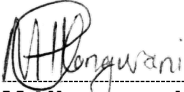
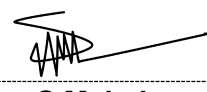


	SCOPE OF WORK	Engineering
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Title:	Apron wheels supply and delivery	Document Identifier:	1033470
Type:	Spares supply and delivery	Alternative Reference Number:	N/A
Planned Start Date:	September 2024	Area of Applicability:	Kendal Power Station
Duration:	60 Months	Functional Area:	Engineering & Maintenance
Submission Interval:	N/A	Revision:	00
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Compiled By:	Supported by:	Approved by:	Acknowledged by:
			
M Hlongwani	S Malgas	T Gxota	S Mabelane
System Engineer	System Engineer	Aux Engineering Manager (Act)	Ash Plant Maintenance Manager
Date: 12/07/2024	Date: 12/07/2024	Date: 12/07/2024	Date: 22/07/2024

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1. Scope Compilation References

SCOPE COMPILATION REFERENCES				
SOURCE & Ref No.	Yes	No	N/A	Comments
Inspections				
Return to service data packages				
Maintenance Strategy with Rev number	X			
SAP defects (attach list as appendix)				
GHRMS (STEP) reports (Generation Heat Rate Management System)				
Online Condition Monitoring				
Pre-outage performance test results				
Post outage performance test results				
GPSS/ Plant Performance data on UCLF incurred				
OMS / IIRMS recommendations (Audits Reports)				
Risk controls (IRM system)	X			
Previous audits and reviews (e.g. ERAP)				
Engineering Change Requests (Projects)				
LOPP strategy reports				
URS				
Philosophy (Outage)				
Condition Monitoring Report				
VA/PHD Viewer trends				
Corrective Actions				
CARAB reports				
Statutory Requirements				
Grid code requirements				
Waivers and Exemptions				
Calibration requirements				
Previous Outage SOW variations				
Post Mortems Actions from previous outages				
Pre-Outage plant walks				
Risk based inspection (RBI) report				
Simulation, TOIs, OON, SI				
SUBSYSTEM				Y / N
				Page №

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2. Objectives

The objective of this scope of work is for the supply and delivery of apron wheels, it is also to ensure that the spares supplied are of good quality and are reliable.

In order to ensure the quality of services rendered, it is a requirement that the relevant service provider to have an engineering workshop equipped with all necessary tools and resources with adequate skills.

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3. Detailed Scope of Work

3.1 Contractors Scope of Works

Deliverables of the Contractor should include but shall not be limited to the following:

- Contractor must manufacture Apron wheels according to provided technical details as and when required by the station for the contract's duration.
- Contractor to deliver the wheels on site after manufacturing.
- It is the responsibility of the contractor to ensure that the turnaround time for the manufacturing and supply is the shortest period possible.
- All quality control processes to be followed by the contractor at their facility.
- Frequent feedback between Kendal Power Station and the contractor is essential during the lead period and the wheels can be delivered in batches.
- Detailed QCP with intervention points shall be in place.

3.1.1 Technical Information

Manufacture, supply and deliver apron wheels and associated components WHEEL SET: TYPE: APRON WHEEL; DIMENSIONS: ID 86.74 X OD 160 MM; MATERIAL: STL EN24; DRAWING NO: 0.64/45032-00 REV 0; 0.64/45032-01 REV 0; WITH STUB AXLE SHAFT AND BEARINGS; ASSEMBLE WITH THE RELEVANT PARTS SPECIFIED IN THE BILL OF MATERIALS

Wheel Case Hardened 60 HRC 2mm Depth.

Correctly specified bearing -Deep Grooved Ball bearing

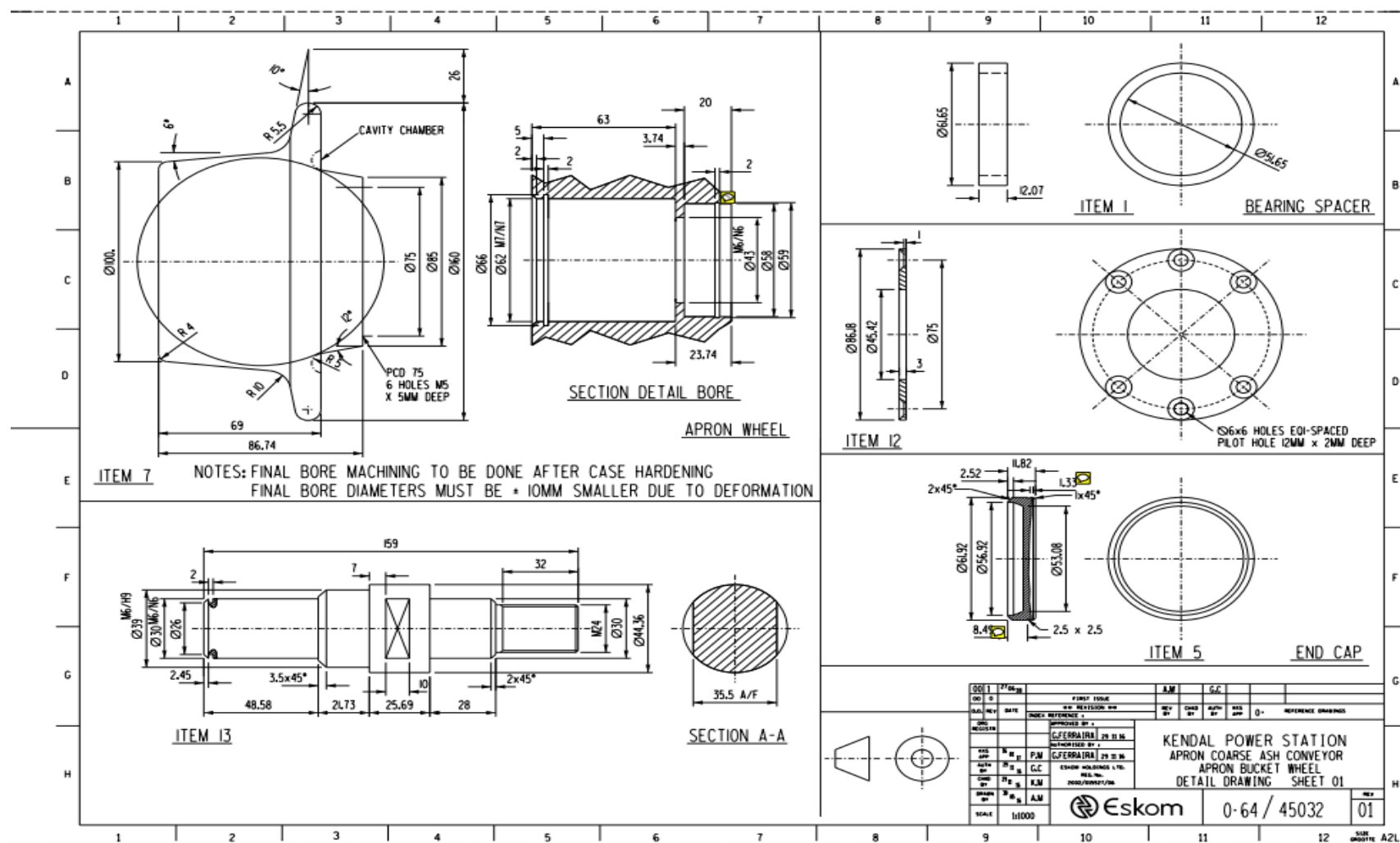
STUB AXLE: DIA: 44.36[mm]; LENGTH: 159[mm]. MATERIAL: EN8.

Quantity: 10 000

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3.1.2 Quality control

- The tests and adjustments (monitoring tools, tolerances) to be carried out accordingly by the personnel of the assembly department.
- For each operation step, test data and measurements shall be recorded on the OEM quality control sheets according to the relevant OEM standard.
- All measuring tools to be calibrated and calibration certificate to be presented on each FAT.
- The Apron wheels are to be supplied with the material certificate.
- Sampling and quality checks are to be done by Eskom Engineering at the contractor's site before the wheels are delivered to the site.
- Sampling and PMI to be done on the Eskom site during delivery QC.

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4. Acceptance

This document has been seen and accepted by:

Name	Designation
Mfanelo Hlongwani	Ash plant system Engineer
Siyanda Malgas	Ash and Coal plant System Engineer
Thando Gxota	Auxiliary Engineering Manager (act)
Sydwell Mabelane	Ash Plant Maintenance Manager
Carol Lephoto	Materials management Manager

5. Revisions

Date	Rev.	Compiler	Remarks
July 2024	X	M Hlongwani	SOW

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