

	Scope of Works	Matimba Power Station
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Title: **Supply and delivery of steam traps to Matimba Power Stations** Document Identifier: **N/A**

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Area of Applicability: **Matimba Power Station**

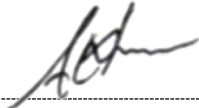
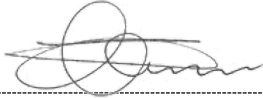
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Compiled by	Supported by	Approved by
		
M Mokoena Senior Engineer	R Nel Boiler Engineering Manager	J Mathobela Engineering Manager
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1. Introduction

As part of fluid handling and conditioning, steam traps play a critical role in ensuring that any accumulating of condensate is remove from the process piping ensuring that heat (energy) is utilised to keep steam conditions at desired temperature and mitigate water hammering which poses a risk of failure of the pipework system (supports).

For this reason, the steam traps are to be maintained and ensure that spares are available for maintenance intervention. Thus, a need for the station to have a contract for steam traps is a no brainer.

2. Supporting Clauses

2.1 Scope

Supply of steam traps. The word “supply” in throughout this document will be used to mean **manufacture as specified and in accordance with minimum international practice and guidelines or Eskom’s requirements and deliver to Matimba Power Station withing the agreed lead time.**

2.1.1 Purpose

The purpose of this document is to detail the scope of works and the quality requirements thereof/

2.1.2 Applicability

This document shall apply to the content in this document Power Station.

2.1.3 Effective date

The effective date of this document is as per the date and signature of the approver.

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] ISO 14001 Environment

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2.2.2 Informative

[1] Tender Technical Criteria.

[2] Occupational Health and Safety (OHS) Act 85 of 193

2.3 Definitions

2.3.1. Supply: Manufacture as specified and in accordance with minimum international practice and guidelines or Eskom's prescription, and deliver to Matimba Power Station withing the agreed lead time

2.4 Abbreviations

Abbreviation	Description
EAF	Energy Availability Factor
RTS	Return to service
ISO	International Organization for Standardization

2.5 Process of Monitoring

To ensure that the spares that are meet the required specification, all spares delivered shall be inspected upon delivery (famously known as QC) by maintenance personnel who is familiar with the component, artisan, and the Engineer.

2.6 Related/Supporting Documents

[1] Tender Technical Criteria Document Content

2.7 Compliance

2.7.1 Safety, health, and environment

The supplier (its personnel) shall ensure that it observe all Eskom's policies, site regulations and particularly Eskom's Life Savings rules.

2.7.2 Quality

The supplier is required to conduct all its activities (as a minimum) per its own quality management process/system in accordance the suppliers ISO 9001 certification.

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2.8 Scope of Work Information

The list of all the items and its specification are listed on the Table below. All the requirements are stipulated in the specifications and other requirements will be observed from the technical criteria.

	Material No	Description	Qty
10	783765	STEAM TRAP, MECH TEMP CONTR, DESIGN PRESSURE 10 BAR, DESIGN TEMPERATURE 60 DEG C, PN16, FLANGED ENDS ACC DIN2533, DN65, MATERIAL GG25, LENGTH 290 MM, TYPE M2FR, TO BE SUPPLIED WITH MATERIAL CERTS EN 10204 3.1 AND ALL OTHER MANUFACTURING DOC ACC TO PER/PED	12
20	763190	TRAP, STEAM: TYPE: BALLFLOAT; CONNECTION: WELDED (DIN 2559 F22); PRESSURE RATING: 210 BAR; MATERIAL: 13CRMO44; REFERENCE NO: UNA 310; DESIGN TEMPERATURE 543 DEG C, WELD ENDS ACC DIN 2559 F22, 33.7MM X 4.5MM, DN25, LEGNTH 343MM, TO BE SUPPLIED WITH MATERIAL CERTIFICATE EN10204 3.1 AND ALL OTHER MANUFACTURING DOCUMENTS ACC TO PER/PED; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	30
30	762590	TRAP, STEAM: TYPE: THERMAL; CONNECTION: WELDED (DIN 2559 F22); PRESSURE RATING: 18 BAR; MATERIAL: C22.8; REFERENCE NO: BK 15; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	90
40	58760	TRAP, STEAM: TYPE: AUTOMATIC; CONNECTION: BW 15 MM; PRESSURE RATING: 125 BAR AT 350 DEG C; MATERIAL: 13CRMO44; REFERENCE NO: BK29; WELD-IN ENDS: 21.3MM X 2.3MM, DIN 2559, CODE 22	39
50	58756	TRAP, STEAM: TYPE: AUTOMATIC; CONNECTION: BW 15 MM; PRESSURE RATING: 250 BAR; MATERIAL: 10CRMO910; REFERENCE NO: ITEM343107; GESTRA, TYPE BK212, NB15/NP630, WITH WELD IN ENDS AT INLET 21.3 X 2.3MM, 810CRMO910 AT OUTLET 21.3 X 2.3MM, 15MO3, DIN 2559, CODE 22	39
60	58761	TRAP, STEAM: TYPE: AUTOMATIC; CONNECTION: BW 25 MM; PRESSURE RATING: 125 BAR AT 350 DEG C; MATERIAL: 13CRMO44; REFERENCE NO: BK29; 33.7MM OD X 2.6MM THK, DIN 2559, CODE 22	39
70	58758	TRAP, STEAM: TYPE: AUTOMATIC; CONNECTION: SW 15 MM; PRESSURE RATING: 60 BAR; MATERIAL: 15M03; SUPPL P/N: BK46-DN 25-NP 40; WITH WELD-IN ENDS 33.7MM X 2.6MM, DIN 2559, CODE 22	39
80	58755	TRAP, STEAM: TYPE: AUTOMATIC; CONNECTION: SW 25 MM; PRESSURE RATING: 22 BAR; MATERIAL: GR C22.8; REFERENCE NO: BK15, NB 25 NP 40; WITH WELD-IN ENDS SIZE: 33.7MM X 2.6MM, DIN 2559, CODE 22	39

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	Material No	Description	Qty
90	58762	TRAP, STEAM: TYPE: AUTOMATIC; CONNECTION: SW 28 MM; PRESSURE RATING: 110 BAR; MATERIAL: 13CRMO44; TYPE BK29, NB 25, NP 160, WITH WELD-IN ENDS, 33.7MM X 2.6MM, DIN 2559, CODE 22, OUTLET CONNECTION MATERIAL 15MO3	39
100	58759	TRAP, STEAM: TYPE: AUTOMATIC; CONNECTION: SW 38 MM; PRESSURE RATING: 85 BAR; MATERIAL: 15M03; REFERENCE NO: BK28; NB 25, NP 20, WITH WELD-IN ENDS, 33.7MM X 2.6MM, DIN 2559, CODE 22	39
110	58757	TRAP, STEAM: TYPE: AUTOMATIC; CONNECTION: SW 38 MM; PRESSURE RATING: 14.5 BAR AT 450 DEG C; MATERIAL: C22.8; TYPE BK15, NB 25, NP 40, WITH WELD-IN ENDS, 33.7MM X 3.2MM, DIN 2559, CODE 22	39
120	148575	TRAP, STEAM: TYPE: FLOAT UNA; CONNECTION: FLANGE 40 MM; PRESSURE RATING: 4 BAR; MATERIAL: CI ZINC PLTD; SUPPL P/N: EP305; GESTRA, POWER RATING: 26 VOLT	39
130	58763	TRAP, STEAM: TYPE: FLOAT; CONNECTION: FLANGE 50 MM; PRESSURE RATING: 25 BAR; MATERIAL: GS GR C25; REFERENCE NO: UNA; SEAT A05, WITH CONNECTION FLANGES DIMENSIONED AND DRILLED TO DIN 2635	39

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