

 Eskom	Scope of Work	Matimba Power Station
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Title: **Matimba Power Station, Supply and Delivery of DHP Spares(Auxiliary)**

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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 Auxiliary DHP 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 regarding 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 Contract 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 the quality of spares deliveries Process for Monitoring in accordance to the Scope of Work.
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 spare/s 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 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

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[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	38337	Disc	DISC:FIXING;WD 75 X LG 115 X THK 12 MM	C	600	200	Each
2	110199	Clip	CLIP: TYPE: PRECIPATOR BOTTOM/MAST; DIMENSIONS: WD 20 X THK 1 MM; MATERIAL: STL GR CS70 BS 1449; DRAWING NO: ESK 20.58/52538 REV 1; REFERENCE NO: 3283-009-11; U-SHAPED; HEAT TREATMENT: 475-525HV; USED ON ELECTROSTATIC; SPRING STEEL; BOTTOM GRID MAST; MANUFACTURED ACCORDING TO DRAWING	C	500	200	Each
3	211260	Collars(Bolts)	COLLAR: DIMENSIONS: 16 MM; MATERIAL: STL GR 8.8; TYPE: COMPRESSION BOLT; SUPPL P/N: 16F; TYPE: 3LC2R20G, FLANGED, TENSILE STRENGTH	C	600	200	Each
4	237002	Pins	PIN: DIAMETER: 16 MM; LENGTH: 110 MM; MATERIAL: STL; SUPPL P/N: 1631FT; REFERENCE NO: C50L90-BR20-20; BLACK CSK, 8.8 TENSILE STRENGTH	C	600	200	Each
5	236895	Washer	WASHER: TYPE: LINK PIN; NOMINAL SIZE: 16 MM; INSIDE	C	600	200	Each

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			DIAMETER: 17 MM; OUTSIDE DIAMETER: 60 MM; THICKNESS: 3 MM; MATERIAL: CS; SUPPL P/N: LM16RD; REFERENCE NO: C50L90-BR20-20					
6	110324	Springs	SPRING, COMPRESSION: INSIDE DIAMETER: 30 MM; OUTSIDE DIAMETER: 35 MM; LENGTH: 80 MM; COILS: 5; MATERIAL: SPRING STL; COMPRESSED LENGTH: 25 MM; REFERENCE NO: SPRING; FOR BUCKET ELEVATOR MECHANISM; SIZE	C	72	35	Each	
7	38334	BE, Bucket	BUCKET: TYPE: ELEVATOR; MATERIAL: STL; SUPPL P/N: GB3- 1393; DRAWING NO: SKO-8356-F ITEM 10 MOLLERS REV 1; ERIGER ERI/0076.43.987.0 0467 REV 1; MOLLERS SKO- 8356-F REV 1; MT05097 PT&M REV 1; ERI/0076.43.987.0 0467 ERIGER REV 1; SIZE WD 35MM X LG 65MM LG; BS4360-43A; 630	C	996	166	Each	
8	27377	Drive Pulley Lagging	KIT: TYPE: REPAIR; APPLICATION: BASE PULLEY RUBBER; LAGGING FOR BUCKET ELEVATOR DRIVE; SIZE 900MM O/DIAMETER X 800MM FACE WIDTH, ONE COMPLETE SET CONSIST OF: 18 X	C	216	36	Sets	

			300MM LONG RAPID LAG PADS, 36 X 250MM LONG RAPID LAG EDGE CROWNS, 16 X 800MM LONG DOUBLE RETAINING STRIPS, 4 X 800MM LONG SINGLE RETAINING STRIPS; RAPID LAG PULLEY LAGGING ONLY; OVERALL WIDTH OF LAG PADS 135MM, DIFFERENT SIZE LAG PADS AND STRIPS TO BE ADEQUATELY STRAPPED TOGETHER				
9	28460	Bucket belt	BELT, CONVEYOR: WIDTH: 680 MM; LENGTH: 90 M; CLASS: ST2000; PLY: 3 (BOTTOM X TOP); MATERIAL: KLEBER TRANSLEV; BOTTOM COVER THICKNESS: 3 MM; TOP COVER THICKNESS: 3 MM; TYPE: BUCKET ELEVATOR; OVERALL THICKNESS: 15 MM; DRAWING NO: 20.58/56935 REV 1; REFERENCE NO: LPMW21; BUCKET ELEVATOR BELT TO BE PUNCHED ACCORDING TO DRAWING NO:0.58/56935, TEMPERATURE 130 DEGREE. THE BELT MUST BE FULLY CABLED, NO CABLE FREE ZONES ALLOWED. THE BELT TO BE SUPPLIED WITH	C	12	2	Each

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			MATERIAL CERTIFICATE					
10	147788	Air Filters	FILTER, AIR: TYPE: INLINE; DIMENSIONS: DIA 75 X HT 185 MM; MATERIAL: PLASTIC PC; REFERENCE NO: F30-C8-F00 J11; CTA105; MAX. PRESSURE: 150 PSI; TEMPERATURE: 125 DEG FARENHEIT	C	12	6	Each	

No	Material Number	Material Description and Text	Material Specifications	Criticality	Design Quantity	Required Quantity	Unit of measure	
11	571002	Isolating Knife Gate	GATE: TYPE: KNIFE; DIMENSIONS: WD 300MM X LG 1M; MATERIAL: STL; DRAWING NO: VKN-309-00 REV 0; ENSURE THAT A GLAND FOLLOWER IS INSTALLED ON THE SIDE GATE; COLOUR: RED IRON OXIDE; REVOLVING NUT MATERIAL: BRONZE; REVOLVING NUT LENGTH: 75MM; USED AT FLY ASH/DUST (150DEG C); FLANGE PCD=380MM; TOP-BOTTOM FLANGE THICKNESS=100MM; CHAIN WHEEL OPERATED; DISTANCE BETWEEN HOLE CENTER=105MM; THE FLANGE HOLE SIZE=18MM; SLIDE GATE TO BE SUPPLIED WITH THE CHAIN 4M LONG; MATERIAL CERTIFICATE T	C	32	32	Each	
12	38682	VALVE GATE:WD 520 X THK 140 MM;KNIFE;35	VALVE, GATE: VALVE SIZE: WD 520 X THK 140 MM; TYPE: KNIFE; DESIGN PRESSURE: 35 KPA; DESIGN TEMPERATURE: 83 DEG C; CONNECTION: FLANGE; FACE TO FACE LENGTH: 1.065 M; BODY MATERIAL: MS; TRIM: GATE STL; OPERATED: CHAIN, HANDWHEEL; STEM DESIGN: NON RISING; STYLE: UNION BONNET; TEMPERATURE RATING: -20 TO 100 DEG C; APPLICATION: ASH PLANT;	C	48	10	Each	

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			SPECIFICATION: ANSI 150 IBS; DESIGN RATING: CL150; REFERENCE NO: SZ.400; SS BLADE; SHUT-OFF; FOR ASH SILO; WITH LIMIT SWITCH AND CHAIN; SIZE 520MM WIDE X 140MM THICK; 12 X 18MM HOLES; 156MM CENTRE TO CENTRE; C/W LIMIT SWITCH					
14	66750	VALVE BTRFLY:WAFER;150 MM;10 BAR;80;52	VALVE, BUTTERFLY: TYPE: WAFER; VALVE SIZE: 150 MM; DESIGN RATING: 10 BAR; TEMPERATURE RATING: 80 DEG C; CONNECTION: CLAMP; BODY MATERIAL: CAST IRON; FACE TO FACE LENGTH: 52 MM; OPERATED: LEVER; TRIM: DISC SS; SEAT EPDM; REFERENCE NO: 3T6PSGX4; EPDM RUBBER LINED; MATERIAL AND TEST CERTIFICATES TO DIN 50049/3.1B ARE TO BE SUPPLIED ON DELIVERY	C	96	16	Each	