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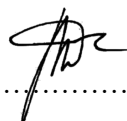
INFRASTRUCTURE ENGINEERING

ELECTRICAL DEPARTMENT SPECIFICATION

SPECIFICATION FOR CUTTING AND LEVELING TOOLBOX

Author: Engineer Rotondwa Ludzulu

Approved: Senior Engineer Engineering Molefi Moeketsane

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Transnet Freight Rail - Infrastructure

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TABLE OF CONTENTS

1. Scope	3
2. Tenderers.....	3
3. Operating Conditions.....	3
3.1. Atmospheric condition.....	3
3.2. Construction	3
4. List of Tools.....	3
5. General Requirements	4

1. Scope

This specification stipulates Transnet Freight Rail's requirements for the supply and delivery of cutting and levelling toolbox.

2. Tenderers

Tenderers shall indicate compliance or non-compliance with the specification. To elaborate their reason for non-compliance of a clause a separate sheet may be used to clarify the extent of non-compliance to specific clause.

3. Operating Conditions

Equipment to be supplied against this specification shall be suitable for satisfactory operation under the following conditions

3.1. Atmospheric condition

- 3.1.1. Altitude : 0 – 1800m above sea level
- 3.1.2. Ambient Temperature : -10 ° C to 40° C
- 3.1.3. Relative Humidity : As high as 90 percent
- 3.1.4. Ambient Storage Temperature : -10° C to 50° C

3.2. Construction

- 3.2.1. All tools shall be constructed using high-grade materials, ensuring superior strength, durability, and reliability for Railway environment.
- 3.2.2. The tools shall feature an electroplated surface to provide corrosion resistance, extending its life span in the Railway environment.
- 3.2.3. All tools shall have non slip surface grip to ensure a secure grip.

4. List of Tools

4.1 Below is the list of tools that should be on the cutting and levelling toolbox. Bidders should take note that the highlighted below quantities should be priced in per toolbox.

	Description	Quantity Per Toolbox
1. Hydrometer	Range; -4° to 60° C :Humidity;0% - 100% Refreshrate:0.4 seconds	1
2. Spirit Level – 450mm	Heavy duty	1
3. Pipe Wrench – 18 inch	Material; Chromium Vanadium	1
4. Straight Gauge – 450mm	Aluminium,	1
5. Bolt Cutter – 450mm (8mm)	Material; Chromium Vanadium	1
6. Bolt Cutter – 800mm (35mm)	Material; Chromium Vanadium	1
7. Cable Cutter – (160mm ²)	Material; Chromium Vanadium	1.

8. Concrete Float	Material; Plastic	1
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5. General Requirements

- 5.1 All tools shall be manufactured in a facility that complies with ISO 9001 or any other equivalent standards
- 5.2 Sufficient training must be provided to all operators for all tools
- 5.3 The manuals shall be provided on the day of the delivery of the toolbox