Eskom	Specification	Medupi Power Station

Title: **Medupi Power Station Supply and Delivery of Spares – Energy Chain**

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1. Introduction

Medupi Power Station intend to establish long term contracts for the supply and delivery of the station critical, strategic and operational spares. For plant to operate efficiently and effectively, maintenance must be performed as per maintenance strategy. To achieve the objectives as set out in the Power station maintenance plans, correct energy chain spares are necessary for proper execution.

This work specification is developed for the supply and delivery of energy chain spares at Medupi power station on an as and when required basis. This specification is intended to ensure the availability and reliability of the contractor to supply energy chain with the correct technical specification to Medupi power station. Supply and delivery of energy chain spares contract to run for a period of five years.

2. Supporting Clauses

2.1 Scope

The scope of work (SOW) specifies the required energy chain spares to be supplied by the potential supplier on an as and when required basis and conditions for acceptance.

2.1.1 Purpose

The purpose of this document is to provide the SOW and technical information for the purchase of Energy chain spares and ensure that all maintenance spares, which Medupi power station is buying are correct.

2.1.2 Applicability

This document shall apply to requirements for the supply of energy chain spares for Medupi Power station.

2.1.3 Effective date

The document will be effective from the date of authorisation.

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) ESKOM SHEQ Policy 32-727
2) Life Saving-Rules – 240-62196227 Medupi Power Station - SHE File Evaluation Checklist - 240-97661287

2.2.2 Informative

N/A

2.3 Definitions

Definition	Explanation
Contractor/Supplier	Service provider contracted for supply of spares and various services on the machines
Employer	Eskom Medupi Power Station

2.4 Abbreviations

Abbreviation	Explanation
SHE	Safety Health and Environmental
SHEQ	Safety Health Environmental and Quality
SOW	Scope of Work

2.5 Roles and Responsibilities

Contractor/Supplier

- To supply and deliver Energy chain spares to Medupi power station according to the specifications and technical requirements on this document.
- The contractor shall submit all technical documentations as requested per the contract.

Employer

- Submit compiled scope of work with technical specification to the supplier.
- Purchase orders will be released from the contract to the contractor for the required spares.
- Perform quality control of all energy chain spares on delivery at the employer's premises.
- Ensuring that the goods are provided as per the SOW and managed as per contract.

2.6 Process for Monitoring

N/A

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2.7 Related/Supporting Documents

N/A

3. Scope of Work

This work specification is developed for the supply and delivery of energy chain spares at Medupi power station on an as and when required basis. This specification is intended to ensure the availability and reliability of the contractor to supply energy chain with the correct technical specification to Medupi power station.

3.1 Supply of Spares

The scope of this contract include the supply of spares as follows:

	Material number	OEM	Expected quantity	Purchase text
1)	634060	IGUS	500	CHAIN: TYPE: ENERGY; DIMENSIONS: WD 201 X HT 64 MM; MATERIAL: IGUMID G; LENGTH: 3015 MM; SPECIFICATION: VDE 0304 IIC UL94-HB; SUPPL P/N: E4.42.18.200.0; FOR USE ON OLC ASH AND T7 AND T8 COAL CONVEYORS MOVING HEADS; BENDING R200; PITCH 67MM; BRACKET TYPE KMA PIVOTING; EVERY SECOND CHAIN FRAME TO HAVE 4 OFF CABLE DIVIDERS INSTALLED; ALL TENDERS/QUOTES TO BE ACCOMPANIED BY APPLICABLE DATA SHEETS AND/OR DRAWINGS OF ITEM(S) TENDERED ON; TOTAL LINKS: 45
2)	634061	IGUS	50	CHAIN: TYPE: ENERGY; DIMENSIONS: WD 120 X HT 42 MM; MATERIAL: IGUMID G; LENGTH: 2016 MM; SPECIFICATION: VDE 0304 IIC UL94-HB; SUPPL P/N: E4.32.10.150.0; PITCH 56MM; BRACKET TYPE KMA PIVOTING; EVERY SECOND CHAIN FRAME TO HAVE 2 OFF CABLE DIVIDERS INSTALLED; FOR USE ON T4 COAL CONVEYORS MOVING HEADS; BENDING RADIUS R150; ALL TENDERS/QUOTES TO BE ACCOMPANIED BY APPLICABLE DATA SHEETS AND/OR DRAWINGS OF ITEM(S) TENDERED ON; TOTAL LINKS: 36

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3)	634059	IGUS	100	CHAIN: TYPE: ENERGY; DIMENSIONS: WD 73 X HT 54 MM; MATERIAL: VDE 0304 IIC UL94-HB; LENGTH: 2016 MM; SPECIFICATION: CPS-AMIDE (PA6+G.F); SUPPL P/N: E4.32.05.125.0; FOR USE ON TAC ASH AND T2 COAL CONVEYORS MOVING HEADS; BENDING RADIUS R125; PITCH 56MM; BRACKET TYPE KMA PIVOTING; EVERY SECOND CHAIN FRAME TO HAVE 2 OFF CABLE DIVIDERS INSTALLED; ALL TENDERS/QUOTES TO BE ACCOMPANIED BY APPLICABLE DATA SHEETS AND/OR DRAWINGS OF ITEM(S) TENDERED ON; TENDERS WITHOUT DATA SHEETS AND/OR DRAWINGS WILL BE REJECTED; TOTAL LINKS: 30
4)	634000	IGUS	100	CHAIN: TYPE: ENERGY; DIMENSIONS: WD 126 X HT 64 MM; MATERIAL: IGUDMID G; LENGTH: 2010 MM; SPECIFICATION: VDE 0304 IIC UL94-HB; SUPPL P/N: ST055N.100.R200/F-2035L; USED ON CAC AND ERC ASH CONVEYORS MOVING HEADS; BENDING RADIUS R200; PITCH 67 MM; BRACKET TYPE KMA PIVOTING; EVERY SECOND CHAIN FRAME TO HAVE 2 OFF CABLE DIVIDERS INSTALLED; ALL TENDERS/QUOTES TO BE ACCOMPANIED BY APPLICABLE DATA SHEETS AND/OR DRAWINGS OF ITEM(S) TENDERED ON; TENDERS WITHOUT DATA SHEETS AND/OR DRAWINGS WILL BE REJECTED; TOTAL LINKS: 30
5)	635955	IGUS	100	CHAIN: TYPE: ENERGY; DIMENSIONS: WD 38 X HT 24 MM; MATERIAL: PLASTIC; LENGTH: 1.2 M; MANUF P/N: 6760; REFERENCE NO: OHCB20/40 AT061-064; OHCB20/40AT051-054; OHCB20/40 AT031-034; OHCB20/40 AT021-024; 999.2635; OHCB20/40 AT041-044; FOR SOOTBLOWER

Table 1:Purchase text and Material number for four types of energy chain spares

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3.2 Contract Period: 5 Years (60 months).

3.3 Employer anticipates quantity on supplied spares covered on Table 1

a) The estimated quantities the Employer anticipates will be required for the duration of this contract. This value will be used with other estimates to determine the overall contract value. It should be noted that this is just an estimate and it does not mean that the Employer will definitely consume the spares in the duration of the contract. These quantities are therefore not fixed, and the Contractor will only supply spares when instructed by a purchase order, from the Employer, to do so.

b) The spares and components will be supplied to the "goods received" section of the Medupi main store where it will be received by the material management section. The spares will be delivered with all of the required data books and certificates, where required.

Medupi Stores Working Times:	Monday – Thursdays:	07h00 – 16h00
	Fridays:	07H00 – 12h00

c) Only once the spares have passed the Quality control checks and are booked into the system can payment be effected.

d) The Spares must be the same in all respects when compared to the original equipment, supplied to Eskom by OEM under contract. This includes all aspects such as design, materials and material specifications, manufacturing, including manufacturing processes and acceptance testing. Where spares offered deviate from the original in any respect, it should be indicated to the *Employer*.

e) It is the *Contractor*'s responsibility to ensure that correct spares are delivered. If the incorrect spares are delivered, the spares will have to be replaced with the correct spares at the *Contractor* cost. This includes transport and delivery.

f) The Delivery and Transport Costs (including off-loading items) must be included in the quotation.

g) A separate allocated sum is reserved for any energy chain related spares which is for some reason not covered under the table below, henceforth referred to as "Unspecified Spares". These spares will be supplied on a cost-plus-profit basis.

h) The *Contractor* will, as part of the Tender, specify the Profit to be used for Unspecified Spares.

i) The allocated sum for Unspecified Spares will be equal to 20% of the final total estimated value of all items listed and priced under Table 1. The Profit agreed to will be included in the 20% allocated sum.

j) Payment for Unspecified Spares can only be processed after proof of payment and/or cost of the items has been received and approved by the *Employer*.

k) The following packaging requirements should be adhered to:

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- The Goods are to be packaged in such a manner that it can be transported and stored for an extended period of time without resulting in damage to the goods.
- This includes damage due to moisture ingress, corrosion, vibration from the power station etc.
- Where lifting gear is utilised to move the goods, the packaging should allow the lifting operation and ensure that the goods are not damaged in any way during the process.
- It will also not be necessary to open packaging for any lifting or transport operation.
- Where eye bolts are fitted to move the goods, these eye bolts should be fitted such a way that they can be easily removed and replaced with the Purchaser's eye bolts, ensuring that the packaging stays intact.
- The different spares types are to be packaged separately in such a way that each type can be stored separately.
- Packaging and labelling of spares should ensure that the spare can be identified without opening the packaging.
- Where possible the packaging should ensure that parts can be positively identified through the packaging. Where this is not possible the packaging should allow opening and closing of the packaging and still maintain the packaging integrity afterwards.
- Delivery packaging to have the following detail on it as a minimum (removable adhesive sticker if possible):
    - Order number,
    - A short description of component
    - The stock number
    - Manufacturing date, where possible

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4. Acceptance

This document has been seen and accepted by

Name	Designation
Lebo Pebane	Materials Manager
Pontsho Letsholonyane	Contract Manager

5. Revisions

Date	Rev.	Compiler	Remarks
February 2029	1	PB Thlathla	First revision

6. Development Team

The following people were involved in the development of this document:

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