

 Eskom	Scope of Work	Matimba Power Station
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1. Introduction

The Dust Handling Plant plays a crucial role in conveying captured ash in the hoppers to the ash bunkers ensuring hopper levels are managed and preventing electrostatic precipitator damage and at the same time reducing dust emissions. This document highlights the SOW for the supply and delivery of Dust Handling Plant spares.

2. Supporting Clauses

2.1 Scope

This document sets out the detailed User Scope of Work requirements necessary for Dust Handling Plant maintenance auxiliary spares.

2.1.1 Purpose

The purpose of this document is to define a User Scope of Work requirement based on which a supply contract will be established between the Employer and the supplier.

Matimba Power Station is expected to perform at EAF>85, PCLF<8 and UCLF<5, and the supplied material must support this requirement.

It is therefore imperative that the successful and suitably qualified supplier aligns their company fully to these specified user supply requirements scope of work.

2.1.2 Applicability

This document shall apply to the user requirements of supply of DHP Sealing spares to Matimba Power Station.

2.1.3 Effective date

The effective date of this document is as per the date of authorization.

2.2 Normative/Informative References

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

2.2.1 Normative

[1] ISO 9001 Quality Management Systems.

[2] 32 – 1034: Procurement and Supply Chain Management Procedure

[3] 32- Preferential Procurement Policy Framework Act 5 of 2000

2.2.2 Informative

[1]. 240-62072907: Eskom Delegation of Authority Policy.

[2]. 240-165040111: Supplier Terms Policy

[3]. 32-1033: Procurement and Supply chain Management Policy

[4]. 240-141007195: Electronic Signature usage Policy

[5]. 240-156280553: Procedure for signing documentation electronically using the Eskom electronic signing system.

[6]. 240-168966153: Generation Tender Technical Evaluation Procedure

2.3 Definitions

2.3.1. Ad hoc: A solution designed for a specific problem or task, non-generalizable, and not intended to be able to be adapted to other purposes.

2.3.2. *Contractor*: Partnership agreements and service provider contracted for supplying specific service/goods to Eskom Generation Matimba Power Station.

2.3.3. Controlled Disclosure: Controlled disclosure to external parties (either enforced by law, or discretionary.

2.3.4. Employer: Eskom or Eskom Generation, Matimba Power Station.

2.3.5. Parties: The Employer and the Contractor.

2.3.6. Supply Manager: The Employer's representative in regard to the supply contract agreement.

2.4 Abbreviations

Abbreviation	Description
NECSC	Supply Contract Document
URS	User Requirement Specification.
CFT	Cross Functional Team
OEM	Original Equipment Manufacturer.
PCM	Process Control Manual.

PDF	Portable Document Format.
QCP	Quality Control Plan.
SAP	Systems, Applications Products.
TET	Technical Evaluation Team
SME	Subject Matter Expert

2.5 Roles and Responsibilities

2.5.1 Supply Manager

1. Co-ordinating and Manage contract budget and expenses.
2. Ensures that the service provider operates within the budget.
3. Communicate technical interface between Eskom and the service provider.
4. Review, verify and approve receipt of services or deliverables from the goods supplier.
5. Manage and maintain records and correspondence between the employer and service provider.
6. Ensures that the service provider comply with the terms and conditions of the contract.
7. Keep the records of the contract for history and audit purposes.

2.5.2 Contractor

1. Supply of spares service to the *Employer* in accordance with Matimba Power Station procurement process as per spares URS.
2. Ensure that quality of spares delivered in Process for Monitoring in accordance to the Scope of Work as stipulated within Matimba Power Station spares URS.
3. The supplier shall ensure that all spares are accompanied by their related user specification as per their URS.

2.6 Process of Monitoring

On delivery of spares to Matimba Power station main stores, items will be subjected to quality control. QC will be done by an End User(Engineer or Maintenance Technician) to ensure that description of delivered items complies with that of the order. Any spares not delivered as per the agreed and negotiated SOW will be rejected and the supplier must collect the rejected spares within 5 working days and delivery of the correct spare within the agreed delivery time. A default notification will be issued to the supplier in the event of this happening.

2.7 Related/Supporting Documents

[1]. NEC 3 Supply Contract.

3. Document Content

3.1 General

3.1.1 Adherence to Eskom General Policies & Standards

The Supplier shall ensure that their Employees delivering spares to site comply with Eskom's policies. and site regulations and Eskom's Life Saving Rules.

3.1.2 Quality Standard

The Supplier shall ensure that the quality of spares delivered to Matimba is as per the ISO 9001 Standard to support Matimba's objective of improving performance.

3.1.3 Document Control

All contractual communication between the *Employer* and *Supplier* shall be in written format accompanied by an official letterhead and signed by the authorised *Parties*.

All attached documentation shall be in the format of Microsoft Word/ Excel and/ or Power Point.

All contractual communication letterheads and attached documentation shall be electronically mailed as per PDF format.

3.1.4 Contractual Meetings

a) ADHOC Meetings can be scheduled and agreed upon

3.1.5 Correspondence

All verbal and non – verbal communication between the *Employer* and *Supplier* shall be communicated in an electronic format which can be read or copied.

3.2 Scope of Work Information

3.2.1 DHP Auxiliary Spares SOW

No	Material Number	Material Description and Text	Material Specifications	Criticality	Design Quantity	Required Quantity	Unit of measure
1	38782	Compensator Rubber	JOINT, EXPANSION: TYPE: COMPENSATOR; SIZE: SQ 412 MM; LENGTH: 562 MM; CONNECTION: FLANGE; MATERIAL: EPDM GLASS REINFORCED; APPLICATION: ASH DUCT; DRAWING NO: 0.58/9745 REV1 ESKOM REV 1; ESKOM 0.58/9745 REV 1; 1F; 2-PLY 6MM THK; WITH HOT SPLICE AND HOT MOULDED CORNERS; FOR ASH DUCT ABOVE EP CONVEYOR; 562MM WD X 140MM HT; P.C.D: 512MM; 16 HOLES AT 14MM DIA	C	192	16	Each
2	38780	Compensator Rubber (400SQ), CC100 - CC200	JOINT, EXPANSION: TYPE: ASH DUCT; SIZE: SQ 810 MM; LENGTH: 960 MM; CONNECTION: FLANGE; MATERIAL: EPDM GLASS REINFORCED; APPLICATION: COLLECTOR CONVEYOR; DRAWING NO: ESKOM 0.58/8913 REV 1; 0.58/8913 ESKOM REV 1;	C	12	2	Each

			ASH DUCT COMPENSATOR 3F; 2-PLY 6MM THK WITH HOT SPLICE AND HOT MOULDED CORNERS; FOR ASH DUCT BETWEEN COLLECTOR CONVEYOR; 960MM WD X 140MM HT; P.C.D: 910MM; 28 HOLES AT 14MM DIA					
3	247219	Cylindrical Seal	SEAL: TYPE: CYLINDRICAL; DIMENSIONS: ID 615 X WD 210 X THK 3 MM; MATERIAL: EPDM; APPLICATION: DHP BUCKET ELEVATOR; REINFORCEMEN T: TWO PLY FLEXTRA FABRIC, TEMPERATURE: 150 DEG C CONTINUOUSLY & 205 DEG C AT SHORT PEAKS	C	12	2	Each	
4	38784	BE Top Compensator	JOINT, EXPANSION: TYPE: ASH DUCT COMPENSATOR 5F; SIZE: WD 500 MM; LENGTH: 1.02 M; CONNECTION: FLANGE; MATERIAL: EPDM GLASS REINFORCED; APPLICATION: BUCKET ELEVATOR; DRAWING NO: ESKOM 0.58/8678 REV 1; 0.58/8678 REV2 ESKOM REV 1; ASH DUCT COMPENSATOR 5F; 500MM WD X 900MM LG; 2-PLY WITH HOT SPLICE AND HOT	C	12	2	Each	

			MOULDED CORNERS; FOR BUCKET ELEVATOR ASH DUCT; 620MM WD X 280MM HT, P.C.D: 570MM WD X 970MM LG; 18 HOLES AT 18MM DIA; 6MM THK					
5	38783	Compensator	JOINT, EXPANSION: TYPE: BELLOW; SIZE: SQ 800 MM; LENGTH: 900 MM; CONNECTION: FLANGE; MATERIAL: EPDM GLASS REINFORCED; DRAWING NO: ESKOM 0.58/8914 REV 1; 0.58/8914 REV2 ESKOM REV 1; ASH DUCT COMPENSATOR 4F; 2-PLY 6MM THK WITH HOT SPlice AND HOT MOULDED CORNERS; FOR ASH DUCT BELOW BUNKER TOP CONVEYOR; 900MM WD X 140MM HT; P.C.D. 850MM; 32 HOLES AT 14MM DIA	C	36	2	Each	
6	247232	Putty	PUTTY: TYPE: INDUSTRIAL; CONTAINER TYPE: BOX CARDBOARD; CONTAINER CAPACITY: 500 G; COLOR: GRAY; APPLICATION: DHP CASING; MANUF P/N: M639J; 8 MM X 40 MM	C	300	6	Each	
7	247219	SEAL: Cylindrical	SEAL: TYPE: CYLINDRICAL; DIMENSIONS: ID 615 X WD 210 X THK 3 MM;	C	30	6	Each	

			MATERIAL: EPDM; APPLICATION: DHP BUCKET ELEVATOR; REINFORCEMEN T: TWO PLY FLEXTRA FABRIC, TEMPERATURE: 150 DEG C CONTINUOUSLY & 205 DEG C AT SHORT PEAKS					
8	707777	Seal	SEAL: TYPE: SPLIT LIP SHAFT SEAL; DIMENSIONS: ID 110 X OD 135.4 X THK 99 MM; MATERIAL: STAINLESS STEEL; APPLICATION: DUST HANDLING PLANT; REFERENCE NO: UKXN-44009-062; SPLIT LIP SHAFT SE	C	60	10	Each	
9	707753	Seal	SEAL: TYPE: SPLIT LIP SHAFT SEAL; DIMENSIONS: ID 160 X OD 185.4 X THK 12.7 MM; MATERIAL: STAINLESS STEEL; APPLICATION: DUST HANDLING PLANT; REFERENCE NO: UKXN-44009-083	C	96	6	Each	
1 0	247219	Seal	SEAL: TYPE: CYLINDRICAL; DIMENSIONS: ID 615 X WD 210 X THK 3 MM; MATERIAL: EPDM; APPLICATION: DHP BUCKET ELEVATOR; REINFORCEMEN T: TWO PLY FLEXTRA FABRIC, TEMPERATURE: 150 DEG C CONTINUOUSLY	C	60	10	Each	

			& 205 DEG C AT SHORT PEAKS 3					
1 1	682039	PACKING:BRAIDED	PACKING: TYPE: BRAIDED; LENGTH: 50 M; WIDTH: 20 MM; MATERIAL: CERAMIC STAPLE FIBRE; ISOKERAM	C	60	10	KG	
1 2	38784	DE Com 18 hole	J JOINT, EXPANSION: TYPE: ASH DUCT COMPENSATOR 5F; SIZE: WD 500 MM; LENGTH: 1.02 M; CONNECTION: FLANGE; MATERIAL: EPDM GLASS REINFORCED; APPLICATION: BUCKET ELEVATOR; DRAWING NO: ESKOM 0.58/8678 REV 1; 0.58/8678 REV2 ESKOM REV 1; ASH DUCT COMPENSATOR 5F; 500MM WD X 900MM LG; 2-PLY WITH HOT SPLICE AND HOT MOULDED CORNERS; FOR BUCKET ELEVATOR ASH DUCT; 620MM WD X 280MM HT, P.C.D: 570MM WD X 970MM LG; 18 HOLES AT 18MM DIA; 6MM THK	C	36	6	Each	
1 4	38782	Exp Joints Comp16 EP	JOINT, EXPANSION: TYPE: COMPENSATOR; SIZE: SQ 412 MM; LENGTH: 562 MM; CONNECTION: FLANGE; MATERIAL: EPDM GLASS REINFORCED;	C	35	15	Each	

			APPLICATION: ASH DUCT; DRAWING NO: 0.58/9745 REV1 ESKOM REV 1; ESKOM 0.58/9745 REV 1; 1F; 2-PLY 6MM THK; WITH HOT SPLICE AND HOT MOULDED CORNERS; FOR ASH DUCT ABOVE EP CONVEYOR; 562MM WD X 140MM HT; P.C.D: 512MM; 16 HOLES AT 14MM DIA					
1 5	197972	Packing (3mm)	SHEET, GASKET: THICKNESS: 3 MM; LENGTH: 2 M; WIDTH: 1.5 M; MATERIAL: GRAPHITE; SUPPL P/N: 2000; NONE ASBESTOS; KLINGER;TOP GRAPH	C	200	100	Each	
1 6	38781	Expansion Joint,20-hole compensator	JOINT, EXPANSION: TYPE: COMPENSATOR; SIZE: 550 MM2; LENGTH: 700 MM; CONNECTION: FLANGE; MATERIAL: EPDM GLASS REINFORCED; APPLICATION: ASH DUCT; DRAWING NO: ESKOM 0.58/8915 REV 1; 0.58/8915 REV1 ESKOM REV 1; WITH HOT SPLICE AND HOT MOULDED CORNERS; FOR ASH DUCT ABOVE COLLECTOR CONVEYOR; 700 MM WD X 140 MM HT; P.C.D 650 MM; 20 HOLES AT 14 MM DIAMETER;	C	30	10	Each	

			MATERIAL 2 PLY 6 MM THK; 2F					
1 7	633687	Inspection Door Seals	SEAL: TYPE: DOOR HOPPER; DIMENSIONS: 19 MM; MATERIAL: IMPREGNATED ROPE; MANUF P/N: HNDBLR1- 10FFP11; DRAWING NO: BH/HEN/0	C	216	108	Metres	
1 8	38781	20 Hole Compasator	JOINT, EXPANSION: TYPE: COMPENSATOR; SIZE: 550 MM2; LENGTH: 700 MM; CONNECTION: FLANGE; MATERIAL: EPDM GLASS REINFORCED; APPLICATION: ASH DUCT; DRAWING NO: ESKOM 0.58/8915 REV 1; 0.58/8915 REV1 ESKOM REV 1; WITH HOT SPlice AND HOT MOULDED CORNERS; FOR ASH DUCT ABOVE COLLECTOR CONVEYOR; 700 MM WD X 140 MM HT; P.C.D 650 MM; 20 HOLES AT 14 MM DIAMETER; MATERIAL 2 PLY 6 MM THK; 2F	C	35	16	Each	
1 9	197972	Sheet GSKT	SHEET, GASKET: THICKNESS: 3 MM; LENGTH: 2 M; WIDTH: 1.5 M; MATERIAL: GRAPHITE; SUPPL P/N: 2000; NONE ASBESTOS; KLINGER;TOP GRAPH	C	32	16	Each	

20	162886	Wedge Insulator	WEDGE: TYPE: INSULATION; DIMENSIONS: SQ 38 X THK 25 MM; MATERIAL: GRAPHITE; REFERENCE NO: 328300933; CARBONE LUBE BLOCK; MANUFACTURED BY LE CARBONE	C	35	16	Each	
21	756528	Bypass Pipe	PIPE: INSIDE DIAMETER: 150 MM; LENGTH: 5 M; MATERIAL: REINFORCED RUBBER; ENDS: FLANGED; TYPE: ASH CONVEYING PIPE	C	96	16	Each	
22	756527	Bypass Pipe	PIPE: INSIDE DIAMETER: 150 MM; LENGTH: 6 M; MATERIAL: REINFORCED RUBBER; ENDS: FLANGED; TYPE: ASH CONVEYING PIPE	C	96	16	Each	
23	756526	Bypass Pipe	150 MM; LENGTH: 7 M; MATERIAL: REINFORCED RUBBER; ENDS: FLANGED; TYPE: ASH CONVEYING PIPE	C	96	16	Each	
24	756525	Bypass Pipe	PIPE: INSIDE DIAMETER: 150 MM; LENGTH: 9 M; MATERIAL: REINFORCED RUBBER; ENDS: FLANGED; TYPE: ASH CONVEYING PIPE	C	96	16	Each	
25	38781	JOINT EXPSN:COMPENSATOR;5 50 MM2;LG 700	JOINT, EXPANSION: TYPE: COMPENSATOR; SIZE: 550 MM2; LENGTH: 700 MM; CONNECTION: FLANGE; MATERIAL: EPDM	C	48	8	Each	

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			GLASS REINFORCED; APPLICATION: ASH DUCT; DRAWING NO: ESKOM 0.58/8915 REV 1; 0.58/8915 REV1 ESKOM REV 1; WITH HOT SPlice AND HOT MOULDED CORNERS; FOR ASH DUCT ABOVE COLLECTOR CONVEYOR; 700 MM WD X 140 MM HT; P.C.D 650 MM; 20 HOLES AT 14 MM DIAMETER; MATERIAL 2 PLY 6 MM THK; 2F					
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