Eskom	Scope Of Work	Generation

Title:
Supply and delivery of Kriel Power Station EMD Spares "As and when" required basis for a period of 3 years.

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1. INTRODUCTION

Kriel Power Station, a vital component of South Africa's energy infrastructure, requires the procurement of production equipment to ensure its continued operation and maintenance. This scope of work outlines the process for procurement of the necessary production equipment to support the power station's activities and maintain its optimal performance.
The primary objective of this procurement initiative is to secure reliable, high-quality, and cost-effective machinery and equipment that meet the specific needs of Kriel Power Station. By engaging reputable suppliers and contractors, the power station aims to enhance its operational efficiency, minimize downtime, and ensure the safe and smooth functioning of its facilities.

The scope of work encompasses a comprehensive range of machines and equipment. The selection process will prioritize suppliers who demonstrate a proven track record of delivering quality equipment, providing exceptional *customer* service, and offering competitive pricing.

To ensure the successful implementation of this procurement initiative, a structured approach will be employed. This will involve defining clear specifications for each type of machine and equipment, establishing evaluation criteria for potential suppliers, and conducting thorough assessments to select the most suitable providers. The procurement process will be guided by the principles of transparency, fairness, and compliance with relevant regulations and industry standards.

2. SUPPORTING CLAUSES

2.1 SCOPE

The primary purpose of the scope of work for procuring equipment for Kriel Power Station is to ensure the power station has access to the necessary tools and machinery to maintain its operational efficiency, carry out routine maintenance tasks, and undertake critical projects. By procuring a wide range of reliable, high-quality equipment, Kriel Power Station aims to enhance its overall performance, minimize downtime, and ensure the safe and smooth functioning of its facilities.

The scope of work functions as an all-inclusive roadmap for the procurement process, delineating the precise categories of machines and equipment needed, the technical requirements they must fulfil, and the benchmarks for choosing appropriate suppliers. This systematic methodology guarantees that the power station obtains equipment that is suitable for its intended use, adheres to pertinent industry norms and regulations, and offers the optimal return on investment.

2.1.1 PURPOSE

The purpose of the document is to provide a scope of work for the supply and delivery of EMD Spares on an "as and when " required basis for a period of 3 years.

2.1.2 APPLICABILITY

This document is applicable to Kriel Power Station Maintenance Department.

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2.2 NORMATIVE/INFORMATIVE REFERENCES

2.2.1 NORMATIVE

[1] ISO 9000: Quality Management Systems

[2] QM 58 Supplier Contract Quality Requirements.

2.2.2 INFORMATIVE

Not applicable.

2.3 DEFINITIONS

Definitions	Description
Specification	Is the technical description given by Eskom to describe the stock item required by the business

2.3.1 DISCLOSURE CLASSIFICATION

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

2.4 ABBREVIATIONS

Abbreviations	Description
NEC	New Engineering Contract
OEM	Original Equipment Manufacture
QC	Quality Control
SOW	Scope Of Work
EMD	Electrical Maintenance Department

2.5 ROLES AND RESPONSIBILITIES

Roles and responsibilities are as follows:

End User

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- Responsible in ensuring that the quality checking of the supplied equipment specification is correct and useable prior to the item being binned.

2.6 PROCESS FOR MONITORING

Quality control on incoming product will be done, and all equipment is to be signed off by the appointed QC personnel/Engineer/End user to ensure the quality of the goods is according to standard.

3. THE *WORKS*

3.1 DESCRIPTION OF THE *WORKS*

The works is for the supply and delivery of Spares according to the following categories and quantities:

Item Number	Material Number	Description	Quantity
1.	0760857	AIR HANDLING UNIT: TYPE: FLOOR STANDING; PRESSURE RATING: 4.2 MPA; CAPACITY: 60000 BTU; SUPPLY AIR FLOW CAPACITY: 5100; ELECTRICAL RATING: 380 V; MATERIAL: ANTI-RUST CABINET; REFRIGERANT TYPE R410A	8
2.	0760761	AIR HANDLING UNIT: TYPE: FLOOR STANDING; PRESSURE RATING: 4.2 KPA; CAPACITY: 76000 BTU; SUPPLY AIR FLOW CAPACITY: 4300 M3/HR; ELECTRICAL RATING: 380-415 19A V; MATERIAL: ANTI-RUST CABINET; TEMPERATURE RATING: -7 TO 46 DEG; STANDARD: REMOTE CONTROLLER; REFRIGERANT TYPE R410A	8
3.	0760764	AIR HANDLING UNIT: TYPE: FLOOR STANDING; PRESSURE RATING: 4.2 KPA; CAPACITY: 96000 BTU; ELECTRICAL RATING: 380 ,3ph V; MATERIAL: ANTI-RUST CABINET; AIR FLOW RATE 4000MCUBIC/H OPERATING TEMP RANGE -7TO 52DEC C REFRIGERANT TYPE R410A	8
4.	0760855	COMPRESSOR: TYPE: ROTARY COMPRESSOR; SIZE: 24000 BTU; POTENTIAL: 220 V; PRESSURE RATING: 2.7 MPA; REFRIGERANT TYPE R410A;	15

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		VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	
5.	0760858	COMPRESSOR: TYPE: ROTARY COMPRESSOR; SIZE: 18000 BTU; POTENTIAL: 220 V; PRESSURE RATING: 2.7 MPA; POWER: 1.115 W; CURRENT: 5.1 A; REFRIGERANT TYPE R410A; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	15
6.	0760574	METER, ELECTRICAL: TYPE: 5KVA HVIT; RANGE: 500 TO 5000 V; READOUT: TRUE RMS; STYLE: DIGITAL; FACE SIZE: STANDARD S; INSULATION TESTER, RESISTANCE UP TO 10TOHMS 500V,1000V,2500V,5000V AC/DC VOLTMETER PI INDICATION	3
7.	214944	TOOL BOX: TYPE: ELECTRICAL; DIMENSIONS: WD 250 X LG 550 X HT 220 MM; MATERIAL: STL; 5 TIER TOOLBOX GEDORE BRAND, TO BE EQUIPPED WITH THE FOLLOWING TOOLS AND THEIR BRANDS ONLY: EIGHT BRAND: ALLEN KEYS SET (IMPERIAL); EIGHT BRAND ALLEN KEYS 1MM-10MM (METRIC), R AND W BRAND: BALL PEIN HAMMER 700G, STANLEY BRAND: 99E CABLE KNIFE WITH INTERLOCKING AND RETRACTABLE BLADE; ECLIPSE BRAND: CENTRE PUNCH; MITCO BRAND CHISSEL FLAT 100MM, GEDORE/CRESCENT BRAND: CIRCLIP PLIERS - INNER140MM; GEDORE/CRESECENT BRAND CIRCLIP PLIERS INNER - BENT 90 DEGREES 140 MM;GEDORE/CRESCENT BRAND CIRCLIP PLIERS - OUTER 140MM; GEDORE 1B 26 COMBINATION RING FLAT SPANNERS 6MM-24;CTR 0323 CRIMPING PLIERS 1.25MM - 8MM FOR PRE-INSULATED LUGS; GEDORE/CRESCENT DIAGONAL CUTTER(SIDE CUTTERS) 200MM; MOORE & WRIGHT DIVIDER 150MM; RABONE ENGINEERS SQUARE 150MM; NICHOLSON/PFERD FILE - BASTARD;	30

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		NICHOLSON/PFERD FILE - SECOND CUT; NICHOLSON/PFERD FILE - SMOOTH; ECLIPSE HACKSAW 20T; ECLIPSE HACKSAW MINI; GEDORE/CRESCENT LONG NOSE PLIERS 150MM; MITCO/ECLIPSE PIN PUNCHES; GEDORE/CRESENT PLIERS - INSULATED - ENGINEER - 200MM; GEDORE/CRESCENT PLIERS - ROUND NOSE - 25/160MM; WERA TIPPED SCREW DRIVER - FLAT - 10MM X 300MM; WERA TIPPED SCREW DRIVER - FLAT - 3.5MM X 75MM; WERA TIPPED SCREW DRIVER - FLAT - 4MM X 100MM; WERA TIPPED SCREW DRIVER - FLAT - 6.5MM X 100MM; WERA TIPPED SCREW DRIVER - FLAT - 8MM X 150MM; WERA TIPPED SCREW DRIVER - PHILLIPS (STAR) NO 1 X 75MM; WERA TIPPED SCREW DRIVER - PHILLIPS (STAR) NO 2 X 100MM; 222 SCRIBER; BAHCO SHIFTING SPANNER 100MM; BAHCO SHIFTING SPANNER 200MM; GEDORE SOCKET SET C 19 HMZ; ASAHI STEEL RULE 300MM; STANLEY TAPE MEASURE 5 METER; MELCO TUBE SPANNERS 0BA TO 10 BA; GEDORE 137250 VICE GRIPS 250MM VEE JAW; GEDORE/CRESCENT WATER PUMP/GAS PLIERS 250MM; P T S 4 WIRE STRIPPER AND CUTTER PTS4; FLUKE 177 DIGITAL MULTIMETER	
8.	697109	RESISTOR: RESISTANCE: 3.92 OHM; RATING: 220 VDC; CONNECTION: 3 STAGE RESISTOR MILL BANK; MATERIAL: STAINLESS STEEL GRIDS; TOLERANCE: RES PER STEP: R1-R2 = 4.01, 23A; R2-R3 = 2.11, 32A; R3-R4 = 1.05, 39A; TYPE: STARTING; CURRENT: 61 A; MANUF P/N: MG50; U1 TO U6; DC SEAL OIL MOTOR; COMPRISING OF 1 LOOSE BANK TYPE, 7.09 OHMS	6
9.	664248	AIR CONDITIONER: TYPE: MIDWALL SPLIT UNIT; CAPACITY RATING: 1800 BTU/HR; REFRIGERANT: R410A; COMPRESSOR UNIT TYPE: ROTARY; CONDENSER COOLING TYPE: AIR; POWER SOURCE: 220-240 V, 1 PH, 50/60 HZ; SUPPL P/N: QHC018DS; MODEL NO: QHC;	204

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		COOLING CLASS: B; HEATING: C; COOLING CAPACITY; 5.2(0.8-5.8)KW/1700BTU/H; HEATING CAPACITY: 5.2(1.0-6.0)KW/1800BTU/H; MAX RATED CURRENT: 12.5A; MAX RATED INPUT: 2750W; IDU NOISE (HIGH; MEDIUM; LOW; SILENCE) 42/37/35/24DB(A); VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	
10.	761932	METER, ELECTRICAL: TYPE: 325 CLAMPS; RANGE: 400 A; READOUT: TRUE RMS; STYLE: DIGITAL; FACE SIZE: standard ATM; 325 RMS CLAMP METER TRUE-RMS AC/DC CURRENT, VOLTAGE, TEMPERATTURE, FREQUENCY, CLAMP METER TEST LEADS AC AND DC	45
11.	760437	METER, ELECTRICAL: TYPE: FLUKE 1507; RANGE: 0 to 1000 DC; READOUT: TRUE RMS; STYLE: DIGITAL; FACE SIZE: standard S; FLUKE 1507 INSULATION RESISTANCE TESTER 50-1000V 0,01MOHMS TO 10GOHMS 50V,100V,250V,500V,1000V	10
12.	760436	METER, ELECTRICAL: TYPE: 177; RANGE: -1to1000 V; READOUT: TRUE RMS; STYLE: DIGITAL; FACE SIZE: standard ATM	45
13.	0787277	PROBE, TEST: CONNECTION: SERIES; DIMENSIONS: 1.2 MM; COLOR: BLACK AND RED; QUANTITY PER SET: 2; APPLICATION: MEASUREMENT SYSTEM	100
14.	0787435	BATTERY: TYPE: CALCIUM LEAD ACID; POTENTIAL: 12 V; CURRENT CAPACITY: 230 AH; MANUF P/N: FMF230; MODEL NO: SSB-E-SMF230-12V-230AH-C20; DIMENSIONS (LXWXH): 517MM X 276MM X 217MM. HEIGHT (INCLUDING TERMINAL):240MM. MASS/WEIGHT: 60.5 KG. TERMINAL: LUG	12

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3.2 PERFORMANCE GUARANTEES

All guarantees and warrantees that come as part of the sale will be passed on to Eskom even if Eskom does not buy the items or spares directly from the OEM.

- **"In terms of Section 56(2) of the Consumer Protection Act 68 of 2008 ("CPA") a consumer may return goods to the supplier, without penalty and at the supplier's risk and expense, if the goods fail to satisfy the requirements and standards contemplated in section 55, within six (6) months after the delivery of such goods".**

3.3 STANDARDS, SPECIFICATIONS AND PROCEDURES

All material and equipment shall be new and of the standard and quality specified.

The design and manufacture of equipment shall be carried out and tested in accordance with the latest issue or amendments of the following Standards and Regulations, as applicable:

Relevant Standards and Codes

Document Number	Title
Eskom Standards	
240-55944466	Supplier Contract Quality Requirement's Specification
QM 58	Supplier Contract Quality Requirements
General Standards	
ISO 9001	Quality Management Systems.

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation
[redacted]	Senior Advisor

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[redacted]	Senior Technician
[redacted]ela	Senior Advisor
[redacted]	EMD Manager
[redacted]	Maintenance Manager

5. REVISIONS

Date	Rev.	Compiler	Remarks
September 2026	4	[redacted]	Additions on the tittle, "AS AND WHEN" required basis for a period of 3 years.
September 2026	3	[redacted]	Additions on the title, replaced production equipment by spares
August 2026	2	[redacted]	Additional equipment added
August 2026	1	[redacted]	Document reviewed
October 2025	0	[redacted]	Developed the SOW

6. DEVELOPMENT TEAM

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

- [redacted]
- [redacted]

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