Eskom	Scope of Work	Kusile Power Station

Title: **Kusile Power Station Absorber bleed system suction strainer fabrication and installation scope**

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1. Introduction

This document serves as the SOW for the fabrication and installation of the bleed system suction strainer for test modification purposes.

2. Supporting Clauses

2.1 Scope

2.1.1 Purpose

2.1.2 Applicability

This document shall be applicable to the Absorber bleed system.

2.1.3 Effective date

Effective from date of signature

2.2 Normative/Informative References

2.2.1 Normative

[1] ISO 9001 Quality Management Systems

[2] I00009-03878241160100-PRMAN-0001-001-A-WFGD Operation Manual _Section 1 – 3

[3] 240-82869282 Kusile Power Station - Maintenance Execution Strategy for the FGD Unitised Plant Rev.4

[4] 366-21641 GENERAL LAYOUT PLAN VIEW AND SECTIONS

[5] ISO 14001 Environmental Management System

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2.2.2 Informative

Not Applicable

2.3 Abbreviations

Abbreviation	Explanation
BOP	Balance of Plant
FGD	Flue Gas Desulphurisation
QCP	Quality Control Plan
SOW	Scope of Work

2.4 Roles and Responsibilities

Department	Responsibility
Engineering	Draw up the SOW and submit to Maintenance
Maintenance	Issue the SOW to the contractor(s)
Contractor(s)	Execute the SOW to the required standard

3. Absorber Bleed Pumps Suction Strainer

3.1 Scope of Work

The following SOW must be executed:

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System	Component	Major scope	Activities	Responsibility
UAbsorber	Bleed System	**Contractor Workshop:** Fabrication of the strainer.	Produce and Approve manufacturing drawings	Contractor
			Fabricate the strainer	Contractor
			Transport the strainer to site.	Contractor

3.1.1 Strainer Details

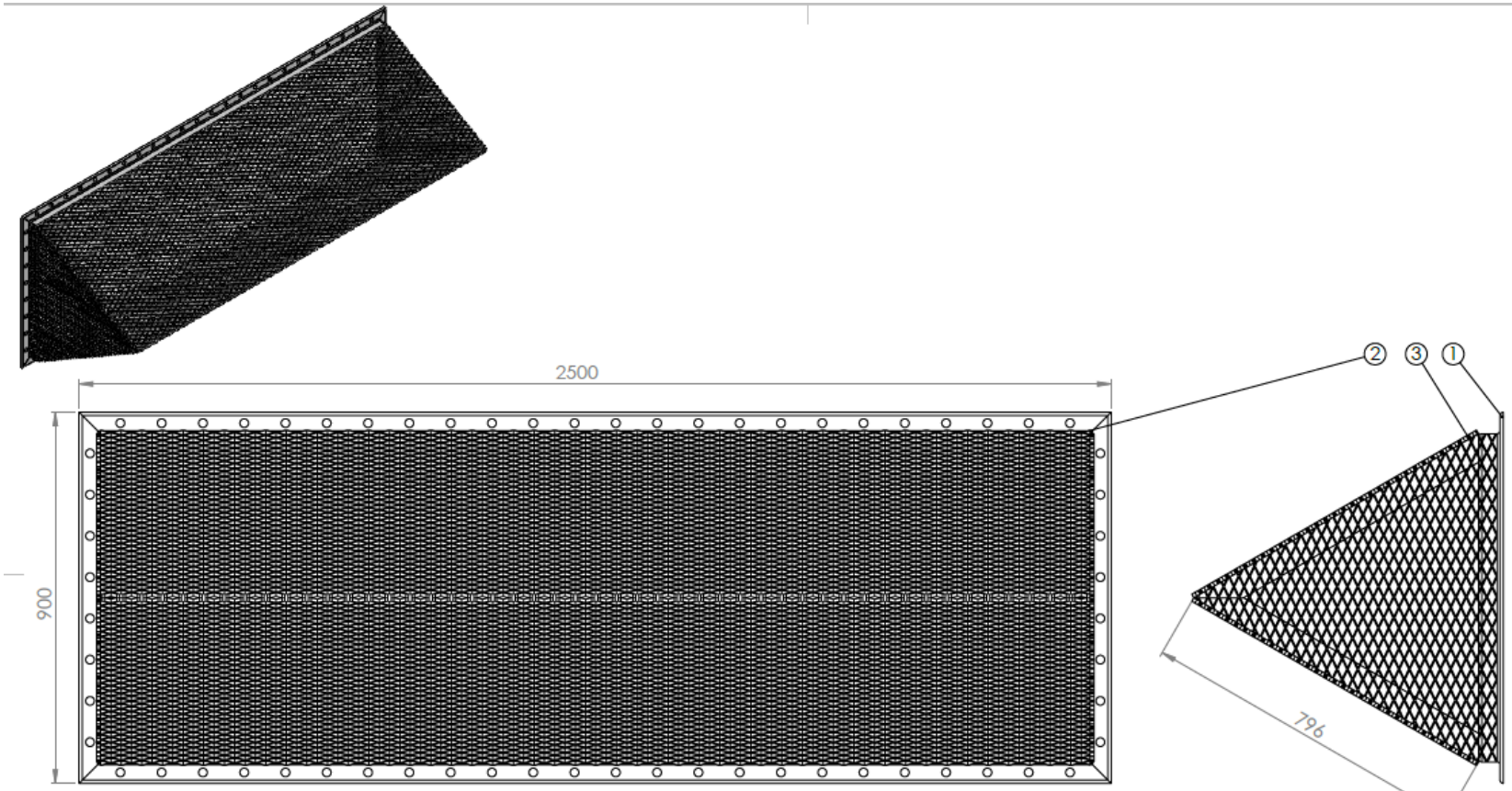
Frame: S355JR angle iron 60x60x8mm, to be rubber lined.
Mesh: Stainless steel Expanded metal mash coated with epoxy.
Mesh size: Shortway – 25mm
Length – 50mm
Strands width – 10mm

Strands thickness – 3mm

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ITEM NO.	DESCRIPTION	QTY	PART NUMBER
3	TRIANGULAR MESH	2	KSL-BPS-002
2	RECTANGULAR MESH	2	KSL-BPS-001
1	STRAINER FRAME	1	KSL-BPS-020

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3.1.2 Strainer Installation

Figure 1 shows the strainer installation section in the absorber.

Pre-installation:

Remove the rubber along the portion where the frame is to be welded.

Mounting frame to be welded on the absorber shell as per figure 2 and rubberline. The frame to cover the bleed suction nozzles as indicated in figure 1 at elvevation of 280mm.

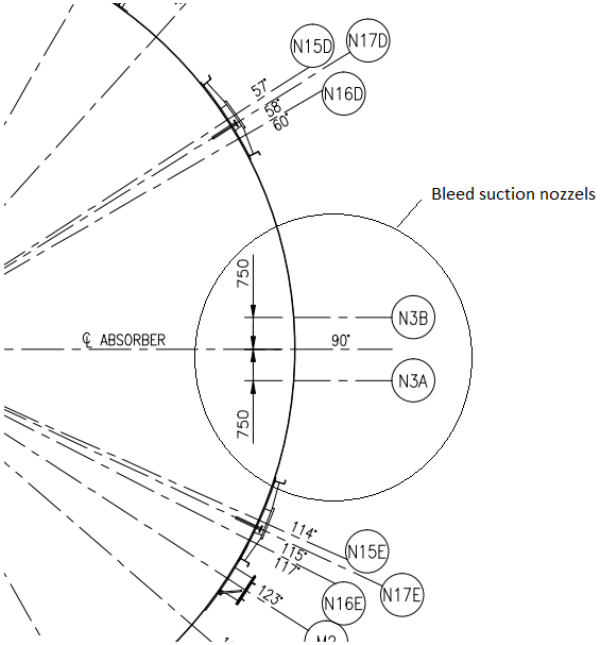


Figure: Bleed suction nozzels position.

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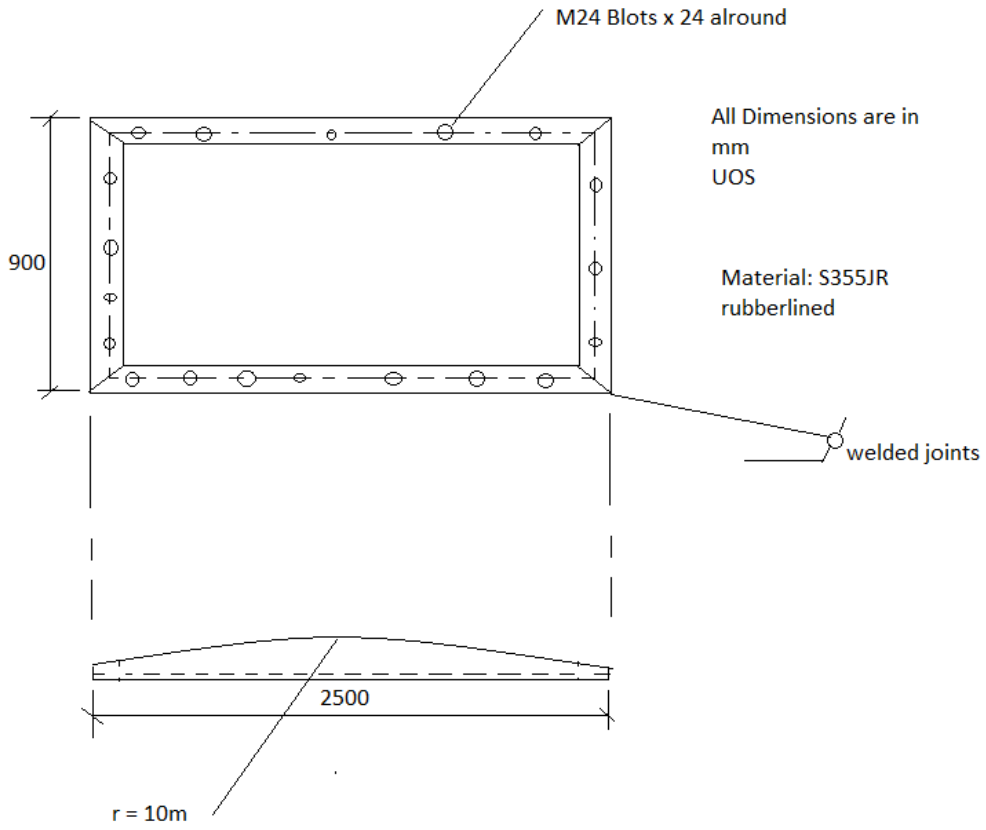


Figure 2: Mounting frame

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3.2 Required Spares

№	REPLACE/ REFURBISH	COMPONENT DESCRIPTION	COMPONENT / MATERIAL SPECIFICATION	OPERATING PARAMETERS	PART / NUMBER	STOCK NUMBER	DESIGN QUANTITY
1	TBD						

4. Acceptance

This document has been seen and accepted by:

Name	Designation

5. Revisions

Date	Rev.	Compiler	Remarks
August 2026	0		First Issue

6. Development Team

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

7. Acknowledgements

Not Applicable

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