



A division of Transnet SOC Limited

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## **RAIL NETWORK**

### **PROCUREMENT SPECIFICATION**

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#### **Provision for the supply of Bright Spotlight**

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## **1. Scope**

- 1.1. This specification outlines the requirements for the supply of *Bright Spotlight* to provide light in dark spaces.

## **2. Environmental Conditions**

- 2.1. The equipment will be used in all weather conditions having altitudes varying from sea level to 1850m above sea level, relative humidity 0% to 90%, and atmospheric conditions which vary from heavily saline to dry and dusty. Dust and splash protection IP 54
- 2.2. Ambient air temperatures range from minus 10° C to 50° C.

## **3. Qualifications**

- 3.1. The design of the components as per user requirements is to be that of the manufacturer but must be of robust construction to meet sustained operational duty demands, yet they must be easy to be used safely.
- 3.2. The tools and components will be acceptable in standard factory production finish and colour. Details are to be furnished in the operator's manual and the technical data sheets supplied by the manufacturer.

## **4. Performance**

- 4.1. The actual design of all components shall have the capacities as stated in this specification.
- 4.2. The components are to be easily and economically maintained/calibrated with standard workshop tools and equipment when necessary.

## **5. Technical Requirements**

### **5.1. General Description**

- 5.1.1. Transnet Freight Rail requires Bright Spotlight for the purpose of providing light in dark spaces.
- 5.1.2. The equipment shall conform to the requirements as laid down in this specification and the relevant SANS and international standards.

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## **5.2. Bright Spotlight**

- 5.2.1. The spotlight shall have a brightness of 2000 Lumen LED.
- 5.2.2. The spotlight shall have a far focus beam with a maximum beam distance of up to 800m or more.
- 5.2.3. The spotlight shall have rechargeable using both wall plug-ins and vehicle UBS adaptors.
- 5.2.4. The spotlight shall have a built-in power bank
- 5.2.5. The spotlight shall have at least three (3) brightness modes high, medium and low
- 5.2.6. The spot shall be shockproof.
- 5.2.7. The spotlight shall have a detachable lens.

## **6. Quality Control**

- 6.1. All equipment as required by various clauses of this specification must be manufactured in an environment that complies with the latest SANS ISO 9000 to ISO 9004 or similar quality control standards. Details must be furnished.

## **7. Legal and Operational**

- 7.1. All equipment to comply with the requirements of the related SANS, Safety, and Environmental standards in force at the time of tendering.
- 7.2. The information as requested by the various clauses in this specification is to be supplied in form of technical data, pamphlets, and/or drawings. If this is not complied with, offers may be overlooked.
- 7.3. All equipment is to be guaranteed for a minimum period of 24 months against faulty material and poor workmanship - fair wear and tear excluded. Full details of the guarantee are to be submitted.

## **8. References**

- 8.1. SANS ISO 9000 to ISO 9004: 2015 – Quality Management