper**

**Approximate number of Units – 500**

Description	Cost to Transnet Freight Rail
1. Labour rate per hour	
2. Handle Frame Assembly	
3. Seal Kit	
4. Recharge Accumulator System	
5. Latch	
6. Hex Bushing	
7. Accumulator Diaphragm Assembly	
8. Latch Sleeves, spring, detent, bolt & washers	
9. Chisel Bellows	
10. Quick Disconnect Nipple	
11. Quick Disconnect Coupler	

“PREVIEW COPY ONLY”

**4. Hydraulic Rail Drill**

**Approximate number of Units – 200**

Description	Cost to Transnet Freight Rail
1. Labour rate per hour	
2. Calibration of Drive/Feed Mechanism	
3. Vice Screw	
4. Vice Handle	
5. Seal Kit (spindle, piston, drive mechanism)	
6. Coolant Bottle with pump	
7. Quick Disconnect Nipple	
8. Pressure Reducing Valve	
9. Flow Control Valve	
10. Check Valve	
11. Rail Template – 1 set	
12. Rail Clamp – complete	
13. Quick Disconnect Nipple	
14. Quick Disconnect Coupler	

“PREVIEW COPY ONLY”

**5. Hydraulic Rail Disc Cutter**

**Approximate number of Units – 200**

Description		Cost to Transnet Freight Rail
1.	Labour rate per hour	
2.	Motor Internal Seal Kit	
3.	Motor Front End Seal Kit	
4.	Drive shaft	
5.	Frame Bearing	
6.	Flange Protector	
7.	Rail Clamp Assembly	
8.	Saw Motor	
9.	Saw Valve	
10.	Saw Guard	
11.	Trigger Lever	
12.	Quick Disconnect Nipple	
13.	Quick Disconnect Coupler	

“PREVIEW COPY ONLY”

**6. Hydraulic 1” Impact Wrench**

**Approximate number of Units – 200**

Description	Cost to Transnet Freight Rail
1. Labour rate per hour	
2. Motor Front End Seal Kit	
3. Reversing Valve Assembly	
4. Adapter Plate & Thrust Bearing	
5. Trigger Valve	
6. Internal Seal Kit	
7. Trigger Handle Kit – Anti Vibration	
8. Pigtail Assembly	
9. Quick Disconnect Nipple	
10. Quick Disconnect Coupler	

“PREVIEW COPY ONLY”



### 7. Hydraulic 1/2" Impact Wrench

**Approximate number of Units – 100**

Description	Cost to Transnet Freight Rail
1. Labour rate per hour	
2. Motor Front End Seal Kit	
3. Reversing Valve Assembly	
4. Thrust Bearing	
5. Trigger Valve	
6. Internal Seal Kit	
7. Anvil	
8. Hammer	
9. Quick Disconnect Nipple	
10. Quick Disconnect Coupler	

“PREVIEW COPY ONLY”

**8. Hydraulic Angle Grinder**

**Approximate number of Units – 100**

Description		Cost to Transnet Freight Rail
1.	Labour rate per hour	
2.	Seal Kit	
3.	Drive Flange	
4.	Hub Nut	
5.	Jam Nut	
6.	Main shaft	
7.	Spindle Bearing Kit	
8.	Flow Control Unit	
9.	Trigger Valve	
10.	Main Shaft	
11.	Putput shaft	
12.	Quick Disconnect Nipple	
13.	Quick Disconnect Coupler	

“PREVIEW COPY ONLY”

### **9. Hydraulic Sleeper Drill**

**Approximate number of Units – 50**

Description	Cost to Transnet Freight Rail
1. Labour rate per hour	
2. Hammer	
3. Seal Kit	
4. Thrust Ring	
5. Thrust Ring Cock	
6. Hammer Case	
7. Valve Spool Assembly	
8. Quick Disconnect Nipple	
9. Quick Disconnect Coupler	

“PREVIEW COPY ONLY”

**10. Hydraulic Rail Crossing Grinder**

**Approximate number of Units – 50**

Description	Cost to Transnet Freight Rail
1. Labour rate per hour	
2. Belt – Rear Casing	
3. Belt – Front Casing	
4. Rear Roller Support	
5. Pawl Bearing	
6. Hydraulic Motor	
7. Seal Kit	
8. Axle	

“PREVIEW COPY ONLY”

### **11. Hydraulic Rail Profile Grinder**

**Approximate number of Units – 50**

Description	Cost to Transnet Freight Rail
1. Labour rate per hour	
2. Belt Casing	
3. Grindstone Spindle	
4. Spindle shaft	
5. Spindle shaft drive piece	
6. Grindstone Axle	
7. Grindstone	
8. Seal Kit	

“PREVIEW COPY ONLY”

## **12. Hydraulic Weld Shearing Machine**

**Approximate number of Units – 50**

<b>Description</b>	<b>Cost to Transnet Freight Rail</b>
1. Labour rate per hour	
2. Weld Shear blades – 1 set	
3. Rail Lock – long	
4. Rail Lock – short	
5. Thread piece	
6. Hand pump	
7. Hydraulic cylinder	
8. Seal Kit	

“PREVIEW COPY ONLY”

### **13. Semi Automatic Welding Machine**

**Approximate number of Units – 250**

<b><u>DESCRIPTION OF WORK</u></b>		<b>Cost to Transnet Freight Rail</b>
1. Pressure wash plus cleaning of complete machine and carrying out of visual inspection to ensure that machine remains in compliance with safety and other specification(s).		
2. Service diesel engine (Yanmar 3TNE) of welding machine iro. <ul style="list-style-type: none"> <li>• Fuel system</li> <li>• Lubrication system</li> <li>• Air system</li> </ul>		<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> </ul>
3. Service and repair of program(s) and re-calibrate BVR1000 semi automatic welding unit iro. <ul style="list-style-type: none"> <li>• Electrical, Electronic and safety features</li> <li>• Re-programming of settings and values for all weld applications</li> </ul>		<ul style="list-style-type: none"> <li>•</li> <li>•</li> </ul>
4. Check functional operation of complete unit and repair as required iro. <ul style="list-style-type: none"> <li>• Wire feed unit</li> <li>• Welding guns</li> <li>• Trolley and clamping equipment</li> </ul>		<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> </ul>
5. Supply of service exchange units for <ul style="list-style-type: none"> <li>• Rail track BVR1000 complete</li> <li>• Wire feeder ESAB FEED 48/4</li> <li>• Welding unit ESAB 350 YS CC/CV generator</li> </ul>		<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> </ul>
6. Test and certification of unit		
7. Traveling expense per km		
8. Labour cost per hour		

**14. Hydraulic Rail Bender**

**Approximate number of Units – 20**

Description	Cost to Transnet Freight Rail
1. Labour rate per hour	
2. Piston/Shaft Assembly	
3. Shaft Front End Insert	
4. Neck Nut	
5. Seal Kit	
6. Relief Valve	
7. Shaft Cap	
8. Gauge	
9. Travelling rate per kilometer	

“PREVIEW COPY ONLY”