

SUPPLY, DELIVERY AND PRIMING THE PREPARED BASE LAYER, APPLY TACK AND LAY 35MM CONTINUOUSLY GRADED BITUMINOUS CONCRETE ON MATLA-KRIEL ROAD

	<b>Scope of Works</b>	<b>Eskom Rotek Industries</b>
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Title: **Supply, delivery and spray of prime, prepare base layer, apply tack coat and placing of 35mm continuously graded bituminous concrete on Matla-Kriel road**

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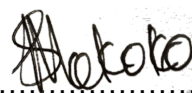


Renias Murawo

**Project Manager**

**Date:** 03 February 2026

**Functional Responsibility**

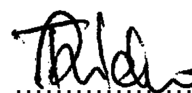


Thandi Mokoko

**Senior Project Manager**

**Date:** 03 February 2026

**Authorised by**



Thabo Nhleko

**HOD Civils**

**Date:** 03 February 2026

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## 1. INTRODUCTION

Eskom Rotek Industries (ERI), a wholly owned subsidiary of Eskom Holdings, provides construction, maintenance, and transportation services across various Eskom power stations to support electricity generation. Within ERI, the Construction Services division delivers both civil and electrical construction solutions for projects linked to power generation.

The Civils Portfolio, a key unit within Construction Services, has recently been awarded the contract to rehabilitate the Matla–Kriel Road, a critical route used by coal trucks transporting coal from Matla Mine to Kriel Power Station. Due to the traffic loading will be carried by this road, bituminous concrete has been selected as a surfacing type to be applied. This document details a scope of work for the supply, delivery, applying prime and laying asphalt on Matla-Kriel road.

## 2.0 SUPPORTING CLAUSES

### 2.1 SCOPE

The scope of work encompasses the supply, delivery applying the three coats surfacing which is prime, tack and asphalt. The selected prime is MC30 while the tack is stable 30 emulsion and asphalt is continuously graded bituminous concrete to be laid to a thickness of 35mm.

The scope of work is as follows:

- Supply, delivery and spraying of prime
- Supply, delivery and spraying of tack coat
- Supply, delivery and placing of 35mm asphalt layer
- Quality Inspection and Testing
- Hand-over of the complete works

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The figure below indicates the road route to be surfaced. Indicating how the two Power stations are linked. The Kriel coal access road which branches from the road is highlighted in red and it is part of the scope.



**Figure 1: Link Rd & Coal Access Rd**

## 2.2 PURPOSE OF THE SCOPE OF WORK

This scope of work covers the construction of the 35mm asphalt for the rehabilitation of Matla-Kriel road to provide coal transportation o Kriel Power Station. The document outlines the general technical requirements for the rehabilitation of the road between two power stations.

The design definitions and guidelines, quality management, minimum codes and standards are also detailed in this document.

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## 2.3 APPLICABILITY

This document is applicable to all phases of the Matla–Kriel Road rehabilitation project and shall govern the activities and responsibilities of Eskom Rotek Industries, client representatives, and appointed professional consultants.

## 2.4 NORMATIVE/INFORMATIVE REFERENCES

### 2.4.1 Normative

The following reference documents, in their latest revisions, form an integral part of this specification to the extent indicated herein. In the event of any conflict between the provisions of this specification and the applicable sections of the Eskom documents listed below, the requirements of this specification shall take precedence. This specification does not override applicable laws and regulations (including SANS standards), except where a formal exemption has been granted by the relevant authorities.

1. **240-53665024** – Engineering Quality Manual
2. **ISO 9001** – Quality Management Systems
3. ERI SHE Specification
4. Occupational Health and Safety Act and Regulations (**Act 85 of 1993**)
5. **240-62196227** – Eskom Life Saving Rules

### 1.1.2 Informative

1. QM58 – Eskom Quality Specification
2. Matla-Kriel Bill of Quantities

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## 2.5 DEFINITIONS

Definition	Description
Employer	Eskom Rotek Industries SOC Limited
Supplier	Tenderer contracted by the Employer to perform the duties and responsibilities as supplier in accordance with terms and conditions of the contract.
Employer's Representative	An Employee with delegation of authority issued by the Employer to perform duties on behalf of the Employer in accordance with terms and conditions of the contract.
Lifesaving rules	(240-62196227) a rule that if not adhered to, has the potential to cause serious harm to people
Contractor	Means an employer as defined in section 1 of the Act who performs contract work and includes principal contractors
Mobile Plant	Any plant that is provided with some form of self-propulsion that is ordinarily under direct control of an operator.

### 2.5.1 Disclosure Classification

**Controlled Disclosure:** Controlled Disclosure to external parties (either enforced by law, or discretionary)

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## 2.6 ABBREVIATIONS

Abbreviation	Description
ERI	Eskom Rotek Industries
CS	Construction Services
RA	Risk Assessment
SANAS	South African National Accreditation System
RP	Responsible Person
QMS	Quality Management System
PPE	Personal Protective Equipment
FEL	Front End Loader
DMR	Driven Machinery Regulations
TLB	Tractor Loader Back actor
PTW	Permit To Work
RoD	Run of Dump
QCP	Quality Control Plan
COLTO	Committee of Land Transport Officials
OMC	Optimum Moisture Content
SOW	Scope of Work
CoE	Centre of Excellence
PI	Plasticity Index
TRH	Technical Recommendations for Highways
QA	Quality Assurance

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## **2.7 ROLES AND RESPONSIBILITIES**

### **2.7.1 Eskom Rotek Industries – Responsibilities**

- Ensure that the supplier has the relevant standard specifications governing the supply of required material and the works.
- Ensure that delivery of equipment is as per tender specifications
- Verify that delivery vehicles are inspected and meet all regulatory and site-specific requirements prior to arrival.
- Ensure that delivery vehicles are operated exclusively by qualified and competent personnel.

### **2.7.2 Eskom Rotek Industries – Site Supervisor / Quality Controller Responsibilities**

- Verify that all deliveries are checked and that accurate records are maintained.
- Ensure that laying and spraying equipment is operated strictly within its designated parameters and capacities.
- Confirm that equipment is operated solely by competent, formally appointed personnel.
- Ensure that delivery documentation clearly specifies both the quantity and the bituminous binder type.

### **2.7.3 Supplier**

- Ensure that the supply and quality of the works meet the relevant standards
- Ensure timely delivery and execution of the works
- Ensure that work is delivered within time and complying with the relevant standards
- Conform with requirements of the employer

#### **CONTROLLED DISCLOSURE**

## **2.8 PROCESS FOR MONITORING**

Upon receipt of a Purchase Order with fixed and firm dates, the supplier shall provide Eskom Rotek Industries with the schedule and target delivery date of the works.

## **2.9 RELATED/SUPPORTING DOCUMENTS**

The contractor shall supply the materials that comply with specifications and apply them as per design application rates.

## **3.0 WORKS INFORMATION**

### **3.1 PRIME COAT**

The prime coat will be MC30 cut back bitumen and applied at a rate of 1.0 l/m<sup>2</sup>

### **3.2 TACK COAT**

Tack coat will be 30% stable grade emulsion to be applied at a rate of 0.75 l/m<sup>2</sup>

### **3.3 SEAL**

Asphalt to be used will be a continuously graded asphalt medium grade with a thickness of 35mm

## **3.4 REQUIRED INFORMATION**

- COLTO Standard Specification for Roads and Bridges Works for State Authorities
- Essential Construction Chemicals

## **3.5 CONFORMANCE**

- Manual 39 – Laboratory Testing Protocols for Binders and Asphalt
- TRH1- Prime Coats and Bituminous Curing Membranes
- TRH3 – Surfacing Seals for Rural and Urban Roads

### **CONTROLLED DISCLOSURE**

- TRH7 – The Use of Bitumen Emulsions in the Construction and Maintenance of Roads
- TRH8 – Design and Use of Hot – Mix Asphalt in Pavements
- TRH21 – Hot Mix Recycled Asphalt

#### 4.0 AUTHORIZATION

This document has been seen and accepted by:

Name and surname	Designation
Thandi Mokoko	Senior Project Manager
Thabo Nhleko	HOD - Civils

#### 5.0 REVISIONS

Date	Rev.	Compiler	Remarks
03/02/2026	0	Renias Murawo	First Draft

#### 6.0 DEVELOPMENT TEAM

- Renias Murawo

#### 7.0 ACKNOWLEDGEMENT

None

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