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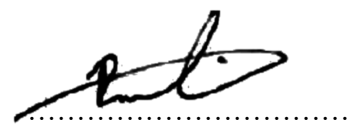
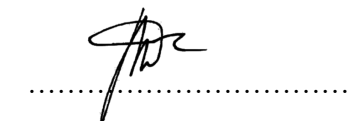
## INFRASTRUCTURE ENGINEERING

### ELECTRICAL DEPARTMENT SPECIFICATION

#### SPECIFICATION FOR CABLE DRUM AXLE AND SPREADER

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Transnet Freight Rail - Infrastructure

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## **1. Scope**

This specification stipulates Transnet Freight Rail's requirements for the supply and delivery of cable drum axle and cable drum spreader.

## **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. The equipment shall be constructed using high-grade carbon steel, ensuring superior strength, durability, resistant to deformation and reliability.
- 3.2.2. The equipment shall feature an electroplated surface to provide corrosion resistance, extending its life span in the railway environment.

## **4. Cable drum axle - Technical Requirements**

- 4.1 The cable drum axle shall be designed to carry loads of up to 5 tons or more
- 4.2 The cable drum axle shall not exceed 2 meters in length
- 4.3 The weight of the axle shall not exceed 32 kg.
- 4.4 The axle shall be able to fit in the centre hole of the cable drum

## **5. Cable drum spreader – Technical Requirements**

- 5.1 The cable drum spreader shall be cable of lifting loads of up to 10 tons without deforming

## **6. General Requirements**

- 6.1 The cable drum axle and spreader shall comply with industry safety standards for load bearing
- 6.2 The supplier shall provide test certification verifying the spreader and axle load capacity.