

	KUSILE POWER STATION SHE SPECIFICATION Overhead Crane, Hoist and Crawler Beam Maintenance Service and Spares	Template Identifier	240-73416879	Rev	2
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Project Name: Kusile Power Station: Overhead Crane, Hoist and Crawler Beam Maintenance Service and Spares

Project Address: Kusile Power Station, R545 Kendal/Balmoral Road, Haartebeesfontein Farm, Witbank

Scope of the project: Kusile Power Station: Overhead Crane, Hoist and Crawler Beam Maintenance Service and Spares

Eskom Contract's Manager
Name: _____

Signature: _____

Date: _____

Eskom's Health and Safety Manager
Name: _____

Signature: _____

Date: _____

Eskom's Procurement Manager
Name: _____

Signature: _____

Date: _____

Eskom's Safety Officer
Name: _____

Signature: _____

Date: _____

Eskom's Environmental Manager
Name: _____

Signature: _____

Date: _____

Eskom's Quality Officer
Name: _____

Signature: _____

Date: _____

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a) The contractor and or supplier shall have a documented and implemented environmental management system e.g. environmental policy, operational procedures relating to their activities, Environmental Aspects and Impacts Register.....28

b) The contractor and or supplier shall prepare an environmental management plan relating to their activities that will be carried out. The environmental management plan shall be based on, amongst others, Eskom Kusile Power Station’s OEMP and any other applicable environmental legislation. The environmental management plan must include all the aspects and impacts relating to the activity and address the principle of continual improvement;.....28

c) The contractor and or supplier employees shall attend induction on environmental management prior to commencement of work at Kusile Power Station28

d) The contractor and or supplier shall comply with all Eskom Kusile Power Station environmental requirements such as policies, standards and procedures28

e) The contractor shall appoint trained and competent personnel in writing, who will have the responsibilities of implementing all environmental requirements on a specific contract.....28

f) Non-conformance and All spills/emergency incidents shall be reported to Eskom Contract Manager and Environmental Officer(s) immediately on occurrence, such reports must include but not limited to the following information28

- The date and time of the incident28
- The cause of the non-conformance/incident;.....28
- The proposed actions to correct and prevent recurrence29

g) Eskom Kusile Power Station shall issue non-conformances where there are deviations from Eskom Kusile Power Station Procedures and any other environmental

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requirements, and the Contractor or Supplier shall be responsible to provide an action plan and close out of such non-conformances timeously.....29

h) Environmental Incident Investigations shall be done jointly where responsible managers and the environmental team from Eskom and the Eskom subsidiary or contractor are present.....29

i) Environmental Incident investigation shall be done in accordance to Eskom Environmental Incident Management Procedure (240-133087117).....29

j) The contractor or supplier shall be responsible to ensure duty of care during execution of work at Kusile Power Station and shall be liable for the costs for the costs of remedying pollution, environmental degradation and consequent adverse health effects as indicated on the NEMA principles below.....29

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1. Introduction

This SHE specification is Kusile Power Station’s minimum requirements which are required to be met for the specific contract and for the duration of the contract period by contractors and where required, the delivery organisation.

The contractor is expected to develop a coherent SHE plan in line with the issued scope of work and this SHE Specification .Kusile Power Station in no way assumes the contractor’s legal responsibilities. The contractor is and remains accountable for the quality and the execution of his/her health and safety programme for his/her employees and appointed contractor employees.

This SHE specification reflects minimum requirements and should not be construed as all encompassing.

Note 1: All the requirements listed hereunder are in relation to the contract and do not supersede or replace any organizational SHE requirements.

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2. Supporting Clauses

2.1 Scope

This SHE specification lists the legislative and Kusile Power Station requirements and where applicable, any requirements pertaining to Local Authorities / Municipal by-laws / Environmental legislation that must be met by the contractor.

2.1.1 Purpose

This specification sets out the minimum legislative and organisational requirements for the specific scope of work.

2.1.2 Applicability

This SHE specification is applicable to the contractor tendering for the issued scope of work at Kusile Power Station Generation Division.

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] Basic Conditions of Employment Act No 75 of 1997.
- [2] Occupational Health and Safety Act and Regulations No 85 of 1993.
- [3] National Environmental Management Act 107 of 1998.
- [4] 32-37 Eskom Substance Abuse Procedure.
- [5] 32-136 Contractor Health and Safety Requirements
- [6] 240-62196227 Life- saving Rules
- [7] 32-95 Occupational Health and Safety Incident Management Procedure
- [8] 32-727 SHEQ Policy

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- [9] 32- 418 Working at Heights Procedure
- [10] 240-62946386 Vehicle and Driver Safety Management Procedure
- [11] 32-520 Risk Assessment procedure
- [12] Plant Safety Regulations.
- [13] ISO 9001: 2015 Quality management system
- [14] 39-71 Quality Control Plan and contact Quality Control Plan Approval Standard
- [15] ISO 45001: 2018 Occupational health and safety management system
- [16] 240-155862232 Kusile Power Station COVID 19 Screening Process
- [17] 240-88301161 Kusile Power Station Ladders and elevated Platforms Work Instruction
- [18] 240-131824200 Kusile Power Station Barricading Practice Note

2.2.2 Informative

- [1] Tobacco Products Control Act 83 of 1993 (Updated 2011.05.19)
- [2] SANS 18893: Mobile elevated work platform safety principles, inspection, maintenance and operation
- [3] Constitution of the Republic of South Africa No 108 of 1996

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2.3 Definitions

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Definition	Explanation
Sub- contractor	Means a contractor appointed by the appointed contractor
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
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 or is entitled to receive any 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 a TES (ex labour broker) as defined in section 1(1) of the Labour Relations Act 1956 (Act No. 28 of 1956)
Environment	(32-94) means: a. the land, water, and atmosphere of the earth; b. micro-organisms and plant and animal life; and c. any part or combination of (a) and (b) and the interrelationships among and between them, and the physical, chemical, aesthetic, and cultural properties and conditions of the foregoing that influence human health and well-being
Environmental Management plan	A detailed plan of action prepared to ensure that recommendations for enhancing or ensuring positive impacts and limiting or preventing negative environmental impacts are implemented during the life-cycle of a project. This Environmental Management Plan should preferably form part of Eskom's Environmental Management System
Fall protection plan	(OHS Act) means a documented plan of all risks relating to working from an elevated position, considering the nature of work undertaken, and setting out the procedures and methods to be applied in order to eliminate the risk
Health and safety specification	(OHS Act) means a document specification of all health and safety requirements pertaining to associated to a contract, so as to ensure the health and safety of persons.
Lifesaving Rules	(240-62196227) a rule that, if not adhered to, has the potential to cause serious harm to people

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Definition	Explanation
Medical Certificate of fitness	(OHS Act) means a certificate valid for one year, issued by an occupational health practitioner, issued in terms of the regulations, whom shall be registered with the Health Professions Council of South Africa
Method statement	(OHS Act) means a written document detailing the key activities to be performed in order to reduce, as reasonably as practicable, the hazards identified in any risk assessment
Appointed contractor	(In the text of this document) Means an employer, as defined in section 1 of the OHS Act, who intends to tender for or has signed a contract with Eskom for services rendered.
Risk assessment	(OHS Act) means a programme to determine any risk associated with any hazard at a construction site in order to identify the steps needed to be taken to remove, reduce, or control such hazard.

2.4 Abbreviations

Abbreviation	Description
AIA	Approved Inspection Authority
BU	Business Unit
CE	Chief Executive
CNC	(Eskom) Customer Network Centre
COID Act	Compensation for Occupational Injuries and Diseases Act
DMR	Driven Machinery Regulations
DoL	Department of Labour (Inspection and Enforcement services – Provincial office)
EAP	Employee Assistance Program
EP	Emergency Preparedness
ERfW	Environmental Regulations for Workplaces
GAR	General Administrative Regulations
GSR	General Safety Regulations

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Abbreviation	Description
AIA	Approved Inspection Authority
BU	Business Unit
CE	Chief Executive
HCS	Hazardous Chemical Substances
LDV	Light Delivery Vehicle
LoG	(COID) Letter of Good Standing
MSDS	Material Safety Data Sheets
NEMA	National Environmental Management Act
OHS Act	Occupational Health and Safety Act and Regulations, 85 of 1993
SABS	South African Bureau Standard
SANS	South African National Standard
UCF	Unit Capability Factor
PCLF	Planned Capability Loss Factor
UCLF	Unplanned Capability Loss Factor

2.5 Roles and Responsibilities

2.5.1 Appointed contractors and sub- contractors

Note 1: Most of the roles and responsibilities listed apply to both appointed contractors and sub- contractors. Where some of the listed do not apply to both, then the specific responsibilities will be listed and titled. The contractors shall:

1. Carry out all duties as listed in section 8, 9 and 10, the various other regulations that form part of the OHS Act.
2. Carry accountability and responsibility for the safety and health of their employees and their appointed contractors within their working area, as contemplated by section 37(2) of the OHS Act;

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3. Shall keep a record of all employees including the sub- contractor employees, including date of induction, relevant skills and licenses and be able to produce this list at the request of the Kuisle Project Manager.
4. Ensure that all their appointees are made aware of their accountabilities and responsibilities in terms of their appointment and that they advise and assist these appointees in the execution of their duties.
5. Ensure that the minimum legislative, regulatory and Eskom Kusile Power Station SHE requirements are complied with on all work sites.
6. Give the Eskom Kusile project managers and line managers / responsible managers their full participation and co-operation.
7. Compile a SHE (health and safety) file where all relevant health and safety records must be kept for each work site.
8. The appointed contractor must hand over a consolidated (to include any appointed contractors files) health and safety file to the Eskom Kusile Power Station project manager on completion of the project. This is to include all drawings, designs, lists of materials used and other applicable information about the completed project, as well as the list of appointed contractors, the agreement, and the type of work completed.
9. Sub-contractors must hand over a consolidated (to include any appointed contractors files) health and safety file to the appointed contractor on completion of the project. This is to include all drawings, designs, lists of materials used and other applicable information about the completed project, as well as the list of appointed contractors, the agreement, and the type of work completed.
10. The appointed contractor must provide the project manager with a certified copy of his/her Compensation Commissioner's valid letter of good standing before the commencement of work and any future renewal letters obtained during the project for record-keeping purposes. The letter of good standing shall reflect the name of the contractor's company. Similarly, the appointed contractor must provide the Eskom Kusile project manager with all the valid letters of good standing from their sub-contractors.

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11. Sub-contractor must provide the appointed contractor with a certified copy of his/her Compensation Commissioner's valid letter of good standing before the commencement of work and any future renewal letters obtained during the project for record-keeping purposes. The letter of good standing shall reflect the name of the contractor's company.
12. Appoint competent staff to perform the project work and ensure that all employees are trained in the health and safety aspects relating to such work and that the employees understand the hazards associated with all other work being carried out on the project.
13. Ensure that all employees are conversant with all relevant work procedures and that they adhere to such procedures. Similarly (without removing the appointed contractors' responsibilities), ensure that their sub-contractors and their employees are conversant with all relevant work procedures and that they adhere to such procedures.
14. Co-ordinate the activities of all the sub-contractors in the interests of safety and health;
15. Ensure that potential contractors (whom they intend appointing) submitting tenders have made detailed provision for the cost of safety and health measures throughout the project.
16. Stop his /her employees and any appointed contractors if project work is not in accordance with the health and safety plan or if such work poses a threat to the health and safety of persons or a risk of degradation to the environment.
17. Take reasonable steps to ensure cooperation between all their sub-contractors.
18. Only appoint contractors to do work, if satisfied that the contractor has the necessary competencies and resources to perform the work safely.
19. Appoint full-time competent employees during outage in writing to supervise the performance of all specified work throughout the contract period.

Note 2: No work may commence and or continue without the presence of the appointed project manager or project supervisor during performance of the contracted work.

20. Ensure that the supervisor or manager do not supervise work on any site other than the site for which such supervisor has been appointed for.

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Note 3: In determining the number of appointed competent supervisors, the nature and scope of work being performed, shall be taken into consideration.

Note 4: If a sufficient number of competent employee(s) have been appointed to assist the appointed supervisor, the supervisor may supervise more than one site.

21. Appoint a full time safety officer in writing for the duration of the outage. Not victimise or dismiss employees, by virtue of the employees divulging health and safety information or suspecting such information has been divulged, in the interests of health and safety requirements;
22. Follow a process of disciplinary action if any of their employees or their appointed contractor employees have transgressed any of the requirements of the health and safety specification, safety and health plans, site rules or any other requirements.
23. Ensure that all appropriate precautions are taken to protect persons (visitors, members of the public, and other contractors) present at work or in the vicinity of a construction site against all risks that may arise from such site.
24. Before the commencement of any work, conduct risk assessments which shall include public safety. This should be done by a competent person appointed in writing with a view to identify hazardous and potentially hazardous work operations.
25. Ensure that pre-task risk assessments are conducted and documented daily and prior to the starting of any new task, irrespective of whether it is a repetitive task or not.
26. Take prime responsibility for all aspects of environmental management associated with the project activity for which they are responsible.
27. Provide any sub-contractor who is making a bid or is appointed to perform work on Eskom Kusile Power Station's behalf, with the relevant sections of the documented Eskom Kusile Power Station's SHE Specification.
28. Appointed contractors are required to approve sub- contractor's health and safety plans if they meet all the requirements.
29. Must ensure that an organisation medical surveillance programme for the duration of the contract is in place and maintained.

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30. Prior to having pre-employment and periodic medicals fitness examinations conducted, person/man job specifications must be compiled and handed to the occupational health practitioner.
31. Ensure that pre-employment, periodic and exit medicals are carried out on their employees. Medical assessments must be conducted by a registered Occupational Health Practitioner. During the pre-employment medical, where employees will be required to work at heights, they will also be required to undergo the required employee physical and psychological fitness examinations.
32. Ensure, prior to the commencement of any work, that all persons involved in the project work, as well as the appointed contractors, have received a health and safety induction training session. Similarly, ensure that all visitors to site undergo the site's induction training.
33. Issue risk-based personal protective equipment (PPE) as a measure of last resort to their employees, inspect such equipment regularly and ensure recipients of PPE are trained in the proper use, care and where necessary, the maintenance of PPE;

Note 5: should the appointed contractor or his/her sub-contractors entertain visitors on site, they will be held responsible for the provision and wearing PPE.

34. On completion of the work remove all structures erected by them, and where required by law rehabilitate the environment.
35. Must have a substance abuse program which must be in line with the requirements of the OHS Act.
36. Ensure that no alcohol or other intoxicating substances are brought on to or remains on the work sites.

Note 6: Eskom will not tolerate the presence of anyone who is or who appears to be under the influence of alcohol or any other intoxicating substance whilst performing work for them or on any work site.

37. Ensure that all equipment and tools used comply with OHS Act requirements with respect to condition, use, care, storage, maintenance, and the management of these;

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38. Ensure that all incidents are reported and investigated timeously by competent incident investigators.
39. Be involved in all of their sub-contractor's investigations.
40. When appointing sub-contractors, advise the Eskom Kusile project manager in writing timeously and obtain his/her approval prior to them commencing work.
41. Shall keep a record of all employees including the sub-contractor's employees, including date of induction, relevant skills and licenses and be able to produce this list at the request of the Eskom Kusile Project Manager.

2.5.2 Site Managers

Note 1: No work may commence and or continue without the appointed supervisor or site manager during the performance of the contracted work.

1. Assist the contractor and/or the safety officer in conducting site induction training for new staff and site visitors;
2. Communicate to all employees under their control on any hazardous and related work procedures, before any work commences and thereafter, at such times as may be determined by a risk assessment;
3. Ensure that the minimum legislative and Kusile power station SHE requirements are complied with on all work sites;
4. Stop any work that is not in accordance with the safety and health plan or if such work poses a threat to the safety and health of persons or a risk of degradation to the environment;
5. Ensure that risk-based personal protective equipment (PPE) has been issued and employees wear/use the PPE as instructed.
6. Inspect such PPE on a regular basis and record the inspections;
7. Ensure that all incidents are reported to the client and are investigated.
8. Be involved in all investigations that occur within their area of responsibility.

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9. Carry out audits and or inspections on their sub- contractors on instructions of their contractor.
10. Ensure that employees under their control are conversant with all relevant work procedures and that they adhere to such procedures;
11. Ensure that daily or pre-task risk assessments are conducted and documented daily and prior to the starting of any new task, irrespective of whether it is a repetitive task. Ensure that the team are involved in the abovementioned risk assessments;
12. Hold tool box talks at the start of each day/ task to discuss health and safety issues as well as confirming the requirements of the daily risk assessments;
13. Ensure that all appropriate precautions are taken to protect persons (visitors, members of the public, and other contractors) present at work or in the vicinity of a construction site against all risks that may arise from such site.
14. Ensure that no alcohol or other intoxicating substances are brought on to, or remains on, the premises / work sites and that no employee remains on site if he/she is under the influence. Furthermore, report such instances to contract management;
15. Ensure that all equipment and tools used on site comply with OHS Act requirements with respect to condition, use, care, storage, maintenance, and the management of these.
16. Not victimise their employees by virtue of their employees divulging health and safety information or suspecting such information has been divulged, in the interests of health and safety requirements (reference – section 26 of the OHS Act).
17. Where any work is performed which involves the environment, ensure that minimal damage is done to the environment and that where an Environment Management Plan is in place, then the plan adhere to the plan.

Stop any employee or contractor from performing work which is not in accordance with the appointed contractor's and or sub- contractors health and safety plan which poses a threat to the health and safety of persons.

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2.5.3 Contractor site supervisor or Contract Supervisor

Must:

1. Be competent to perform the required supervisory tasks; have attended a supervision or legal liability competent training and a 3 years supervision experience.
2. Ensure their employees and all sub- contractors comply with the required statutory and Kusile power station requirements;
3. Inspect all work done by the employees and all sub- Contractors to ensure adherence to Kusile power station's standards and specifications
4. Conduct follow-up inspections to ensure findings are closed out and preventative action is in place.
5. Ensuring a Safe working environment is established and maintained by the contractor for the elimination of unsafe acts by all people whilst on the project site.
6. Discuss all SHE related problems with the relevant contractor management timeously in the first instance and thereafter the Kusile power station project manager in the second instance relating to procedure requirements, non-conformance's identified, corrective actions, audits and inspection schedules.
7. Ensuring that quality records are maintained in accordance with legislative and Kusile power station requirements;
8. Continual liaison between the appointed contractor, sub- contractors and employees.
9. Ensures that employees and sub- contractors are aware of latest standards, procedures, work instructions and safety regulations issued by Kusile power station:
10. Conduct site Inspections for compliance to SHE requirements and compiles the relevant inspection reports.
11. Participate in all sub- contractor incident investigations.
12. Participate in the appointed contractors emergency preparedness planning.

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13. Ensure that their own employees and those of any sub- contractor are competent to perform the tasks assigned.
14. Issue site instructions on behalf of the appointed contractor where and when the sub- contractors deviate from safety requirements.
15. Assist the appointed contractor with the handing over process, in particular the SHE file and relevant documentation.

2.5.5 Contractor Health and Safety officer

1. The Contractor is to appoint a full-time suitably qualified experienced person to co- ordinate the organisation’s safety effort on site.
2. The following qualifications are acceptable for an appointed Health and Safety officer: Safety management diploma or an Environmental Health diploma from recognised institutions. Or a recognised safety certification (e.g. SAMTRAC – full course) with a minimum of two years working experience.
3. Promote a SHE culture within the organisations involved in the project / contract.
4. The contractor’s safety and health officer shall assist in the control of all health and safety-related matters on the sites.
5. Be involved in the developing the project SHE plan and SHE policy.
6. Be in constant liaison and cooperate with Kusile power station’s SHE professionals responsible for providing them with a health and safety service.
7. Ensure that this SHE specification is adhered to by his/her appointed contractor and is submitted to any sub- contractors.
8. Conduct inspections of all work sites for the duration of the project.
9. Be involved in the organisations incident investigations when required.
10. Conduct organisational, site and visitor induction training.

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11. Stop any employee or contractor from performing work which is not in accordance with the appointed contractor's and or sub- contractors health and safety plan which poses a threat to the health and safety of persons.
12. Appointed contractor Carry out audits and or inspections on their contractors as per the SHE Plan.

3. Safety, Health and Environmental Requirements

3.1 Scope of work

The scope of work for this project entails On-site Inspection, Maintenance, Repair, Calibration, Testing and Replacement of all types of cranes, hoist and crawler equipment associated with the Scope Of Work **Doc ID: 240-97824050**

Note: The contractor who will be awarded this contract will be known as the "appointed contractor" and any contractor appointed by the appointed contractor will be known as the "sub-contractor."

3.2 Legal Compliance

3.2.1 Section 37(2) (Legal) Agreement

A section 37(2) agreement must be signed between Kusile power station and the appointed contractor at the time of awarding the contract. The appointed contractor must ensure that a section 37(2) agreement is compiled between the appointed contractor and all their sub-contractors for the contract. This agreement must be submitted as part of the safety file package.

The original copy of the section 37(2) Agreement must be retained by the appointed contractor and a copy retained by the responsible Eskom Kusile Power Station project manager.

Copies of all the agreements must form part of the respective contractor's SHE file.

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3.2.2 Site Access requirements

The Safety file package must be submitted to the OHS department **2 weeks** before the agreed site establishment date.

Before the successful Contractor commences with any work, the Kusile power station Project Manager/Contract Manager shall ensure that;

- A copy of the SHE Specification document is in the possession of the responsible person of the contracting company as well as the Kusile Power Station baseline risk assessment.
- The responsible person of the contracting company and the Kusile power station project manager/contract manager have signed the Kusile power station section 37 (2) agreement.
- The appointed contractor must be appointed in writing by the Kusile Contract/Project Manager
- The SHE plan must be discussed and accepted by the Kusile Contract Manager and approved by the Appointed Contractor Responsible Person
- A baseline risk assessment in line with the issued scope of work must be part of the SHE Plan and accompanied by a risk assessment procedure applied. A monitoring and review plan must form part of the risk assessment procedure
- Where a Sub Contractor(s) is appointed by the Appointed Contractor, the Contractor supplies the applicable Kusile power station SHE specifications to the Sub Contractor(s).
- The OHS department shall assess and give written feedback to the appointed contractor.
- The safety file has been approved by a form of a written letter from the Occupational Hygiene and Safety Department, the letter shall authorise the appointed contractor to commence with site establishment.

3.2.3 Hazardous work by children (Child Labour)

The constitution of the Republic of South Africa, in the “Bill of Rights” is clear on the rights of children, especially when it comes to:

1. being protected from exploitative labour practices;
2. not to be required or permitted to perform work or provide services that

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- i. are inappropriate for a person of that child’s age; or
- ii. place at risk the child’s well-being, education, physical or mental health or spiritual, moral or social development;

and the Basic Conditions of Employment Act, Chapter six Section 43 “Prohibition of employment of children”.

Before resorting to the use of child labour, due consideration must be given to the rights of the child in terms of the constitution. Where work is being performed which is not prohibited in terms of the constitution, then such work must be conducted in terms of the OHS Act “Regulations on Hazardous Work by Children in South Africa” with emphasis on paragraph 2 Purpose and Interpretation. Eskom does not condone the use of child labour and therefore all effort must be exercised and child labour should not be used.

3.2.3 OHS Act

The appointed contractor and sub-contractors shall have an up to date copy of the OHS Act and regulations which will be available to all employees.

3.2.4 Legislative compliance

The appointed contractor and all sub- contractors will comply with all the legislation pertaining to the issued scope of work. The appointed contractor and sub-contractors shall have an up to date copy of the OHS Act and regulations which will be available to all employees

3.2.4 Requirements Specific to the issued Scope of Work

Overhead Crane, Hoist and Crawler Beam Maintenance Service and Spares falls under High risk in terms of supplier category therefore:

- The Contractor must ensure that all users of Cranes must be trained and certified in order to comply with the new Construction Regulations 2014.
- The Contractor must ensure that all users of cranes and lifting equipment under go SETA accredited training in terms of Driven Machinery Regulations 2015.
- The Contractor must ensure that all personnel maintaining and servicing cranes and lifting equipment are trained and certified.

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- The Contractor must ensure the provision of qualified supervisor to ensure the safe use and perform the necessary inspections of cranes and lifting equipment while on site.
- The Contractor to produce Test Certificates of lifting equipment, no older than three (3) months.
- The Safe Working Load (SWL) must be clearly displayed
- A relevant risk assessment and method statement to be developed and applied.
- Employees must be medical fit to work at fall risk position.
- the effects of wind forces on the crane shall be taken into consideration and that the wind speed device is fitted in such a way that it provides the operator with an audible warning.
- The appointed contractor shall ensure that all lifting equipment is maintained according to the OHS Act Driven Machinery Regulation 18.
- The following critical valid documentation shall be made available before the commencement of any maintenance/servicing of lifting equipment onsite: annual load tests, rope test hook block inspections, 6 monthly inspections, operator certification, applicable drivers' license, daily, crane inspections and 3 monthly lifting tackle inspections
- Appointed contractor used for maintenance and servicing of lifting equipment shall be registered as a Lifting Machines Entity (LME) with the DEL
- The Contractor shall be in possession of a site-specific fall protection plan developed by a competent person.
- The Contractor must ensure that the suspended platform is properly isolated using the correct barricading method in such a manner that it does not present danger to any person(s).
- Medical certificates of fitness that are valid must be part of the safety file package including identification documents of the employees and their competency certificates.
- The Appointed contractor and each Subcontractor shall each have a SHE Policy that shall be duly signed by an authorised signatory concerning the protection of the health and safety of Contractor's Personnel and others in and about the execution of the Works, including a description of his organisation and the arrangements for carrying out and reviewing such policy.

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- A copy of the SHE Policy shall be provided as a tender returnable. Tenderers shall furthermore supply method statements containing sufficient detailed information to demonstrate compliance to this Schedule.
- All contractors shall prominently display a copy of the policy in the workplace where the Contractor's Personnel normally report for service.
- The sub- contractor's SHE Plan shall demonstrate the management process and procedures that shall be adopted to ensure compliance to requirements listed in this schedule and other contract documents requirements.
- These management processes shall identify each activity, the foreseeable internal and external hazards, the specific precautions and controls that shall be necessary to ensure that the Works commence and continue safely and without risks to health or to adjacent operations

The SHE Plan shall contain the following as a minimum:

- Relevant applicable legal and other requirements as per issued scope of work
- Roles and responsibilities
- Process for hazard identification and risk assessment including monitoring and review plans, a further identification of opportunities must be part of the process. Interested and affected parties must be clearly outlined.
- Process for change management
- Process for employee training, competency, communication, awareness and participation
- Process for incident management and investigation
- Process for setting objectives and programmes
- Process in place to review the SHE plan
- Process for performance management and monitoring
- Process for internal audits
- Process for document and records management

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- The sub- contractors SHE Plan shall be reviewed from time to time (and in any event as and when required by the client) to ensure that it fully addresses all the issues and complies with these requirements to the satisfaction of the client.

3.2.6 Occupational Hygiene Monitoring

Occupational Hygiene monitoring should be performed and adhered to base on the Health risk assessment findings. The contractor must provide Eskom with baseline exposure results for occupational hygiene stressors such as noise, welding fumes and other occupational hygiene stressors identified through the health risk assessment.

The employer/contractor shall be responsible for arrangements and costs pertaining monitoring.

Exposure monitoring results should be communicated to Eskom and in the case of over exposures be investigated as per the requirements outlined in the Eskom incident investigation procedure.

The employer must then provide information about precautionary measures against these hazards.

The contractor must submit the following documentation for compliance and auditing purposes:

- Health Risk assessment report.
- Hygiene management Program.
- Preventive actions (action plan feedback)
- Reporting the survey results at set intervals.
- Complaints records.
- Communication records.

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- Reports on control of non-conformance and corrective action- monthly update of close outs.
- Submit attendance registers for training and awareness's.
- Submit monthly on job observations.
- Submit records of PPE issued (i.e. dust masks, ear plugs etc.)

3.3 Quality Requirements

It is important that all the contractors or service providers at Eskom meet the minimum requirements of ISO 9001 quality management system to maintain a high standard of products or services rendered to Eskom.

It is therefore important that the contractor demonstrate commitment to the development, implementation and maintenance of its Quality management system which complies with the requirements of ISO 9001 standard.

This type of work falls under category 2 of quality requirements, The Supplier shall submit a valid ISO 9001:2015 certificate or submit the following evidence:

- Quality (SHEQ) Manual
- Quality (SHEQ) Policy
- Quality (Business) Objectives
- Control of documented procedure
- Procedure for control of non-conformity and corrective action.
- Documented information for defined roles, responsibilities and authorities.
- Procedure for control of externally provided products and services

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- Latest copy of the internal management system audit Including Nonconformity, correction and /or corrective action.
- Project quality plan
- Quality control plan (QCP), Inspection Test plan (ITP) or previous work done.
- Completed and signed Form A.

3.4 Environmental Management

3.4.1 Environmental Management Requirements

- a) The contractor and or supplier shall have a documented and implemented environmental management system e.g. environmental policy, operational procedures relating to their activities, Environmental Aspects and Impacts Register.
- b) The contractor and or supplier shall prepare an environmental management plan relating to their activities that will be carried out. The environmental management plan shall be based on, amongst others, Eskom Kusile Power Station's OEMP and any other applicable environmental legislation. The environmental management plan must include all the aspects and impacts relating to the activity and address the principle of continual improvement;
- c) The contractor and or supplier employees shall attend induction on environmental management prior to commencement of work at Kusile Power Station.
- d) The contractor and or supplier shall comply with all Eskom Kusile Power Station environmental requirements such as policies, standards and procedures.
- e) The contractor shall appoint trained and competent personnel in writing, who will have the responsibilities of implementing all environmental requirements on a specific contract.
- f) Non-conformance and All spills/emergency incidents shall be reported to Eskom Contract Manager and Environmental Officer(s) immediately on occurrence, such reports must include but not limited to the following information:
 - The date and time of the incident
 - The cause of the non-conformance/incident;

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- The proposed actions to correct and prevent recurrence.

g) Eskom Kusile Power Station shall issue non-conformances where there are deviations from Eskom Kusile Power Station Procedures and any other environmental requirements, and the Contractor or Supplier shall be responsible to provide an action plan and close out of such non-conformances timeously.

h) Environmental Incident Investigations shall be done jointly where responsible managers and the environmental team from Eskom and the Eskom subsidiary or contractor are present.

i) Environmental Incident investigation shall be done in accordance to Eskom Environmental Incident Management Procedure (240-133087117).

j) The contractor or supplier shall be responsible to ensure duty of care during execution of work at Kusile Power Station and shall be liable for the costs for the costs of remedying pollution, environmental degradation and consequent adverse health effects as indicated on the NEMA principles below:

National Environmental Management Act 107 of 1998 (NEMA) principles:

- Duty of care and remediation of environmental damage

Every person who causes, has caused or may cause significant pollution or degradation of the environment must take reasonable measures to prevent such pollution or degradation from occurring, continuing or recurring, or, in so far as such harm to the environment is authorized by law or cannot reasonably be avoided or stopped, to minimize and rectify such pollution or degradation of the environment.

- Polluter Pays Principle

The costs of remedying pollution, environmental degradation and consequent adverse health effects and of preventing, controlling or minimizing further pollution, environmental damage or adverse health effects must be paid for by those responsible for harming the environment.

k) The contractor and or supplier shall allocate funds for the implementation of environmental requirements.

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l) All contractors shall abide to Eskom Zero Liquid Effluent Discharge through the process of reuse and recycling.

m) All waste generated during the execution of the scope of work shall be managed in accordance with Kusile Power Station Waste Management Work Instruction (240-105776552) and in compliance with applicable environmental legislation and bylaws.

n) All contractors should be aware of Eskom SHEQ Policy.

o) All contractors must take into account environmental consideration when carrying out Risk Assessments.

p) All equipment used on site must be in good working condition and no fuel and/or oil leaks on any plant will be tolerated.

3.4.2 Records to be kept onsite For Environmental Management

The following minimum records shall be kept on sites:

a) Contractor site specific Environmental Management Plan and Environmental aspect and impact register;

Environmental aspect must be identified, and how they should be mitigated and also be communicated to employees. Proof of communication must be available

b) Environmental Incident registers and investigation reports;

Incident must be reported immediately or within 24 hours of occurrence, investigation must take place within 7 days and concluded with 30 days, lesson learned must be shared with employees. Record of environmental incidents must be made available.

c) Non-conformance register;

When non-conformances are closed, they should be investigated and close-out within the agreed timeframes.

d) Complaints register;

Where complaints are raised they should be reported to Kusile Environmental management Department, be investigated and closed out.

e) Waste disposal register

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- f) Hazardous Substances registers and SDS where applicable;
Where hazardous substances are used, a register should be maintained and all SDS should be available and communicated to employees.
- g) Records of audit reports and audit findings close-out, where applicable;
Records of audit and how findings where closed should be maintained.
- h) Records of environmental inspections conducted.
Monthly environmental inspection should be conducted and records of inspections should be maintained.
- j) Licences for Landfill sites/Waste Treatment plant for all waste streams generated and disposed by the contractor.
- k) Registration certificate for a waste service provider appointed by the contractor
- l) Safe disposal certificates or weighbridge certificates for all waste disposed.

3.4.3 Tender Submission Documentation

The following documentation shall be submitted with all tender submissions:

- a) Environmental Aspects and Impacts register
- b) Environmental management plan;
- c) Appointment letter of the contractor's environmental officer or SHE officer who will be responsible for the implementation of the environmental requirements for the contract;
- d) Environmental Management System Certificate (if certified) if not, an environmental management system manual and or procedures;
- e) List of all hazardous substances to be used and their safety data sheets;
- f) Proof of training (certificates) of persons performing activities that could have significant impact on the environment;
- g) Environmental bill of quantities as per scope of work.

3.5 COID

The appointed contractor and all his/her sub-contractors shall be registered with an appropriate employment compensation commissioner and have available a valid letter of good standing (LoG) from such commissioner. The obligation lies with the contractors to ensure that

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the LoG remain valid throughout the contract period. A copy of the LoG must be filed in the contractor SHE files.

3.6 Costing for SHE within the Project

The SHE costing must be itemised and must take into consideration the scope of work. The appointed contractor must make sure that he/she made adequate provision for the cost of health and safety measures during tendering process. The SHE cost must exclude the tools of the trade and PPE.

3.7 Eskom Life-saving Rules

1. Eskom views health and safety in high esteem and encourages that any organisation who performs work for Eskom in Eskom adopt the same view.
2. These Life-saving rules have been developed that will apply to all Eskom Employees, agents, consultants, and **contractors**. Failure to adhere to these rules by any Eskom employee or employee of an Appointed contractor or sub-contractor will be considered a serious transgression. These rules are being implemented to prevent serious injury or death of any employee, labour broker or contractor working in any area within Eskom.
3. If any contractual work will be performed on any Eskom premises (including delivery of any product), then the rules **shall be obeyed** by any contractor and their employees.

The rules are:

RULE	DESCRIPTION OF RULE
Rule 1	OPEN, ISOLATE, TEST, EARTH, BOND, AND/OR INSULATE BEFORE TOUCH (That is plant, any plant operating above 1000 V)
Rule 2	HOOK UP AT HEIGHTS Working at height is defined as any work performed above a stable work surface or where a person puts himself/herself in a position where he/she exposes himself/herself to a fall from or into.

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Rule 3	BUCKLE UP No person may drive any vehicle on Eskom business and/or on Eskom premises: Unless the driver and all passengers are wearing seat belts.
Rule 4	BE SOBER No person is allowed to be under the influence of intoxicating liquor or drugs while on duty
Rule 5	PERMIT TO WORK Where an authorisation limitation exists, no person shall work without the required permit to work.
Rule 6	NO REVERSING WITHOUT A SPOTTER/FLAGMAN Whenever a construction vehicle has to reverse, there must be a flagman to guide the driver at all times.

Eskom will take a stance of zero tolerance on these rules.

Non-compliance to a Life Saving rule will be considered serious misconduct and will lead to serious disciplinary action, which may include dismissal.

This is to ensure that **every person** who works on or visits an Eskom **returns home safely to his or her family.**

3.8 Substance Abuse

1. Alcohol and substance abuse poses a significant threat to any business, more so in industrial incidents and the driving of vehicles. Eskom is therefore, entitled to take reasonable steps to ensure that intoxicated persons are identified and prevented from entering Eskom.
2. General Safety Regulation 2A is clear on the legal stance regarding intoxication.
3. The alcohol and drug permissible level is 0%.

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4. All contractors shall comply with Eskom’s procedure 32-37 (“Substance Abuse Procedure”), taking in to account that this is an Eskom Life-saving Rule number 4: BE SOBER”), this means anyone entering the Eskom will be subjected to ad hoc alcohol testing.
5. Contractors are encouraged to compile their own manual and to carry out regular alcohol testing of their own employees. The legislative alcohol level is deemed to be zero.
6. Test records must be treated as “Confidential” and filed in the employees’ personal file.

3.9 Risk assessment (refer sec 8 & 9 of the OHS Act)

The contract manager must prepare and provide a Baseline Risk Assessment for an intended work as per the scope of work to the contractor as part of the contract package that gives an overview of identified hazards and mitigation is the work area where this scope of work will be executed

The Appointed Contractor shall develop a Risk Assessment in line with Section 8 (2)(d) of the OHS Act, in alignment to Eskom 32-520 procedure. Emerging risks and hazards must be managed during the duration of the contract. This means that if there are significant changes to a process or activity, or any new process, then these should also be subjected to risk assessment. All risks must be rated. Activity based risk assessments shall be conducted by a competent person of the Appointed Contractor.

3.10 Fire Equipment and maintenance

1. All fire fighting equipment’s that have been provided shall:
 - a.Be clearly labelled
 - b.Conspicuously numbered
 - c. Entered in a register
 - d. Inspected monthly by a competent person
2. Tested and serviced at recommended intervals by an accredited supplier
3. Results entered in the register and signed by competent person.

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3.11 First Aid and Equipment

1. The requirements of the OHS Act GSR 3 must be observed.
2. First aid appointments must be made to meet the requirements. Appointees must be trained to level 2. It is good practice for all employees to be trained to at least level 1.
3. Where more than five employees are employed, the contractor shall provide a first aid box(es) at or near the working area.
4. When appointing employees for work sites, cognisance must be taken into account the type of work performed, the distance teams are working apart and the terrain to be covered if an emergency should arise.
5. A list of emergency numbers must be displayed on the notice boards and made accessible for all employees.
6. Appointed contractor must ensure that his /her employees and sub-contractor employees are familiar with the emergency numbers.
7. Contractors shall have one first aid box for the first 5 persons and thereafter one for every 50 or team of workers on site or part thereof, taking into account the type of work performed and the distance between teams.
8. More first aid boxes shall be provided in accordance with the risk assessment. Boxes must be available and accessible for the immediate treatment of injured persons at the workplace.
9. For offices, signs indicating where the first aid box or boxes are kept as well as the name and contact details of the First Aider of such first aid box or boxes shall be erected.
10. The Appointed contractor and sub-contractor shall ensure that alternative arrangements be made for incidents occurring after working hours

3.12 SHE Communication Systems

Appointed Contractor/s and their sub- contractors must develop a communication procedure outlining how they intend to communicate SHE issues to their staff, the mediums they will employ and how they will measure the effectiveness of their SHE communication. Communications shall include:

- The daily Toolbox talks that shall be documented and accompanied by proof that employees were part of the talks.

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- Pre- job briefing before commencement of tasks and post- job briefing after the completion of the task.
- Any shift handover must be documented where applicable

3.12.1 Tool box talks / Daily team talks / pre job meetings

1. A meeting must be held prior to the commencement of the day's work with all relevant personnel associated with the work task in attendance. The job, relevant procedures, associated hazards, safety measures, i.e. the task risk assessments shall be discussed. Each employee who attends the briefing shall sign an attendance list of that pre-job brief form undertaking that they have an understanding of the tasks, risks and control measures required.

3.13 SHE Training

1. The appointed contractor must submit a training matrix for the workforce indicating all met training requirements in relation to the scope of work
2. Records of all training and qualifications of all contractor employees must be kept in the SHE file.

3.13.1 Induction training

1. The appointed contractor shall ensure that all his / her employees, sub- contractors and their employees have undergone the Kusile power station Safety induction training prior to commencing work on site.
2. Attendance registers must be completed of any induction training given, which must indicate that they have received and understood the induction training.
3. Prior to attending the induction training, all employees must undergo a pre-employment medical examination and found fit for duty. A copy of the certificate of fitness must be kept in the SHE file on site for the duration of the project.
4. All employees and visitors on site shall carry the proof of induction training.
5. All contractor employees must attend the Appointed Contractor induction

3.13.2 Site specific induction training

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The appointed contractor shall ensure that all his / her employees and sub- contractor employees undergo site specific work induction with regard to the approved project SHE plan, general hazards prevalent on site, risk assessment, rules and regulations, and other related aspects. Records of site specific induction must be kept in the safety file

The induction training should also include identification of sensitive features such as wetlands/vlei areas, red data species, graves, etc.

3.13.3 Visitors to site induction

1. Visitors to the site shall be required to undergo and comply with the appointed contractor's site-specific safety induction prior to being allowed access to site.
2. All visitors must remain in the care and custody of a person (host) who has been properly inducted. No visitors are permitted to undertake any work onsite, of any nature.

Visitors who have completed site induction must be provided with a record of proof of Induction training.

3.13.4 Requirements for Drivers

1. The appointed contractor must have a system/ process to manage vehicle access to laydown area/site.
2. The appointed contractor must maintain their vehicles in a roadworthy condition and a vehicle license must be valid at all times.
3. Contractor vehicles can be subject to inspections by the contract/project manager
4. Vehicles which are not roadworthy will not be permitted to be used on site.
5. Precautions shall be taken to secure all loads properly. Loads projecting from vehicles shall be securely loaded and in daytime a red flag and during darkness a red light or red reflective material shall be attached to the extreme end of such projecting material.
6. All vehicles must be fitted with fire extinguisher and first aid kit

3.13.5 Requirements for Drivers

1. The driver must have a valid national licence for the type of vehicle used.
2. The driver must have level 1 first aid training and basic fire extinguisher training

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3. It is the responsibility of the driver to ensure:
4. Their passengers wear seat belts whilst the vehicle is in motion.
5. Comply with all traffic road rules, safety, direction and speed signs.
6. Ensure that vehicle loads are properly secured prior to moving off.
7. Ensure that vehicles are not overloaded.
8. No drivers or operators may text, talk on cell phones or two way radios whilst driving, unless a hands free kit is used.
9. All drivers of such vehicles are to have valid medical fitness certificates.
10. Drivers of light vehicles must avoid stopping or parking in the vicinity of machines. At least 30 (thirty) meters must be left clear between such a vehicle and such a machine
11. Drivers/operators shall be responsible for the travel-worthiness of all loads conveyed by them.

3.14 Housekeeping and Order

1. All contractors shall maintain a high standard of housekeeping within their sites and vehicles for the duration of the project.
2. Prompt disposal of waste materials, scrap and rubbish is essential.
3. Materials/objects shall not be left unsecured in elevated areas –falling objects may cause serious injuries/fatalities.
4. Nails protruding through timber shall be bent over or removed so as not to cause injury.
5. All packaging material including boxes, pallets, crates, etc. to be removed from the work area immediately.
6. On completion of his / her work, the contractor is responsible for clearing his / her work area of all materials, scrap, temporary buildings and building bases to the satisfaction of the client/agent.
7. In cases where an inadequate standard of housekeeping has developed, compromising safety and cleanliness, anyone has the responsibility to bring it to the attention of the appointed contractor in the first instance and the Eskom project/site manager in the second instance.

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8. The Eskom Kusile Power Station's Project/Site Manager has the right to instruct the appointed contractor and appointed contractors to cease work until the area has been tidied up and made safe. Neither additional costs nor extension of time to the contract shall be allowed as a result of such a stoppage. Failure to comply with this requirement will result into site cleaning by another cleaning contractor company at the cost of the appointed contractor.
9. The appointed contractor shall carry out regular safety/housekeeping inspections (at least weekly) to ensure maintenance of satisfactory standards. The appointed contractor shall document the results of each inspection and shall maintain records for viewing.

3.14.1 Stacking

1. Before stacking any material, the contractors or their employees must consult the contract manager for authorisation to use such an area for stacking purposes. This is to prevent haphazard arrangements.
2. Adequate care must be taken by the contractor to ensure that storage and stacking is carried out correctly and safely.
3. Correct shelf stacking must be carried out, heavy and bulky on the bottom, light and small on top.

3.15 Workplace Signage and Colour Coding

1. Symbolic safety signage shall be displayed where it is required by legislation.
2. All symbolic safety signage shall conform to the requirements of SANS standard 1186.
3. Signs shall be positioned to be seen from most positions within the work sites / areas.
4. All signage must be clear at all times and be replaced timeously when worn out.
5. The location of every first aid box; fire extinguisher and emergency exit is to be clearly indicated by means of a sign.
6. When using, an explosive power tool the appropriate signage shall be erected, warning people of its use.

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7. Contractors shall provide signage where work is conducted and where unauthorised entry is prohibited and/or where alerting and cautioning passers-by to be aware of potential dangers.
8. The meanings of the appropriate symbolic signage must be discussed during induction training and toolbox talks.
9. Where possible, within workshops, work areas and established premises, the appropriate sign indicating the meaning of symbolic safety signs must be displayed.

3.16 Tools and Equipment

1. Contractors shall ensure that all tools and equipment are identified, safe to be used and is maintained in a good condition.
2. Contractors shall ensure that all tools and equipment are listed on an inventory list, be regularly inspected at least monthly or as required by legislation and risk assessments. The equipment should be numbered or tagged so that it can be properly monitored and inspected.
3. Where applicable, tools and equipment must have the necessary approved test or calibration documentation prior to being brought onto the project and the records shall form part of the SHE plan. Maintenance calibration shall be undertaken in terms of the manufacturer's requirements.
4. All fuel driven equipment must be properly maintained in accordance with the manufacturer's recommendations and legal requirements.
5. Eskom Kusile Power Station reserves the right to inspect tools or items of equipment brought to site by contractors for use on this project.
6. Should Eskom Kusile Power Station personnel find any item that is inadequate, faulty, unsafe or in any other way unsuitable for the safe and satisfactory execution of the work for which it is intended, the Eskom personnel shall advise the contractor in writing and the contractor shall forthwith remove the item from site and replace it with a safe and adequate substitute.

Note: In such cases, the contractor shall not be entitled to extra payments or extensions of time in respect of delay caused by Eskom's instructions.

7. Where defective tools and equipment's are identified, such tools and equipment shall be removed out of site immediately, locked away to prevent further use until such time as the tool or piece of equipment has been repaired.

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- Contractors shall ensure that the appropriate records are kept for all tools and equipment used on the project. Such tools and equipment's shall be subjected to regular inspections.

3.16.1 Hand tools

- All hand tools (hammers, chisels, spanners, etc.) must be recorded on a register and inspected by the construction supervisor on a monthly basis as well as by users prior to use.
- Tools with sharp points in tool boxes must be protected with a cover.
- All files and similar tools must be fitted with handles.
- No make shift tools are permissible on the project.

3.17 Ladders

- Ladders used shall conform to the requirements of GSR 13A and used in terms of GSR 6.
- The appropriate head protection, with chin strap shall be worn by employees working from a ladder or with climbing irons.
- The ladder wheels, brakes and platform must be in good condition.
- All metal parts to be in good condition, no cracks.
- Non-slip devices must be in good condition and no paint to be on wooden ladders
- Climbing irons are permitted to be used in place of ladders on condition that the requirements of GSR 6 are not compromised and from an electrical point of view not damage any cabling. The working at heights risk assessment must indicate the use of climbing irons.
- Employees using climbing irons shall be suitably trained in the use, care and maintenance of such climbing irons.
- When using climbing irons, the appropriate rope grab fall prevention system shall be used.
- The correct fall protection equipment shall be worn and used whilst climbing up, working from and climbing down ladders.

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10. The appropriate head protection, with chin strap shall be worn by employees working from a ladder or with climbing irons.
11. A detailed inspection of all ladders shall be conducted monthly by a competent person and every time prior to climbing by employees using such ladders. The inspection check lists must be filed in the site SHE files.

3.18 Auditing

3.18.1 Approval and compliance of appointed contractor SHE plan

The Contractor's SHE Plan will be audited against the issued Eskom SHE specification. Once there is compliance only then will the appointed contractors SHE plan be approved by an appointed Eskom contract custodian. The implementation of the SHE Plan shall be assessed / audited by Eskom Kusile Power Station personnel on monthly basis during the outage period. This will include physical conditions evaluation.

3.18.2 Eskom SHE audits

Eskom Kusile shall evaluate all contractors' SHE performance on an ongoing basis against the legal, Eskom requirements, SHE specification and the contractors SHE plans.

Note: Eskom Kusile reserves the right to conduct unannounced audits on contractors

If there are any findings / non-compliance identified as serious in these audits, an activity will be stopped for that specific Appointed contractor and sub-contractor.

3.18.3 Contractor audits

The appointed contractors are required to audit their sub- contractors on the implementation of their SHE Plan on a monthly basis or when the scope of work changes. A summary of the findings and the proposed corrective actions shall be submitted to Kusile power station OHS department within one week after completion of the audit and a copy of the audit report shall be submitted to the sub- contractor within 7 days of the audit

3.19 Smoking

The national smoking policy must be adhered to. At Kusile power station smoking is permitted in designated areas only (Eskom Smoking Procedure 32-36).

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3.20 Cellular Phones

The national requirements regarding the use of cellular phones must be observed, in particular when driving and or operating mobile equipment and or machinery.

3.21 General Requirements as per the cellular phone usage generation directive

- **Cell phones shall not be used while operating any crane, hoist, powered industrial trucks, pay loaders, forklifts or other lifting device.**
- Not be used while engaged in any job task that requires the use of the hands and/or the full attention of the employee, contractor, or visitor (i.e. fire watch, equipment operator, operating a valve, etc).
- Be turned off in any area containing flammable/combustible vapours, e.g. turpentine system, methanol system, fuelling stations, oil and propane storage tanks, flammable/combustible material storage areas.
- Not to be used when climbing and descending any form of staircase.
- Not to be used for text messaging whilst walking.

3.21.1 Medicals

Note: Eskom Kusile will only accept medical surveillances conducted by an Occupational Health Practitioner who holds a qualification in occupational health.

1. Appointed contractors must ensure that their employees and their appointed contractor employees have a medical surveillance program whereby their employees under go entry, periodic and exit medical fitness examinations.
2. In order for the appropriate medical examinations to be conducted, each employee must have a Person/man job specification, which must indicate the description of work, list of hazards and potential occupational exposure limits, physical hazards and required physical attributes.
3. Medical fitness certificates shall be renewed annually for employees who are working on site. This shall be maintained until completion of the contract/Outage.
4. The Appointed contractor must ensure that his / her employees and sub-contractor employees have undergone pre-entry medical examination before starting work on the contract.

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- The appointed contractor shall provide a documented process for managing those employees who are issued with a conditional certificate of fitness.

3.22 Working at Heights

3.22.1 General Requirements

Wherever reasonably practicable, preference is given to the performance of work at ground level as opposed to the elevated position. Where work in an elevated position is necessary, preference is given to fall prevention measures such as, but not limited to, effective barricading and the use of work platforms. Persons may only work from a fall risk position if a site-specific fall protection plan is in place and correctly implemented and consists of the following:

- All appointments for the fall protection plan developer and implementer are in place.
- Baseline risk assessment, which is specific and incorporates the working at height risk assessment, as well as the site-specific risk assessment, has been completed for the work to be conducted.
- Safe working procedure/task analysis and work instructions, approved by a competent person, are in place.
- A fall rescue plan, along with necessary equipment and trained rescuers, is in place.
- Appropriate training, as determined by the risk assessment, has been provided.
- Appropriate height safety equipment and personal protective equipment have been issued to the individual.
- There are equipment inspection procedures and up-to-date inspection records.
- Individuals are medically fit to work at height, and records of this are kept.
- A site-specific risk assessment is performed.

While work is in progress, adequate warning signs and/or barricades shall be used in all areas where there is a risk of persons being injured by materials or equipment falling from the work area. Barricades should be continuous and easily visible.

A drop zone shall be established with appropriate warning signs and barricading, warning personnel below of workers above and potential falling objects.

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Every employer shall ensure that work at height is:

1. properly planned;
2. appropriately supervised; and
3. carried out in a manner that is, as far as is reasonably practicable, safe and that its planning includes the selection of work equipment.

3.23 Personal Protective Equipment Requirements

1. The Appointed contractor must provide a detailed programme that includes the issuing, maintenance and replacement of PPE for all his employees and sub- contractors on site.
2. All contractors shall comply with the requirements of GSR 2 of the OHS Act.
3. The risk based PPE matrix must be compiled detailing the types of PPE that is required to be issued to employees performing the respective tasks.
4. Where there are unusual instances where particular activities require additional type of PPE, then a risk assessment must be conducted where such PPE requirements will be identified and the issuing be carried out.
5. All contractors shall ensure that their visitors wear and use the correct PPE whilst on worksites.
6. Where PPE is required and visitors are not in possession of, then it is the individual contractor's responsibility to provide the PPE.
7. All PPE purchased and used by all contractor employees including visitors must comply with the relevant SANS standards.
8. Where deemed as a requirement, then high visibility vests shall be worn.

3.24 Incident Investigation

- All incidents shall be investigated in terms of OHS Act General Administrative Regulations 8 and 9, using Eskom Procedure 32-95 as a reference, and where injuries as contemplated in sections 24 and 25 have been sustained, be reported to the Department of Labour.

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- Appointed contractor must develop their own incident management procedure that is in line with Eskom procedure 32-95.
- Contractors shall use the standard General Administrative Regulation Annexure 1 “Recording of an Incident” form for all incident investigation reports.
- The objective of incident investigation, should not only be a legal requirement, but should establish why and how the incident occurred and find out the real root cause of the incident and to decide on precautionary measures that are required to address the root cause to prevent any further recurrences of the same or similar incidents.

3.25 Emergency Management

The appointed contractor must develop their own emergency management procedure detailing the possible emergencies that could arise due to the activities that they conduct at Kusile power station premises and how they will evacuate their laydown areas in case of any emergency. The contractor emergency management procedure must be in line with Kusile power station emergency response plan.

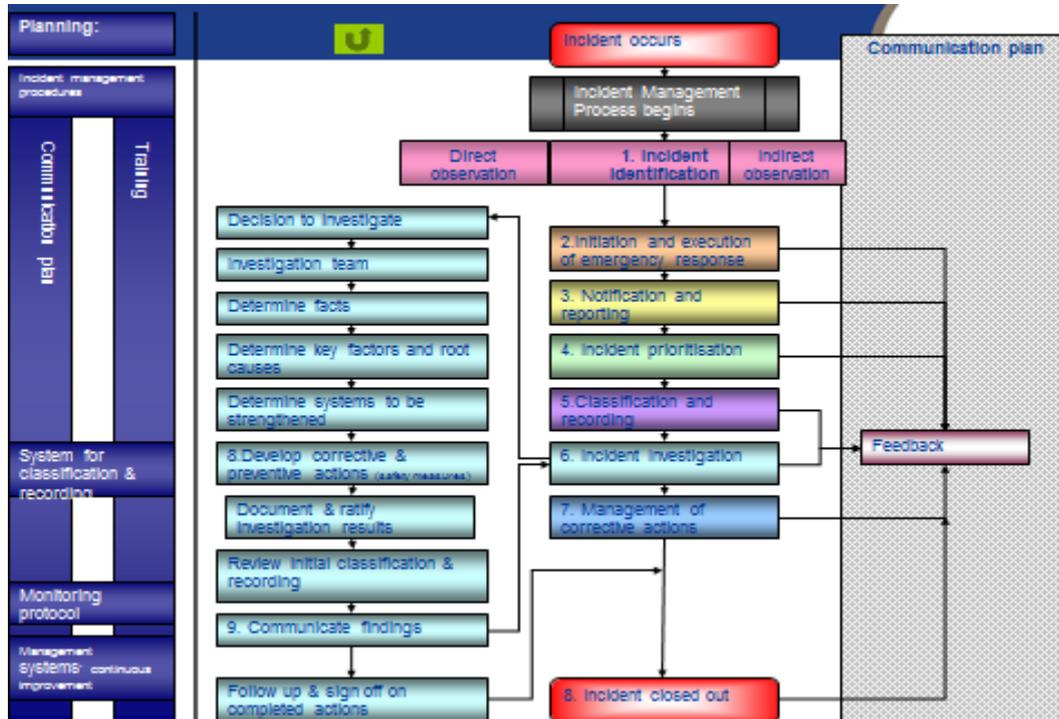
The appointed contractor must familiarise themselves with the Kusile power station emergency response plan and procedure. Periodic emergency drills must be undertaken to test the effectiveness of the plan. This must be recorded and provided on request.

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3.26 Non-Conformance and Compliance

1. Any non-compliance to any health and safety requirement in this SHE specification is subject to discipline in terms of the Eskom Procurement and Supply Management Procedure.
2. The appointed contractors are required to implement a non-conformance procedure (if not already in place) for issuing to contractors for transgressions. The procedure can include “quality” related non-conformance issues. Similarly, sub- contractors must implement a non-conformance procedure.
3. The procedure for the issuing and closing off of non-conformance reports shall be strictly adhered to.
4. Contractor project management must monitor the close out non-conformances issued, in not doing so; any recommendations made may not be implemented.
5. Where non-conformances are issued by Kusile power station then one of the close-out steps of the procedure will be for the offender to be called by the responsible project

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manager to explain the non-conformance issued and what plan is in place to prevent a recurrence of the non-conformance.

- Should the contractor fail to provide adequate PPE to their employees for the tasks being performed and/or to visitors; failure to enforce the wearing of such PPE will be viewed as a transgression of the legislative and Kusile power station requirements.

3.27 Work Stoppage

- Any person may stop any activity where an unsafe act or unsafe condition that poses or may pose an imminent threat to the safety and health of an individual or create a risk of degradation of the environment.
- This includes any unauthorised work or service performed by, or legally or contractually non-compliant acts or omissions by, any contractor contracted to work at that site.
- Work stoppages that are initiated due to SHE concerns, non-compliance, or poor performance related to the contractor's works or services shall not warrant any financial compensation claim lodged against Kusile power station where the contractor has not met the requirements defined legally or contractually.
- Where stoppages are carried out, the required non-conformance report shall be raised.
- All work stoppages ideally should be investigated and documented by contract custodians.

3.28 Hours of Work

The requirements of the Basic Conditions of Employment Act, Chapter Two "Regulation of Working Time" must be adhered to. All contractors are required to maintain an accurate record of time worked by each employee.

3.28.1 Normal work

All work conducted on site shall fall within the legal requirements in accordance with the Basic Conditions of Employment Act. Contractors will notify their Kusile power station Supervisor or project manager of any work that needs to be performed after hours according to the agreed arrangements.

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3.28.2 Night work

When night work is to be performed; contractors shall provide sufficient lighting to enable the entire work site to be illuminated to a degree that employees will not work in dark (un-illuminated) or dimly lit areas. Care must be exercised as not to use few lights with high light intensives as this will cause night blindness.

If work is continuing from day light into night, at dusk, a tool box talk must be held where all employees will be advised of the hazards of night work and the extra precautions which require to be taken, i.e. poor housekeeping, stepping on uneven ground, stepping into holes etc.

3.28.3 Overtime

When overtime is required to be performed, the sub-contractors shall inform the appointed contractor of such action. The appointed contractor shall inform the Eskom Kusile project manager of such function. Contractors shall be aware of the effects of human fatigue and regulate overtime accordingly. The baseline risk assessment must be reviewed to include the management of overtime work.

3.29 Omissions from Safety and Health Requirements Specification

By drawing up this SHE specification Kusile power station has endeavoured to address the most critical aspects relating to SHE issues in order to assist the contractor to adequately provide for the health and safety of employees on site

Should Kusile power station have not addressed all SHEQ aspects pertaining to the work that is tendered for, the contractor needs to include it in the SHE plan and inform Kusile power station of such issues when signing the contract.

The principal contractor must submit their monthly safety statistics on the last day of the month at the OHS department.

3.30 Contract Sign-Off

On completion of the project, the appointed contractor is required to submit a copy of the SHE File to the contract managers, including drawings, designs, materials used and other similar information concerning the completion of the project.

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4 Acceptance

Nil.

5 Revisions

Date	Rev.	Compiler	Remarks

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