

	Scope Of Work	Medupi Power Station-Bulk Material Services
---	----------------------	--

Title: **Medupi Power Station cleaning services** Document Identifier:

on an “as and when required basis”

Alternative Reference **Not Applicable**
Number:

Area of Applicability: **Eskom Rotek Industries
SOC Ltd**

Functional Area: **Medupi Power Station-Bulk
Material Services**

Revision: **1**

Total Pages: **14**

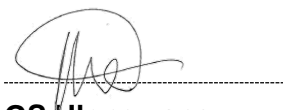
Next Review Date: **N/A**

Disclosure **Controlled Disclosure**
Classification:

Compiled by

**Functional
Responsibility**

Authorized by



**GS Hlongwane
Site Manager**



**NP Makhubele
HOD- Coal Ops 2**

Date: 2022/06/14

Date: 2022/06/14

Content

Page

1. Introduction.....	4
1.1 Purpose.....	4
1.1.1 Applicability	4
2. Normative/Informative References.....	4
2.1 Normative.....	4
2.2 Informative	4
2.3 Definitions	5
2.4 Abbreviations	6
3. Supporting Clauses	7
3.1 Scope (Fixed plant Cleaning)	7
3.1.1 Sites generic scope	7
3.1.2 Ash Plant Cleaning	7
3.1.3 Coal Plant Cleaning.....	9
3.1.4 Dust handling plant cleaning.....	10
3.2 PERFORMANCE SPECIFICATION	10
3.2.1 Working times.....	10
3.3 Roles and Responsibilities	11
3.3.1 Cleaning Supervisor	11
3.3.2 General Worker/ Cleaner.....	12
4. PPE	12
4.1.1 Required PPE (Specification to be supplied under SHEQ)	12
4.1.2 Required Tools/Resources	13
5. Cleaning methodology	13
6. 4. Management strategy and start up	13
6.1 The <i>Contractor's</i> plan for the <i>service</i>	13
6.2 Management meetings	14
6.3 <i>Contractor's</i> management, supervision and key people.....	14
6.4 Documentation control.....	14
6.5 Invoicing and payment.....	15
6.6 Contract change management	15
6.7 Records of defined cost to be kept by the <i>Contractor</i>	15
6.8 Training workshops	15
5. Health, Safety, Environment and Quality assurance	16
5.1 Health and safety risk management	16
5.2 Environmental constraints and management.....	16
5.3 Quality assurance requirements	17
6. Procurement.....	17
6.1 People.....	17

CONTROLLED DISCLOSURE

6.2	Plant and Materials.....	18
6.2.1	Correction of defects	18
6.2.2	Plant & Materials provided by the <i>Employer</i>	18
7.	Working on the Affected Property	18
7.1	<i>Employer's</i> site entry and security control, permits, and site regulations	18
7.2	People restrictions, hours of work, conduct and records.....	19
7.3	Records of <i>Contractor's</i> Equipment	19
7.4	Control of noise, dust, water and waste	19
8.	List of drawings.....	19
9.	Acceptance.....	19
10.	Revisions	20
10.	Development Team	20
11.	Acknowledgements	20

CONTROLLED DISCLOSURE

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Rotek Industries SOC Ltd.

1. Introduction

Eskom Rotek Industries (ERI), Bulk Material Services (BMS) contract with Generation on a Ten year partnership which includes cleaning of the Coal plant, Ash plant and Dust handling plant section at Medupi Power Station.

1.1 Purpose

The purpose is to preserve the status of the plant availability and reliability through Cleaning of the assets and maintaining of good housekeeping standards.

1.1.1 Applicability

This document shall apply to the site with attached addendum.

This document shall be effective from the authorisation date.

The stations where the services are required are

SITE	Operations
MEDUPI	Coal and Ash Operations

2. Normative/Informative References

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs and additional site specific ones.

2.1 Normative

1. ISO 9001 Quality Management Systems
2. OSHAS 1800 Safety Management Systems
3. Occupational Health and Safety Act and Regulations (85 of 1993)
4. 36-681_Generation Plant Safety Regulation
5. 240-62196227_Eskom Life Saving Rules
6. 32-95_Environmental, Occupational Health and safety Incident Management Procedure

2.2 Informative

1. Criminal Procedures Act 51 of 1977
2. National Road Traffic Act 93 of 1996
3. Labour Relations Act 66 of 1995
4. Basic Conditions of Employment Act 75 of 1997

CONTROLLED DISCLOSURE

2.3 Definitions

Description	Definition
Appointed Contractor	Means a contractor appointed by the principal contractor.
Appointed Person	A person who has been authorised in terms of 36-681_Generation Plant Safety Regulation to: (i) Determining appropriate and effective isolations for the anticipated work to be carried out safely. (ii) Ensuring that the isolation and de-isolation on the plant covered by a permit to work is effectively carried out taking health and safety precautions into account. (iii) Issuing of prepared permits once all the associated test certificates are available and the required risk assessments have been presented to the appointed person by the responsible person for review in terms of these regulations.
Baseline Risk Assessment	(32-520) baseline operational risks refer to the health and safety risks associated with all standard processes and routine activities in the business
Cleaning Activity	Means the safe cleaning of transfer chutes from the outside by the disabling of mechanisms to inhibit starting of the plant during the cleaning process, which is done in accordance with formulated safe procedures.
Contractor (includes appointed contractor)	means an employer as defined in section 1 of the Act who performs contract work and includes principal contractors
Competent Person	(OHS Act) means any person having knowledge, training, experience, and qualifications, specific to work or task being performed, provided that, where appropriate, qualifications and training are registered in terms of the South African Qualifications Authority Act, 1995 (Act No. 58 of 1995).
Danger/Dangerous	Means a condition/substance that constitutes a risk of personal injury, impairment of health, or death
Employee	(OHS Act) means, subject to the provisions of subsection (2), any person who is employed by or works for an employer and who receives remuneration or who works under the direction or supervision of an employer or any other person.
Employer	(OHS Act) means, subject to the provisions of subsection (2), any person who employs or provides work for any person and remunerates that person or expressly or tacitly undertakes to remunerate him/her, but excludes TES (ex. labour broker) as defined in section 1(1) of the Labour Relations Act.
Cleaner/General worker	Employee designated to conduct routine Plant Cleaning, Cleaning Preventative Maintenance (PM) and (report) defect any breakdowns or abnormal Plant conditions.
Lifesaving Rules	(240-62196227) a rule that, if not adhered to, has the potential to cause serious harm to people.
Permit To Work	Means the printed form containing sections entitled application, permits to work, suspension, suspension revocation, clearance and revocation, and

CONTROLLED DISCLOSURE

	used for the authorisation of all work to be carried out on the plant in terms of these regulations.
Plant	Means structure, machinery, low voltage electrical equipment or equipment which does not fall within the scope of the Operating Regulations for High-voltage Systems, and excludes, mobile, portable lifting equipment, domestic circuits, appliances and tools.
Responsible Person	Means a person who has been authorised in terms of these regulations to be responsible for ensuring that the work on the plant covered by a permit to work can be carried out and executed taking health and safety precautions into account and within the terms of 36-681_Generation Plant Safety Regulation
Safe/Safely/Safety	Means a condition not posing any danger, an activity that can be carried out without danger, or protection against danger.
Shall and Should	The word “shall” is to be understood as mandatory and “should” as recommended.
Skilled Person	Means a person who has been trained, has adequate knowledge for the task at hand and declared competent in writing.
Supervision/Supervise	Means to oversee the actions of a person(s) to such an extent as to prevent any dangerous act, as far as reasonably practicable. Such a supervisor must be trained in risk assessment techniques and be able to understand the dangers / hazards associated with the task and who has the authority to ensure that precautionary measures taken are implemented.

2.4 Abbreviations

Abbreviation	Explanation
RA	Risk Assessment
AP	Appointed Person
CSY	Coal Stock Yard
LAR	Limited Access Register
ERI	Eskom Rotek Industries
OHSACT	Occupational Health And Safety Act
OEM	Original Equipment Manufacturer
RP	Responsible Person
PPE	Personal Protective Equipment
PTW	Permit To Work
H&S Rep	Health and Safety Representative
RA	Risk Assessment

CONTROLLED DISCLOSURE

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Rotek Industries SOC Ltd.

Abbreviation	Explanation
RA	Risk Assessment
AP	Appointed Person
-	-

3. Supporting Clauses

3.1 Scope (Fixed plant Cleaning)

The scope of work is the provision of cleaning plant services for **the duration of 24 months, on an “as and when required basis”**, at Medupi Power Station Eskom Rotek Industries (ERI) Bulk Material Services (BMS).

3.1.1 Sites generic scope

- The scope of work will include all Cleaning plant activities; this is cleaning of the Coal, Ash, and Dust handling plant at Medupi Power Station.

3.1.2 Ash Plant Cleaning

- Provide Authorised Responsible Persons on all shifts on a 24 hour basis to take cleaning PTW.
- This service delivery will include all Cleaning personnel, tools, equipment, site infrastructure and heavy machinery required to perform the task.
- Cleaning services will be full operation of the plant, 24 hours a day, based upon a 4 or 5 shift cycle.
- The development of Cleaning procedures will be a joint venture between Medupi Power Stations and ERI BMS
- Supervision of all Cleaning activities at the Plant.
- SSC cleaning the area under Permit to work, during breakdowns and/or outages.
- Handling coarse ash from the CAC to the Ash dams.
- Cleaning all Ash Plant conveyors.
- Cleaning all Ash Transfer houses
- Cleaning of total Ash plant and all spillages and blockages on the chutes.
- Loading of CAC emergency areas using Yellow Plant machines and recording of Yellow Plant meter readings. (Where applicable)
- Cleaning of all V-drain channels at the Ash plant.(Where applicable)

CONTROLLED DISCLOSURE

- Housekeeping and proper cleaning of the Ash plant
- Report defect to operating and/or maintenance section and log them into the system
- Record and/or quantify spillage at the Plant

PLANT AREAS				
Ash Plant	Area	Method	Recommended Tools	Frequency
No1	SSC 1,2,3,4,5,6	* Loading of Ash	* Spade	Outage
		* Washing of walls	* Mallent Hammer	
		* Scrubbing of surface	* Shovels	
		* Cleaning around SSC	* Brushess	
			* Vacuum Truck	
			* Skid Steer	
			* Wheel Barrow	
			ADI Pipes	
No2	Ash Conveyors	* Loading of Ash Spllages	* Spade	Daily
		* Washing of floor	* Mallent Hammer	
		* Chute Cleaning	* Shovels	
		* Cleaning around Conveyors	* Brushess	
		* Offloading overloaded Conveyors	* Vacuum Truck	
		* Good House Kepping	* Wheel Barrow	
			* Skid Steer	
			* Feather dustors	
			* Tipper Trucks	
No3	Transfer Houses		* Skid Steer with Scrapper	
		* Loading of Ash Spllages	* Spade	Daily
		* Washing of floor	* Mallent Hammer	
		* Chute Cleaning	* Shovels	
		* Cleaning inside Transfer house	* Brushess	
		* Good House Kepping	* Vacuum Truck	
			* Wheel Barrow	
			* Skid Steer	
			* Feather dustors	
No4	Reclaimers/ Stackers		* Tipper Trucks	Daily
			* Skid Steer with Scrapper	
		* Loading of Ash Spllages	* Spade	
		* Washing of floor	* Mallent Hammer	
		* Chute Cleaning	* Shovels	
		* Cleaning around Conveyors	* Brushess	
		* Offloading overloaded Conveyors	* Vacuum Truck	
		* Good House Kepping	* Wheel Barrow	
			* Skid Steer	
No5	V-Drain		* Feather dustors	Daily
			* Tipper Trucks	
			* Wheel Barrow	
			* Skid Steer	
		* Loading Spllages	* Spade	
		* Cutting Vegetation	* Shovels	
		* Good Housekeeping	* Excavator	Daily
			* Tipper Trucks	
			* Wheel Barrow	
			* Skid Steer	

CONTROLLED DISCLOSURE

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Rotek Industries SOC Ltd.

3.1.3 Coal Plant Cleaning

- Conveyors are to be cleaned on a continuous basis on the conveyors, drives, idlers, chutes, etc. to enable quick response preventing extended damage to equipment in case of failure or fouling.
- Cleaning of chutes and spillages
- Plant cleaning inspections to be conducted and check sheets submitted
- Raise defects notifications as and when required.

Coal Plant	Area	Method	Recommended Tools	Frequency
No1	Coal Silos	* Loading of Coal Spillages	* Spade	Outage
		* Washing of walls	* Mallent Hammer	
		* Scrubbing of surface	* Shovels	
		* Cleaning around SSC	* Brushess	
			* Vacuum Truck	
			* Skid Steer	
			* Whee Ibarrow	
No2	Coal Conveyors		ADI Pipes	Daily
		* Loading of Coal Spillages	* Spade	
		* Washing of floor	* Mallent Hammer	
		* Chute Cleaning	* Shovels	
		* Cleaning around Conveyors	* Brushess	
		* Offloading overloaded Conveyors	* Vacuum Truck	
		* Good House Kepping	*Wheel Barrow	
			* Skid Steer	
			* Feather dustors	
			* Tipper Trucks	
No3	Transfer Houses		* Skid Steer with Scrapper	
		* Loading of Coal Spillages	* Spade	Daily
		* Washing of floor	* Mallent Hammer	
		* Chute Cleaning	* Shovels	
		* Cleaning inside Transfer house	* Brushess	
		* Good House Kepping	* Vacuum Truck	
			*Wheel Barrow	
			* Skid Steer	
			* Feather dustors	
			* Tipper Trucks	
No4	Reclaimers/ Stackers		* Skid Steer with Scrapper	
		* Loading of Coal Spillages	* Spade	Daily
		* Washing of floor	* Mallent Hammer	
		* Chute Cleaning	* Shovels	
		* Cleaning around Conveyors	* Brushess	
		* Offloading overloaded Conveyors	* Vacuum Truck	
		* Good House Kepping	*Wheel Barrow	
			* Skid Steer	
			* Feather dustors	
			* Tipper Trucks	
No5	V-Drain		* Skid Steer with Scrapper	
		* Loading Spillages	* Spade	Daily
		* Cutting Vegetation	* Shovels	
		* Good Housekeeping	* Excavator	
			* Tipper Trucks	
			* Wheel barrow	
No 6	Mobile Feeders		* Skid Steer	
		* Loading of Coal Spillages	* Spade	Routinely as/when required
		* Cleaning around Feeder/s	* Shovels	
		* Chute Cleaning	* Skid Steer	
		* Good House Kepping	* FEL	

CONTROLLED DISCLOSURE

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Rotek Industries SOC Ltd.

3.1.4 Dust handling plant cleaning

- Cleaning of Ash Silo complex floor.
- Cleaning of all units Dust handling plant floor.
- Raise/ report defects notifications as and when required/necessary.
- Ensure cleaning procedure is followed and adhered too
- Unblock ash silo conditioners in case of blockages
- Clean ash silo conditions
- Clean blower rooms
- Dusting up/ cleaning all dust handling vessels

3.2 PERFORMANCE SPECIFICATION

- The employees must be in a mental and physical healthy condition to be able to work an average of 12 hours per shifts for the Cleaning Department.
- Working of overtime as per cleaning requirements when needed.
- Employees must be medically fit.
- Minimum educational requirement for General workers/ Cleaner is Grade 12
- Minimum requirements for **Supervisors** are Grade 12 plus 3 years Cleaning experience

3.2.1 Working times

- The work hours will be on shift cycle basis
- The day shifts are either 8hrs or 12hrs on either 4 or 5 shift cycle
- The shift cycle is either 4 shift or 5 shift and Site dependent
- Employees shall be expected to do standby
- The maximum number of hours to be paid per month is 198hrs on a basic rate of pay
- A shift allowance of 15% of the basic rate of pay
- Overtime shall be paid in accordance with the current directive that is capped at 64hrs per month
- The supplier shall provide a cover in case someone is on leave at their own cost
- The payment of the shift workers shall be aligned to what is prescribed as per the Basic Conditions of employment act

CONTROLLED DISCLOSURE

3.3 Roles and Responsibilities

3.3.1 Cleaning Supervisor

- Conduct effective Shift Hand Over taking note of risks, planned activities, Temporary Operating Instruction (TOI), Out of Normal (OON), and Specific Instruction (SI).
- Conduct planning of activities on shift (deploy resources as necessitated by business needs)
- Routine Plant visit/walk to area of responsibility
- Ensure Plant is safe to work on.
- Co-ordinate cleaning of Plant in accordance with laid down procedures and instructions.
- Ensure all duties are carried out as per instruction.
- Ensure good housekeeping in area of responsibility.
- Ensure that cleaning at Ash, Dust Handling and Coal plant are done as per procedure.
- Conduct Risk assessment before commencing any task.
- Attend toolbox talk and chair if needed
- Ensure relevant PPE is issued as per risk assessment
- Ensure work instructions, procedures and policies are followed at all times
- Conduct PTW (Permit to work), LARs (Limited access register), spot checks & PJO's (Planned Job Observations)
- Perform JO's on listed critical tasks in order to supervise operational activities and correct behaviour
- Conduct job observations and (SMATS) as per business requirements
- Report all quality and environmental issues
- Strive for the best quality workmanship.
- Ensure that the Limited Access Register is used when needed
- Promote safety, health, environment and quality at all times.
- Report any incidents, damaged or lost equipment
- Enforce good housekeeping at all time
- Compliance to life saving rules and HPC points
- Carry out any other lawful instruction given out by the next line manager
- Execute duties promptly and safely.
- Safeguard tools and safety equipment issued.
- Keep good relationship with all personnel.
- Be neat, self-sufficient and presentable
- Must be able to work under pressure
- Clean work area.
- Ensure good teamwork
- Ensure good communication
- Be available to assist and supervise other plants

CONTROLLED DISCLOSURE

3.3.2 General Worker/ Cleaner

- Report all defects on the plant to Cleaning Supervisor.
- Receive/Check plant sheets from the Operators and sign them off
- To give correct and detail feedback to the Supervisor.
- Log all events in chronicle order
- Liaise and communicate with personnel
- Familiarize yourself with any changes in the day to day production
- Communicate clearly the status of plant with the Cleaning Supervisor
- Ensure that plant is only started and stopped on direct instruction of the Shift Supervisor
- Always ensure that SHEQ standards are met.
- Report any incidents, damaged or lost equipment
- Enforce good housekeeping at all times.
- Conduct Risk assessment before commencing any task
- Attend toolbox talk
- Ensure relevant PPE is used
- Ensure that work instructions, procedures and policies are followed at all times
- Strive for the best quality workmanship.
- Promote safety, health, environment and quality at all times.
- Ashing done as per procedure.
- Cleaning of ash hopper when unit is on outage.
- Ensure all coal chutes are inspected and cleaned
- Report any incidents, damaged or lost equipment
- Enforce good housekeeping at all time
- Compliance to life saving rules
- Be neat, self-sufficient and presentable
- Must be able to work under pressure
- Should be able to perform extra duties required from time to time
- Keep Site Supervisor informed on plant and task status on a daily basis.
- Be able to work in a team.
- To set an example to fellow workers.
- To take ownership of duties to be performed.

4. PPE

4.1.1 Required PPE (Specification to be supplied under SHEQ)

- Overalls-specific to activity

CONTROLLED DISCLOSURE

- Safety boots
- 3-point chin strap hard hat
- Gumboots
- Gloves
- Safety goggles
- Face shield
- Ear plugs/muffs
- Dust masks
- Cloth masks
- Respirators

All specialised PPE will be provided by ERI

4.1.2 Required Tools/Resources

- All Operation staff tools used in the trade for an individual competency. This is a minimum requirement for the contract in terms of skill requirement.
- Other tools and workshops to be provided by the employer in order for the contractor to execute the scope within quality, time and cost effective methodology.

5. Cleaning methodology

Sites to provide cleaning philosophies which will be incorporating the contractor cleaning methodologies and strategies as per site specific requirements

6. 4. Management strategy and start up

6.1 The Contractor's plan for the service

Cleaning services schedule to be supplied by the Contractor after they have been given the maintenance plans by the employer.

CONTROLLED DISCLOSURE

6.2 Management meetings

There will be a monthly meeting for the *Contractor* with the *Employer* held at the *Employer's* premises where contract issues will be discussed i.e. monthly report form the *Contractor* which will include safety meetings, call-out report, incident report an any other issues relating to the service being delivered. The following meetings are to be attended by the *Contractor's* Supervisor:

- Safety meeting (once a month / as and when required)
- Contractor's meetings (to be specified)
- Assessments meetings (end of the month on the 25th)
- Any other meetings relating to the *Contractor's* outputs or necessary for business continuity
- Risk register meeting with the client.

All meetings shall be recorded using minutes or a register prepared and circulated by the person who convened the meeting. Such minutes or registers shall not be used for the purpose of identified in the *conditions of contract* to carry out such actions or instructions.

6.3 Contractor's management, supervision and key people

The *Contractor's* staff structure – supervisors and workforce is to be submitted in the form of an organogram. The employer must approve any changes to such staff structure, and after the approval the contractor shall submit an updated staff structure.

The *Contractor* shall provide a competent representative to be available on site during all normal working hours (Supervisor).

The Contractor's representative will be required to keep the time sheets which are required, signed at the end of each month.

NB: The Contractor's representative will assume the role of a supervisor or lead for this contract

6.4 Documentation control

The service provider shall submit all proof of purchase, SHE bin certificates, time sheets and delivery note to the employer for assessment. Cleaning control sheets to be signed after each cleaning is completed (in respect of the COVID 19 pandemic)

CONTROLLED DISCLOSURE

6.5 Invoicing and payment

Invoicing and payment turnaround time is 30 days. Assessments are to be conducted from the 26th of each month.

6.6 Contract change management

Task Order form to be used when work within the service is instructed to be carried out within a stated period of time. A task Order will be sent to the *Contractor* via an email. In the case of a compensation event, the *Contractor* must give the *Employer* an early warning and a quotation for the total costs, must be submitted electronically by the *Contractor* for that compensation event by email

6.7 Records of defined cost to be kept by the *Contractor*

All hours worked by the *Contractor* will be done so on approval by the *Employer*. Timesheets will be submitted to and kept by the *Employer* on a weekly basis, and these will be used for assessment purposes.

6.8 Training workshops

- Any training required by the *Employer* will be provided e.g. Ethics, HIRA, etc. however any other training additional that the *Contractor* will need, the training costs will be for the *Contractor*. Training may not be conducted during working hours, unless permission is given by the *Employer*.
- The *Contractor* will be trained during the Job Specification Induction training that will be provided by the *Employer* at the beginning of the contract. The *Contractor* may also be trained during Work Stoppages and also any other training as per employer's requirements.
- The following training is necessary for the Supervisor and Team leaders. The cost will be for the *Contractor*:
 - Safety, Health and Environment Representative (SHE Rep.)
 - Applying SHE Principles and Procedure
 - Hazard Identification and Response
 - First Aid level 1

CONTROLLED DISCLOSURE

5. Health, Safety, Environment and Quality assurance

5.1 Health and safety risk management

The *Contractor* shall at all times comply with the health and safety requirements prescribed by law as they may apply to the *services*.

The *Contractor* shall, when coming on site abide by the Lifesaving Rules and COVID-19 safety requirements at all times. These will be provided by the *Employer* on the start of the contract. The *Contractor* shall also abide by Safety, Health and Environmental Specifications for Contractors Procedure, which will also be provided by the *Employer*.

The *Employer* follows an accident/ incident prevention policy that includes the investigation of all accidents/ incidents involving personnel and property. This is done with the intention of introducing control measures to prevent recurrence of the same incidents. The *Contractor* is expected to fully co-operate to achieve this objective. Refer to 32-95_Environmental, Occupational Health and safety Incident Management Procedure

The *Contractor* implements a safety plan and maintains the safety system until completion of the whole of the works. The plan, will as a minimum, contain PPE information, written safe work procedures, job specific risk assessments, safety meetings, etc. The plan will be to the *Employer's* satisfaction and will be accepted prior to the commencement of any work.

The *Contractor* will be subject to periodic audits by the *Employer* in order to ensure compliance with the plan. Any deviations will be corrected to the *Employer's* satisfaction.

The *Project Manager* has the right to stop the *Contractor's* work activities which, in the opinion of the *Project Manager*, is un-safe. The *Contractor* may only continue with work activities when all safety deficiencies have been corrected to the *Service Manager's* satisfaction. The *Contractor* shall have no claim against the *Employer* in respect of delay due to the above.

5.2 Environmental constraints and management

The *Contractor* shall comply with ERI management system. This includes the identification, collection, storage, transportation and disposal of waste. Hazardous waste shall be disposed of in line with the applicable environmental legislation. It is important to note that all spillages must be cleaned immediately and reported to the project manager as soon as possible. It is the responsibility of the polluter to clean all spillages and for the rehabilitation of the polluted land and the cost associated with that.

NB: In cases of inclement weather, the Project Manager will assess the risk of continuing with the works. When it is unsafe to continue, the Project Manager will stop the works and payment will be per the work covered in this instance.

CONTROLLED DISCLOSURE

5.3 Quality assurance requirements

The *Contractor* implements a quality system and maintains the quality system until the completion of the whole of the *works*. The system, will as a minimum, comply with the provisions of the ISO9001 series. The system will be to the *Employer's* satisfaction and will be accepted prior to the commencement of any work on site. The *Contractor* will be subject to self-assessments by the *Employer* in order to ensure compliance with the system. Any deviations will be corrected to the *Employer's* satisfaction.

The *Project Manager* has the right to stop the *Contractor's* work activities which, in the opinion of *Project Manager*, does not meet the requirements of the system and will have a detrimental effect on plant performance. The *Contractor* may only continue with work activities when all deficiencies have been corrected to the *Project Manager's* satisfaction. The *Contractor* shall have no claim against the *Employer* in respect of delay due to the above.

The *Contractor* ensures that all plant and materials for the *works* are to the standard and quality accepted by the *Employer* and ensures that they are suitable for the purpose intended by the manufacturer.

The *Contractor* will work according to the *Employer's* standards, specifications, guidelines and procedures. Where no standards, specifications, guidelines and procedures are available, the *Contractor* will work according to the Generation Quality manual and professional guidelines. Where possible, standards will be reflected in the Task Order.

The employer shall evaluate, control and monitor the performance and effectiveness of the Contractor

6. Procurement

6.1 People

Eskom Holdings Limited's requirements regarding employment of unskilled or semi-skilled workers are as follows:

CONTROLLED DISCLOSURE

- ERI requires that during recruitment of unskilled or semi-skilled labour, a contractor should make every effort to employ minimum target of 100 % suitable candidates from all disciplines from the local community and will only resort to other avenues if the local community cannot provide the required resources.
- The contractor will be required to pay rates as per the Metal and Engineering Industries Bargaining Council (MEIBC). The rates can be found on the MEIBC website

6.2 Plant and Materials

6.2.1 Correction of defects

If there is part of work that the *Employer* is not happy with, this will be indicated to the *Contractor* and will have to be rectified by the *Contractor* immediately where reasonably possible or within 5 working days after the defect was reported.

6.2.2 Plant & Materials provided by the *Employer*

- a. Water and Electricity
- b. Lighting and Ventilation
- c. Ablution facilities
- d. Sitting facilities
- e. Kitchen facilities
- f. All required tools
- g. Specialised PPE

NB: The *Contractor* will be responsible for their meals, own accommodation and transport to and from the place of work.

7. Working on the Affected Property

Under no circumstances will the *Contractor* do the work without proper PPE. The Supervisor on the *Contractor's* side will make it his duty to make sure that this is properly addressed.

7.1 *Employer's* site entry and security control, permits, and site regulations

CONTROLLED DISCLOSURE

The *Contractor's* access to site shall be in line with the Site access procedure. The *Contractor* shall be required to make an application for his employees to enter site for the duration of the contract, including defects period. The permits shall only be issued once the *Contractor's* employees have attended the safety induction training and have undergone medical checks. The safety induction will be for the *Employer's* account. The medical checks will be for the *Contractor's* account

7.2 People restrictions, hours of work, conduct and records

The *Contractor* will carry out the *Works* on an 8 hour basis. Work on Saturdays, Sundays and Public Holidays will be as and when required.

7.3 Records of *Contractor's* Equipment

The *Contractor's* Supervisor should keep record of all the equipment used by the *Contractor*. The *Contractor* is responsible for the safe keeping of all their equipment.

7.4 Control of noise, dust, water and waste

The contractor must supply their own dust masks and cloth masks as part of PPE. Drinking water is available on site as well as waste bins for disposing waste

8. List of drawings

N/A

9. Acceptance

This document has been seen and accepted by:

Name	Designation

CONTROLLED DISCLOSURE

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom RoteK Industries SOC Ltd.

10. Revisions

Date	Rev.	Compiler	Remarks

10. Development Team

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

- GS Hlongwane
-

11. Acknowledgements

None

CONTROLLED DISCLOSURE

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom RoteK Industries SOC Ltd.