

	<b>Scope of work</b>	<b>Engineering</b>
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**Compiled by**



**Robert Naude**  
**Snr Tech Ops Support**

Date: 26-02-2026 .....

**Reviewed by**



**Darryl Swart**  
**Ops Support Manager**

Date: 26-02-2026 .....

**Authorized by**



**William Letwaba**  
**OPS Manager**

Date: 2026/02/26 .....

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	<b>THE PROVISION OF COMPREHENSIVE BOILER PLANT CLEANING SERVICES</b>	Period	5 Years
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## 1. Introduction

This contract establishes a strategic partnership for comprehensive industrial cleaning and waste management services across the Boiler Plant (0m to 82m level) and the Wet Ash Plant, including all conveying systems (SSC, Apron, Sicon, CAC) at Kendal Power Station. The objective is to institutionalize a proactive cleaning regime that mitigates systemic risks inherent to the plant's operation.

The operational environment is characterized by chronic fugitive ash from Dust Handling Plant (DHP) leaks and other boiler plant components. This creates a continuous source of contamination that, if unmanaged, compromises safety, obstructs maintenance access, accelerates equipment wear, and threatens generation reliability. A dedicated, performance-based service is required to transform housekeeping from an ad-hoc reaction into a controlled, predictable input.

By outsourcing this non-core but critical function to a specialized supplier, Kendal Power Station can reallocate its internal technical resources to core value-creation activities: plant optimization, predictive maintenance, and defect elimination. This division of labour creates a synergistic partnership where the supplier's expertise in continuous material flow management directly supports the station's primary objectives of asset reliability and sustainable electricity supply.

## 2. Supporting Clauses

### 2.1. Scope

The objective of this SOW is to establish the technical requirements, cleaning standards, and specific areas of responsibility. This ensures the removal of ash, dust, and other contaminants to maintain plant safety and structural integrity, prevent premature equipment failures, and ensure full compliance with Safety, Health, and Environmental (SHE) regulations. This contract provides comprehensive, daily industrial cleaning and utility services for all Kendal Power Station boiler houses, from the 9.5m to the 84m level. The scope ensures continuous removal of significant volumes of operational waste – including coal, ash, oil, and grease – to maintain a hazard-free

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environment that supports safe, reliable plant operation and regulatory compliance. The all-inclusive agreement mandates immediate response to spills, definitive cleaning standards, and covers all labour and ancillary costs, delivering a permanently clean plant through a fixed-price, performance-based service model.

### 2.1.1. Purpose

This document defines the performance-based scope for a strategic service partnership focused on Boiler Plant Integrity Assurance through systematic contamination management at Kendal Power Station. Its intent is to establish clear outcome-based performance standards and a collaborative management framework that aligns the service provider's objectives with the plant's core goals of safety, reliability, and environmental compliance. The duration of the contract will be 60 months (5 years). This contract is for the provision of industrial cleaning services and utility personnel at Kendal Power Station for a period of sixty (60) months. The scope encompasses all boiler house areas from the 9.5-meter level to the 84-meter level, inclusive of the boiler penthouses.

### 2.1.2. Applicability

This document shall apply to Kendal Power Station.

## 2.2. Normative/Informative References

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs.

### 2.1.3. Normative

- [1] ISO 9001 Quality Management Systems.
- [2] Occupational Health and Safety Act (Act 85 of 1993) with applicable standards and regulations.
- [3] 32-95 OHS Incident Management Procedure Rev 9.

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- [4] 32-136\_Contractor Health and Safety Requirements
- [5] 32- 421 Eskom Life Saving Rules.
- [6] 32-726 Standard Contract and Contractor OHS Management Rev. 3
- [7] 32-727 - Eskom Safety, Health, Environmental and Quality (SHEQ) Policy
- [8] National Environmental Management: Air Quality Act (No. 39 of 2004)
- [9] Kendal Ash Disposal Facility Water Use License
- [10] Kendal Ash Dump Waste License
- [11] The National Water Act (Act 36 of 1998) and Regulation GN 704 include other applicable regulations.
- [12] Ash Dump Environmental Management Plan.
- [13] Ash Dump Operational and Maintenance Manual

#### 2.1.4. Informative

- [1] Best Practice Guidelines (relevant and applicable).

### 2.3. Disclosure Classification

**Controlled disclosure:** controlled disclosure to external parties (either enforced by law, or discretionary).

### 2.4. Abbreviations

Abbreviation	Description
PPE	Personal Protective Equipment
SHEQ	Safety, Health, Environment and Quality
OHS	Occupational Health and Safety Act
TLB	Tractor, Loader-Backhoe

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QMS	Quality Management System
ISO	International Organisation for Standardisation
FAB	Fly Ash Bunker
PF	Pulverized Fuel
FEL	Front End Loader
VT	Vacuum Truck

## 2.5. Roles and Responsibilities

**Compiler:** Responsible for compiling the document and ensuring that the content is integrated.

**Contractor:** The Contractor shall be responsible for the duties as defined in section 7, “Duties of the Contractor” of the Construction Regulations and all duties as defined by Contract data.

**Employer:** Eskom Holdings is the owner of the plant and has the responsibility of providing reliable electricity to the country.

**Functional Responsible:** The Functional Responsible person is responsible to approve the content of the document and assure its correctness before the document is submitted for authorization.

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## 2.6. Process for Monitoring

N/A

## 2.7. Related/Supporting Documents

N/A

## 3. Scope of Work and Services

### 5.1. Industrial Cleaning

The Contractor shall perform continuous industrial cleaning to maintain prescribed housekeeping standards. This includes, but is not limited to, sweeping, vacuuming, dusting, washing of boiler externals, and cleaning associated structures. A specific requirement is the cleaning and unblocking of coal feeders located on the 13-meter level.

### 5.1. Utility Personnel

The Contractor shall supply utility personnel to perform the cleaning services and other tasks as defined in the attached role specifications.

## 4. Cleaning Standard & Definition

### 6.1. Standard

"Clean" is defined as a state free from accumulated dust, debris, ash, grease, oil, litter, standing water, or any other material that constitutes a safety, environmental, or operational hazard. This standard must be maintained continuously.

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## 6.2. Acceptance

Cleaning is deemed complete when the minimum requirements, as specified in the detailed Scope of Work and Work Breakdown Structure (WBS), have been met and verified.

## 5. Frequency & Scheduling

### 7.1. Minimum Frequencies

The Contractor is responsible for maintaining all areas listed in section 8 and 9 respectively: Cleaning of the Units 1 to 6 – Boiler Plant and Waste Material Characterization for Boiler House Cleaning to the cleanliness standard defined in section 10 and 11 respectively: Critical Cleaning Responsibilities Performed by Utilitymen and Industrial Cleaning Requirements on a continuous basis. While indicative frequencies are provided in section 11, the primary performance requirement is that no area shall fall below the defined standard at any time. The Contractor must implement a proactive inspection and cleaning regime to meet this continuous standard. The Contractor shall submit their proposed inspection and maintenance plan for approval within 30 days of contract commencement.

### 7.2. Defect Response

All housekeeping defects (e.g., significant spillages, blockages) must be addressed immediately upon identification, irrespective of the scheduled frequency.

### 7.3. Outage Protocol

During plant outages, normal cleaning services shall continue-on the affected units unless otherwise instructed in writing by the Employer's Representative.

## 6. Nature & Classification of Waste

### 8.1. Expected Waste

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The primary waste materials include coal dust, coarse ash, fine ash, pulverized fuel, and oil/grease spillages from normal operational activities.

## 8.2. Volume Expectation

The quantity of ash, coal, grease, oil, debris, and blockages is expected to be significant. The Contractor's resourcing plan must account for this.

## 8.3. Process Cleaning

Spillages resulting from operational challenges or defective plant equipment shall be classified as Process Cleaning and are included within this contract's all-inclusive pricing.

# 7. Service Delivery Requirements

## 9.1. Hours of Operation

The Contractor shall provide a 24-hour/7-day service, including weekends and public holidays, to ensure continuous coverage.

## 9.2. All-Inclusive Pricing

The contract price is all-inclusive. The Contractor is responsible for all costs associated with service delivery, including but not limited to overtime, public holiday premiums, shift allowances, and performance bonuses.

# 8. Cleaning of the Units 1 to 6 – Boiler Plant

Dusting and cleaning of Boiler Area (Units 1 to 6) from the zero-meter level to thirteen (13) meter level of the boiler floors and trenches. The basement boundaries include East Street, Precipitator Road and West Street. During outages staff will be allocated to the other units. The contractor is

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required to perform industrial cleaning of Boiler house, ash plant and ash conveying systems at Kendal Power Station.

Cleaning includes and is not limited the sweeping, dusting, vacuuming, which of boiler external and its associated structures and ash conveying systems from Unit 1 to 6 up to E houses interfaces. These also include roads, equipment rooms, ducting, roofs, sumps, bins and platforms in the boiler house and ash conveying systems.

### 10.1. General Boiler Industrial Cleaning

Perform Boiler industrial cleaning. This includes the following.

***Floors: The floors to be cleaned daily.***

#### 10.1.1. Boiler 13-meter Level

Sweep ash & coal dust, pick up all rubbish, rubble and discards. Remove and clean coal from the mill bunker feeders. Dumping area for coal and ash is located within the station. Domestic waste must be put in yellow bins and hazardous material in red bins located at strategic positions in the stations. Rubbles and discards to be disposed of in skips located at every unit.

#### 10.1.2. Boiler Staircases and Walkways 95m Level – 84m Meter Level

Sweep coal & ash dust, pick up all rubbish, rubble and discards. Clean around the entire boiler on all levels. All boiler handrails, cubicles, telephone cubicles, lift doors, signs to be dusted and washed. **All valve handles to be dusted in a safe manner and NOT to be operated under any circumstances.**

Sweep dust, pick up all rubbish, rubble and discards. Dumping area for coal and ash is located within the station. Domestic waste must be put in yellow bins and hazardous material in red bins located at strategic positions in the stations. Rubbles and discards to be disposed of in skips located

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at every unit. Clean all boiler stairways for the duration of the contract. Clean all handrails and pick up all rubbish, rubble and discards.

**10.1.3. The following areas are included in the cleaning activity:**

- All pipe work and pumps
- All valves and valve station
- All handrails, gratings, stairways, beams, cables and cable racks
- All warning signages
- All air and gas fans including the associated air and gas ducting
- All Secondary air heaters
- All Trenches and drains
- Sweep on the 13-meter level floor and remove spillage and rust.
- Clean and clear any rubble/debris on all staircases
- Daily removal of dust bins and cleaning rubbish, debris inside the boiler house
- Oil spillages
- Boiler penthouse

## **9. Waste Material Characterization for Boiler House Cleaning**

The primary objective of boiler house cleaning is to remove all accumulated foreign materials to ensure safe and efficient operation. The waste materials are characterized as follows:

### **10.1. Primary Waste (Bulk & High Significance)**

- ✓ **Coal and Coal Dust:** Significant volumes expected from conveyor spillage and handling operations.
- ✓ **Ash and Fly Ash:** Significant volumes expected from ESP hopper leakage, DHP or ductwork leaks, and general fugitive emissions. This is a high-priority combustible dust.

### **10.2. Secondary Waste (Incidental)**

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- ✓ **Oil and Grease:** Minor, localized spills and leaks from lubrication points, hydraulic systems, and turbine oil systems.
- ✓ **General Plant Debris:** Miscellaneous foreign materials (e.g., insulation fragments, worn gasket material).

### 10.3. Handling & Disposal Considerations

Cleaning procedures and waste handling must account for the specific hazards of each material type:

- ✓ **Combustible Dust Hazard:** Coal and ash dust accumulations present a deflagration risk. Cleaning methods must minimize dust clouds (prefer vacuum over blow-down).
- ✓ **Contamination Segregation:** Where practicable, oil-contaminated waste shall be segregated from general coal/ash waste for appropriate disposal.
- ✓ **Housekeeping Standard:** The final acceptance criterion is the removal of all loose material to eliminate slip, trip, and fire hazards, and to restore proper access and maintenance clearance.

## 10. Critical Cleaning Responsibilities Performed by Utilitymen

### 11.1. Scope

Cleaning of the Boiler Plant and Associated Auxiliary Systems.

### 11.2. Purpose

To define the critical cleaning, housekeeping, and auxiliary support tasks for which the Utilityman role is responsible, ensuring safe, reliable plant operation and compliance with housekeeping standards.

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Risk Awareness & Safety Compliance: The Utilityman must possess a certified understanding of the critical safety risks inherent to the boiler plant environment, including but not limited to working at height, confined spaces, live machinery, combustible dust, and high-pressure systems. All work must be performed in strict compliance with Kendal Power Station's Plant Safety Regulations (PSRs), Lockout-Tagout (LOTO) procedures, and the project-specific Hazard Identification and Risk Assessment (HIRA).

### 11.3. Primary Responsibility Areas & Tasks

No	Responsibility Area	Specific Tasks
1	Mill & Fuel System Maintenance	<ol style="list-style-type: none"> <li>1. Unblocking mill feeders.</li> <li>2. Sound hood cleaning.</li> <li>3. Mill girth gear draining; transport used oil to OPS support.</li> <li>4. Mill balls loading/removal (Units 1-6).</li> <li>5. Lifting full/empty mill ball bins to/from 13m level.</li> </ol>
2	Fan & Air System Housekeeping	<ol style="list-style-type: none"> <li>1. ID fan screen cleaning.</li> <li>2. PA (Primary Air) fan cleaning.</li> </ol>
3	Oil & Fluid Management	<ol style="list-style-type: none"> <li>1. Clean oil spillages around boilers (U1-6), BFPs, and general station areas.</li> <li>2. Oil sump cleaning (FAB 1-3, Fuel Oil Workshop).</li> <li>3. Oil top-ups and diesel top-ups (DG sets, fire pumps, mobile compressors).</li> <li>4. Drain oil from terrace bins 1, 2, 3.</li> </ol>
4	Drainage & Water System Integrity	<ol style="list-style-type: none"> <li>1. Sump cleaning (FAB 1-3).</li> <li>2. Unblocking main drains (U1-U6) and cable tunnel drains.</li> <li>3. Cleaning trenches station wide.</li> <li>4. Cleaning cooling tower floors and trenches.</li> <li>5. Auxiliary cooling ponds cleaning (East &amp; West).</li> </ol>
5	Gas System Support	<ol style="list-style-type: none"> <li>1. N<sub>2</sub>, O<sub>2</sub>, CO<sub>2</sub>, and H<sub>2</sub> bottle changing.</li> </ol>
6	Safety & Administrative Duties	<ol style="list-style-type: none"> <li>1. Closing defects in SAP.</li> <li>2. Acting as Responsible Person (RP) for Authorizations (Plant Safety Regulations).</li> <li>3. Acting as Limited Access Register (LAR) Authorizer.</li> </ol>

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## 11. Industrial Cleaning Requirements

No	Equipment to be Cleaned	Methods of Cleaning	Frequency	Remarks
1	Control and mimic panels	Dust, spot clean and dry polish. No water allowed.	Daily	
2	Electrical panel Boards	Sweep and damp clean.	Once per week	Open panels not to be touched cleaned
3	Switch and control boxes	Dust and damp clean, no free water.	Daily	
4	Light fittings	Dust, spot clean and damp clean, no free water.	Once per month	
5	Telephone cubicles	Dust, damp clean and disinfect.	Daily	
6	Fire extinguishers	Dust and damp clean.	Once per week	
7	Dustbins	Empty into local rubbish container and clean.	Daily	
8	Windows and doors	Damp Clean.	Daily	
9	Corridor floors	Vacuum, damp sweep and machine polish.	Daily	Floor polishes may be applied on vinyl flooring, not on tiles
10	Walls	Dust, damp clean.	Once per week	

## 12. Tools Required on the Switch Gear Rooms

No	Required	Purpose	Where to be used
1	Saw dust (Client to provide)	Switch gear room	Floors

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2	Cleaning materials -soap (Client to provide)	Switch gear room	Floors, doors, panels
3	Wheelbarrows and shovels	Switch gear room	In case of spillage or high amount of dust or rubbish
4	Feather dusters	Switch gear room	Surfaces, floors, walls, panels, etc.
5	Plastic bags (Client to provide)	Switch gear room	Rubbish
6	Rags (Client to provide)	Switch gear room	Surfaces, floors, walls, panels, etc.

### 13. Areas that Require Industrial Cleaning for Ash Plant and Boilers

No	Equipment to be Cleaned	Methods of Cleaning	Frequency	Remarks
1	Electric motors	Sweep and damp clean using detergent/decreasing fluid, splash water is allowed avoid direct water jets.	Daily	Take care when cleaning moving/ rotating Plant.
2	Electric panel boards	Sweep and damp clean.	Daily	Open panels not to clean.
3	Switch and control boxes	Dust and damp clean, avoid direct water jets.	Daily	
4	Electric plugs	Sweep and damp clean	Daily	
5	Light fittings	Dust and damp clean, splash water is allowed. Avoid direct water jets.	Daily	
6	Telephone cubicles	Dust and damp clean.	Daily	
7	Pumps	Water wash and remove oil and grease, alternatively sweep and damp clean.	Daily	Take care when cleaning moving/ rotating plant.
8	Gearboxes	Sweep, remove oil and grease and damp clean, splash water is allowed. Avoid direct water jets	Daily	Take care when cleaning moving/ rotating plant.

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9	Gauges	Water wash and remove oil and grease, alternatively sweep and damp clean.	Daily	
10	Valves	Water wash and remove oil and grease, alternatively sweep and damp clean,	Daily	Take care when cleaning moving/ rotating plant.
11	Primary Air, Forced Draught and Induced draught fans and fan ducting	Sweep, vacuum clean, degrease and damp clean using detergents when needed. No direct water jets, splash water allowed.	Daily	Take care when cleaning moving/ rotating plant no detergents to enter oil system and tank.
12	Air heaters	Sweep, vacuum clean, degrease and damp clean using detergents when needed. No direct water jets, splash water allowed.	Daily	Take care when cleaning moving/ rotating plant no detergents to enter oil system and tank.
13	Air vents, air and gas ducting	Sweep, vacuum clean, degrease and damp clean using detergents when needed. No direct water jets.	Daily	Take care when cleaning moving/ rotating plant.
14	Pipes, heat exchangers, vessels etc.	Sweep and damp clean.	Daily	Be aware of hot pipes and defective uninsulated areas.
15	Basement floor	Vacuum floor sweeping with occasional water wash and sweep. Where floor sweepers cannot access, water wash and sweep.	Daily	
16	Structures, hangers and supports	Sweep and damp clean.	Daily	Wear safety belts where required.
17	Boiler House walls, beams and structure	Sweep, dust, damp clean and scrub.	Daily	
18	Steel stairwells	Dust, sweep and pick up all rubbish, wash rubble discards.	Daily	

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19	Goods and passenger lifts	Sweep and damp clean.	Daily	
20	Handrails	Dust and damp clean.	Daily	
21	Road between boiler/ FFP	Sweep.	Daily	
22	Fire extinguishers, hydrants and hose reels	Dust and damp clean.	Daily	
23	Dust bins	Empty into local rubbish container and clean.	Daily	
24	Concrete elevated floors	Vacuum floor sweeping with occasional water wash and sweep. Where floor sweepers cannot access, water wash and sweep.	Daily	
25	Basement floor	Vacuum floor sweeping with occasional water wash and sweep. Where floor sweepers cannot access, water wash and sweep.	Daily	

#### 14. Tools Required for Boiler and Ash Cleaning

No	Tool Type	Where to be used	Purpose
1	Saw dust (Client to provide)	Boiler x 6	All boiler floors, oil spillages
2	Cleaning materials/Rags (Client to provide)	Boiler x 6	For cleaning the stairways walls, mill platforms, doors, panels, oil systems, etc.
3	Wheelbarrows and shovels	Boiler x 6	In case of spillage or high amount of dust or rubbish, ash, coal removal.
4	Heavy duty hose pipes	Boiler x 6	Boiler washing, floors washing, blowing of dust, etc.

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5	Feather dusters	Boiler x 6	Surfaces, floors, walls, panels, etc.
6	Garbage/Refuse Plastic bags (Client to provide)	Boiler x 6	Rubbish
7	Brooms	As per scope	Sweeping

## 15. Equipment Required

No.	Description	Unit	Quantity	Description
1	Site bakkie	Number	2	Site based bakkie used by the Supervisor for moving equipment, tools, etc. within the station.
2	Home-work-home transport	Number		Transported designated specifically for faring or transporting employees to and from work.
3	Cleaning Tools (brooms, shovels, wheelbarrows, dusters)	Number		These are tools and equipment used by the Contractor in the plant to execute work effectively.
4	Medicals	Yearly		All employees working at Kendal power station are expected to attend full medical assessment once per year in line with the OSH Act.
5	Personal Protective Equipment	Frequency		<p>The Contractor is expected to ensure that employees are furnished with PPE so that they can work safely. The breakdown is as per below:</p> <ol style="list-style-type: none"> <li>1. Overall, safety shoes, and hardhat – twice per year.</li> <li>2. Goggles – monthly.</li> <li>3. Dust mask – daily.</li> </ol>

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	<b>THE PROVISION OF COMPREHENSIVE BOILER PLANT CLEANING SERVICES</b>	Period	5 Years
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6	Communication two-way radios	Number	12 units (once-off)	For effective communication and safety reasons in the plant the Supervisor and Team Leaders are expected to be in possession of a two-way radio.
7	Site establishment/de-establishment	Frequency	2 times (once-off)	1 x during site establishment. 1 x during site de-establishment.

Important notes:

- Vehicle rate includes fuel and other associated costs.
- Suppliers are to include a separate sheet of the breakdown of items included in the above e.g. consumables, SHEQ provision, etc.
- Transport is based on 50 km per trip.
- Transport rate to include fuel and other associated costs.
- Supplier is responsible for replacing damaged/lost/stolen assets (i.e. radios, tools, equipment, etc.) at own cost.
- The supplier to ensure that all their assets are taken care of in line with the station requirements by the supplier. This includes prevention of environmental contravention, safety compliance, and/or in line with the best asset management principles.

## 16. Manpower Resources Required

No	Required	Unit	Quantity
1	Site Manager	Number	1
2	Safety Officer	Number	1
3	Site Admin	Number	1
4	Supervisor	Number	2
5	General Workers	Number	90
6	Utilitymen	Number	5
7	Operators	Number	10

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## 17. Bill of Quantities

MANPOWER						
No	Description	Qty	Normal Working Times	Rate P/H	Cost P/Month	Total Cost for 60 Months
1.	Site Manager	1	Mon - Thurs (07:15-16:30)	R	R	R
2.	Admin Officers	1		R	R	R
3.	Supervisors	2		R	R	R
4.	Safety Officers	1		R	R	R
5.	Cleaners	90	Friday (07:15-12:15)	R	R	R
6.	Utilityman	5		R	R	R
7.	Operator	10		R	R	R
TOTAL					R	R
OVERTIME						
	Overtime rates	Saturday	Sunday	P/Holidays	After Hours	Comments
8.	Site Manager	1.5	2.0	2.0	1.5	As and When Requested and Approved.
9.	Supervisor					
10.	Safety Officer					
11.	Cleaner					
12.	Utilityman					
13.	Operator					

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<b>PPE</b>					
	<b>Description</b>	<b>Qty P/Person/Yr</b>	<b>Total Qty</b>	<b>Price Per Item</b>	<b>Total Cost for 60 Months</b>
16.	Overalls	4		R	R
17.	Raincoat	2		R	R
18.	Gumboots/Safety boots	1		R	R
19.	Goggles	4		R	R
20.	Gloves	4		R	R
21.	Earplugs	4		R	R
22.	Hard hat	1		R	R
<b>TOTAL</b>				<b>R</b>	<b>R</b>
<b>TOOLS &amp; EQUIPMENT</b>					
	<b>Description</b>	<b>Qty</b>	<b>Rate P/hour</b>	<b>Price: (Item/Monthly)</b>	<b>Total Cost for 60 Months</b>
23.	Vacuum Truck	2	R	R	R
24.	Bob Cats	4	R	R	R
25.	Front-End loader	1	R	R	R
26.	10 Cube Tipper Truck	3	R	R	R
27.	Shovels			R	R
28.	Pickaxes			R	R
29.	Wheelbarrow			R	R
30.	Broom			R	R
31.	Hose pipes with spray nozzle			R	R

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32.	Dust Blowers			R	
<b>TOTAL</b>				R	R
<b>TRANSPORTATION</b>					
33.	Home-Work-Home Transport			R	R
34.	LDV Double Cabs	2		R	R
<b>TOTAL</b>				R	R

<b>HEALTH &amp; SAFETY</b>					
	Description	Qty		Price P/Item	Total Cost for 60 Months
35.	Medicals	110		R	R
36.	Fingerprints	110		R	R
37.	Safety File	1		R	R
<b>TOTAL</b>				R	R
<b>Ps &amp; Gs</b>					
38.	Site Establishment	1			R
39.	Site De-establishment	1			R
<b>TOTAL</b>					R
<b>CONSUMABLES</b>					
<b>TOTAL</b>				R	R
<b>TOTAL COST FOR 60 MONTHS</b>					R

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<b>Resources - As and when</b>					
<b>Resources + Quantities</b>	<b>Qty</b>	<b>Rate/Hour</b>	<b>Cost/Hour</b>	<b>Hours</b>	<b>Total Cost/Month</b>
Supervisor	1				
General Workers	18				
Operators (FEL)	2				
Operators (VT)	4				
Operators (SS)	8				
Operators (10CT)	6				
<b>Total</b>	<b>39</b>				

<b>Equipment - As and when</b>					
<b>Resources + Quantities</b>	<b>Qty</b>	<b>Rate/Hour</b>	<b>Cost/Hour</b>	<b>Hours</b>	<b>Total Cost/Month</b>
Front End Loader	1				
Vacuum Truck	2				
10 Cube trucks	4				
Skid Streer	3				

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## SAFETY

**Specified safety requirements for the specific system**

System or Plant	Safety requirements
Access to Kendal site	All individuals have attended induction course, and the contractor has provided the approved Safety File
Boiler plant areas	Agreement to comply to OHSA regulations (section 37 (2))
Boiler plant areas	Appoint principal contractor to safely carry out construction work as per OHSA construction regulation 4
Boiler plant areas	Ensure plant and equipment safety as per Kendal procedure 30/20/05-PI 001
Before starting any activity	Plant Isolation (permit to work) and tag out procedures
Inside Kendal site	32-95, Procedure to conduct EH&S Incident Management

## ENVIRONMENT

**Specified pollution control requirements, specified waste management requirements, specified energy efficiency requirements.**

System or Plant	Environmental requirements
CHP	Constant housekeeping to ensure safe working environment
Oil spillages to be handled as per National Environmental Management Act	
Working areas to be cleaned from ash & debris	
Working areas to be well light and ventilated	

## RISK ASSESSMENT

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A thorough risk assessment involves identifying potential hazards, evaluating their likelihood and impact, and implementing mitigation measures to minimize risks.

System or plant	Risk requirements
Prior and during any task every day	Safety Officer to ensure that risk assessment, and risk control.

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**QUALITY**

The supplier shall submit objective evidence of a developed, implemented and maintained QMS that complies with ISO 9001 or any applicable standard of quality management system (the latest applicable revision ISO 9001:2015).

System or Plant	Quality requirements
During cleaning activities in <b>BOILER PLANT</b> , important quality requirements include:	<p><b>The following documents (approved/signed copies) shall be submitted:</b></p> <ul style="list-style-type: none"><li>• The supplier shall submit a quality method statement based on ISO 9001 (Method Statement should address all the supplier business management process).</li><li>• Quality Policy, aligned with the supplier's strategic direction (documented information).</li><li>• The supplier shall complete and sign Form A (Enquiry/Contract/Quality Requirements for Supplier).</li><li>• Control of external provided processes, product and service</li><li>• Quality Objectives (documented information).</li><li>• The supplier shall submit a copy of documented information for roles, responsibilities, and authorities in relation to the QMS.</li></ul>

**18. General**

- The contractor should ensure that there is no water ingress on the drive trains, electrical components and all hydraulic equipment.
- Due to inclement weather on the Kendal ash dump and the use of water to clean the equipment, the ground upon which the shiftable conveyors are placed may sag and settle unevenly. The use of non-water cleaning methods will be preferred along the length of the shiftable conveyors if possible and or minimised.
- The Contractor is responsible for cleaning of the moving of the shiftable conveyors as well as the stacker and spreader machines in preparation of the required belt shift.
- The Contractor shall provide additional equipment and resources or arrange for additional shifts when necessary to cope with the varying workload.

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## 1. Authorization

This document has been seen and accepted by:

Name & Surname	Designation
S. Mthethwa	Integration Manager
N. Mzobe	Boiler Maintenance Manager
W. Letwaba	Ops Manager
M. Gcaleka	Aux Eng Manager
P. Takane	Engineering Manager

## 2. Revisions

Date	Rev.	Compiler	Remarks
December 2025	0	M Mkhize/S Mthethwa	

## 3. Development Team

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

- M Mkhize
- S Mthethwa
- W Letwaba

## 4. Acknowledgements

- N/A

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