



Title: **Manufacture and delivery of Sicon Pulleys at Kendal Power Station on an “as and when required” basis.**

Document Identifier: \*

Alternative Reference Number: **N/A**

Area of Applicability: **Kendal Power Station**

Functional Area: **Materials Management**

Revision: **00**

Total Pages: **8**

Next Review Date: **N/A**

Disclosure Classification: **Controlled Disclosure**

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## **1. Introduction**

Kendal Power Station intends to partner with a reputable service provider to ensure a reliable and continuous supplier of goods “as and when” required by the station. This document details the scope of work and all the mandatory requirements from the suitable contractor for this service.

## **2. Supporting Clauses**

### **2.1 Scope**

The scope of this document is the Scope of work and requirements for the Manufacture and delivery of Sicon Pulleys to Kendal Power Station.

#### **2.1.1 Purpose**

The purpose of this document is to describe the Scope of work and requirements of the products to be supplied to Kendal Power Station.

#### **2.1.2 Applicability**

This document shall apply to Kendal Material Management Department, Engineering Department, Maintenance Department, Contractor, and anyone who is involved in the manufacture, assembly, delivery, storage and use of the products listed in this contract.

#### **2.1.3 Effective date**

This document is effective from commencement of the contract date until revised or end of contract date.

## **2.2 Normative/Informative References**

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs.

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### **2.2.1 Normative**

- [1] SANS 1313-1,2,3
- [2] ISO 9001 of 2008: Quality Management Systems.
- [3] GPM/0147 User requirement specification guidelines.
- [4] Occupational Health and Safety Act 85 of 1993.
- [5] ISO 14001 of 2004: Environmental management system.

### **2.2.2 Informative**

- [1] Safety Health and Environment Specifications for Contractors - GVLIR 0007
- [2] Construction, Safety, Health and Environment Management in Eskom - 32/136 Rev 0 -
- [3] Eskom Information Security Policy - 32-85 Rev 0
- [4] Eskom Vehicle and Driver Safety Management Procedure - 32-93 Rev 0
- [5] Integrated Business improvement – prevention and improvement Standard - 6-366 Rev 0
- [6] Smoking Policy - 32-36 Rev 0
- [7] Alcohol Policy GGP 1209
- [8] Incident Management 32-95
- [9] Mandatory SHE requirements for the Eskom procurement and Supply chain management process - 32-726 Rev 0

### **2.3 Definitions**

- **Accuracy of measurement** - The closeness of the agreement between the result of a measurement and the (conventional) true value of the measurement.
- **Competence** - The ability to apply knowledge and skills to achieve the intended results.
- **Idler** – A free running rotating roller intended to support or guide the Sicon conveyor belt.
- **Nonconforming work** - Any manufactured item, process or work performed that is found to be outside of the accepted or documented standards or tolerances.

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- **Roller** – Another name for an Idler as described in this document.
- **Sicon** - The brand name of the OEM who manufactures a conveyor belt system intended to convey materials without spillages. There are 6 Sicon conveyors installed at Kendal Power Station.

## **2.4 Abbreviations**

<b>Abbreviation</b>	<b>Explanation</b>
<b>ISO</b>	International Organisation for Standardisation
<b>KKS</b>	Kraftwerk-Kennzeichensystem (Function, Equipment and Component Identification System for Power Stations)
<b>U.H.M.W.P.E.</b>	Ultra-High Molecular Weight Poly-Ethelene
<b>OEM</b>	Original Equipment Manufacturer
<b>SAP</b>	Systems, Applications and Products. (Software products that allow businesses to track customer and business interactions.)

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### **3. Document Content**

#### **3.1 Project description**

Manufacture and delivery of Sicon Pulleys at Kendal Power Station on an “as and when required” basis.

#### **3.2 General requirements**

- (a) All orders and purchases shall be done on System Application and Products (SAP) for Eskom records.
- (b) The Contractor shall only deliver the product to the premises after a Purchase Order (PO) number has been released by the Eskom Contract Manager.
- (c) The contractor shall manufacture all the components on his own premises. All components that are manufactured or bought out from sub-contractors need to be supplied to the contractor as per the required latest specifications approved by the Eskom System Engineer. The contractor remains responsible and accountable to correct and carry all associated costs to replace or repair defective products for any non-conformances found on any components. The contractor cannot refer any quality issues from the Eskom representative to any sub-contractor.
- (d) The Eskom representative shall perform quality control of the products received before accepting the products at stores as per International Standards Organisation (ISO 9001) standards. The contractor shall fetch rejected products from Kendal Power Station at own cost and as soon as being notified by the Eskom representative. Any rejected products that are missing due to delays by the contractor to fetch from Kendal Power Station are for the contractor account.
- (e) If the material or products received was accepted and indicated to be of good quality during quality evaluation but fails prematurely after installation, an investigation must be done by both parties and if an error is found to be from the service provider a replacement unit must be delivered within a reasonable time.
- (f) The contractor shall ensure that labelling or marking of product is clear and corresponds with the order number when delivery is made. The product must be delivered in fixed batch quantities for the ease of counting and verifying the items.
- (g) The contractor shall request approval from the Eskom Engineering representative before

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intending to make any changes, modification, or amendments to the products. No such changes may be made until written approval is granted by the Eskom Engineering representative.

- (h) All deliveries should be made from 07:15 am to 16:30 pm from Monday to Thursday and from 7:15 am to 12:15 pm on Friday, no deliveries should be made after the specified times or on a weekend unless otherwise arranged prior with the Eskom representative.
- (i) Supplier will keep a minimum stock level of all Pulleys, enough to service one complete conveyor.

### **3.3 Technical requirements**

The contractor shall manufacture and deliver Sicon Pulleys at Kendal Power Station on an “as and when required” basis to the following requirements:

- (a) Supplier to provide detailed design drawing of each part to be evaluated before contract is issued. Note Eskom will only supply the outer dimensions as per the Eskom Stock number description. Supplier to design and manufacture pulleys and supply materials according to the relevant specifications.
- (b) Technical Evaluation will be done at the suppliers’ premises before the contract is issued.
- (c) Material and manufacturing certificates will be issued with each pulley.
- (d) Supplier shall provide an Eskom Approved quality check document and procedure.
- (e) Quality checks of the manufacturing process may be done by the Engineer and Technician at the supplier premises while the contract is running.
- (f) Standard materials approved by the Eskom Engineering representative to be used. No deviation will be allowed unless it is approved.

### **3.4 Technical specifications**

The components include stock and non-stock items. The non-stock items will be made stock and should be included in the contract costing. Only assembly drawings are available, and the contractor will be expected to draft his/her own technical manufacturing drawings which will be signed off by the Eskom System Engineer.

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Detailed description of parts:

<u>Description</u>	<u>Stock Description</u>	<u>OEM Drawing No.</u>	<u>Eskom Drawing No.</u>	<u>Stock No.</u>
Drive Pulley Assembly 1200mm	Pulley, Groove: Type: Drive; Bore: 70 mm; Outside Diameter: 1.2m; Material: MS; Drawing No: Dk0616-8 Rev 1; With Tungsten Spray	<a href="#">4-60659-C</a>	0.64/39111	252738
Pulley Assembly 1200mm	Pulley, Groove: Type: Tensioner; Bore: 80 mm; Outside Diameter: 1.2m; Material: MS; Drawing No: Dk0616-9 Rev 1; With Tungsten Spray	<a href="#">4-60516-B</a>	0.64/39091	252737
Deflector Pulley Assembly 1165mm:	Pulley, Flat: Outside Diameter: 1.165m; Width: 90 mm; Material: Ms; Drawing No: Dk0616-4 Rev 1; With Tungsten Spray; Vendors Are Responsible For Ensuring That They Are Performing Against The Correct Drawing Revision Number (If Applicable).	<a href="#">4-60517-B</a>	0.64/39092	252721
Pulley Assembly 615mm - Flat, Large Profile:		<a href="#">4-60496-B</a>	0.64/39108	-
Pulley Assembly 653 - Grooved, Small Profile		<a href="#">4-60495-B</a>	0.64/39107	-
Pulley Assembly 665 - Grooved, Large Profile:	Pulley, Groove: Bore: 80 mm; Outside Diameter: 665 mm; Material: Ms; Drawing No: Dk0616-5 Rev 1; With Tungsten Spray	<a href="#">4-60494-B</a>	0.64/39106	252740
Pulley Assembly 629mm - Flat, Small Profile:	Pulley, Flat: Outside Diameter: 629 mm; Width: 90 mm; Material: Ms; Drawing No: Dk0616-1 Rev 1; With Tungsten Spray; Vendors Are Responsible For Ensuring That They Are Performing Against The Correct Drawing Revision Number (If Applicable).	<a href="#">4-60497-B</a>	0.64/39109	252720
Pulley Flat 400mm Assembly:	Pulley, Groove: Bore: 70 mm; Outside Diameter: 400 mm; Material: Ms; Drawing No: Dk0616-7 Rev 1; With Tungsten Spray	4-60340-B	-	252787
Pulley Flat 365mm Assembly:	Pulley, Flat: Outside Diameter: 365 mm; Width: 90 mm; Material: Ms; Drawing No: Dk0616-3 Rev 1; With Tungsten Spray; Vendors Are Responsible For Ensuring That They Are Performing Against The Correct Drawing Revision Number (If Applicable).	4-60340-B	-	252719

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