	<b>SHE SPECIFICATION</b> <b>The design, manufacturing, supply, testing, installation, and commissioning MVar Distribution Static Synchronous Compensator</b>	Template Identifier	240-73416879	Rev	2
		Document Identifier		Rev	X
		Effective Date	20 February 2016		
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**Project Name:** The design, manufacturing, supply, testing, installation, and commissioning MVar Distribution Static Synchronous Compensator

**Project Address:** NCOU / Disselfontein Zoetgat 22 kV feeder


**Scope of the project:** The design, manufacturing, supply, testing, installation, and commissioning MVar Distribution Static Synchronous Compensator

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## 1. Introduction

Eskom's responsibility and commitment is to ensure a safe working environment is in line with its Safety, Health, Environmental and Quality Policy, along with legislative obligations.

This SHE specification is Eskom the 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 SHE plan which meets these requirements as well as all the relevant applicable legislation they conform to.**

**Eskom 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.

Where requirements listed are already in place, then the organisational requirements must be taken cognisance of and listed in the respective SHE plans. If there are any additional Eskom and or legislative requirements listed in the SHE specification, then these must be addressed.

## 2. Supporting Clauses


### 2.1 Scope

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

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### 2.1.1 Purpose

This document will provide a standardised approach to the compilation of SHE specifications throughout Eskom for contracts, standards and NEC 3 contracts.

### 2.1.2 Applicability

This SHE specification is applicable to any contracting organisation who intends tendering for the contract.

## 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] National Road Traffic Act 93 of 1996.
- [5] 32-37 Eskom Substance Abuse Procedure.
- [6] 32-136 Contractor Health and Safety Requirements
- [7] 240-62196227 Life- saving Rules
- [8] 32-95 Environmental, Occupational Health and Safety Incident Management Procedure
- [9] 32-727 SHEQ Policy
- [10] 32- 418 Working at Heights Procedure
- [11] 240-62946386 Vehicle and Driver Safety Management Procedure
- [12] 32-520 Risk Assessment procedure
- [13] Plant Safety Regulations.

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### 2.2.2 Informative


- [1] Tobacco Products Control Act 83 of 1993 (Updated 2011.05.19)
- [2] SANS 1186 Symbolic Safety Signs
- [3] Constitution of the Republic of South Africa No 108 of 1996
- [4] DMN 34-110 Operating A Vehicle Mounted Crane
- [5] DMN 34-1981 Excavations.

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## 2.3 Definitions

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Definition	Explanation
<b>Appointed contractor</b>	Means a contractor appointed by the principal contractor
<b>Baseline risk assessment</b>	(32-520) baseline operational risks refer to the health and safety risks associated with all standard processes and routine activities in the business
<b>Business unit (BU)</b>	(32-296) means any defined unit within the Eskom environment, operating as a business under a particular cost-centre number. In the context of this document and in terms of health and safety, any reference to a BU includes a defined unit within any Eskom division and its subsidiaries
<b>Client</b>	(OHS Act) Eskom representative (Internal – Asset Owner), also referred to as the contract administrator/custodian or agent or project manager (as defined in the contract). He/she is the person responsible for ensuring that the works or services are executed in terms of the contract, as well as adherence to legislation pertaining to the contract.
<b>Competent person</b>	(OHS Act) means any person having the knowledge, training, experience, and qualifications, specific to the 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)
<b>Contractor</b>	(OHS Act) means an employer as defined in section 1 of the Act who performs contracted work and includes principal contractors
<b>Construction work</b>	Any work in connection with <ul style="list-style-type: none"> <li>a. the construction, erection, alteration, renovation, repair, demolition or dismantling of or addition to a building or any similar structure.</li> <li>b. the construction, erection, maintenance, demolition or dismantling of any bridge, dam, canal, road, railway, runway, sewer or water reticulation system or the moving of earth, clearing of land, the making of excavation, piling or any similar civil engineering structure or type of work.</li> </ul>
<b>Consultant</b>	means a person providing professional advice
<b>Controlled disclosure</b>	controlled disclosure to external parties (either enforced by law or discretionary)
<b>Duty of care to the environment</b>	(32-136) anybody who causes or 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. If such harm to the environment is authorised by law or cannot reasonably be avoided or stopped, such person must minimise and rectify such pollution or degradation of the environment

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Definition	Explanation
<b>Employee</b>	(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
<b>Employer</b>	(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)
<b>Environment</b>	(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
<b>Environmental Management plan</b>	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
<b>Eskom requirements</b>	Eskom requirements flowing from directives, policies, standards, procedures, specifications, work instructions, guidelines, or manuals
<b>Fall protection plan</b>	(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
<b>Hazard</b>	(OHS Act) means a source of, or exposure to, danger
<b>Hazard identification</b>	(OHS Act) means the identification and documenting of existing or expected hazards to the health and safety of persons, which are normally associated with the type of construction work being executed or to be executed
<b>Health and safety file</b>	(OHS Act) means a file or other record in permanent form, containing the information required in relation to the contract.
<b>Health and safety plan</b>	(OHS Act) means a document plan that addresses hazards identified and includes safe work procedures to mitigate, reduce, or control hazards identified

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Definition	Explanation
<b>Health and safety specification</b>	(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.
<b>Health and safety requirements</b>	means comprehensive health and safety requirements for a contract, project, site, and scope of work. This specification is intended to ensure the health and safety of persons, both workers and the public, and the duty of care to the environment. The health and safety requirements must be specific to each contract, project, site, and scope of work
<b>Lifesaving Rules</b>	(240-62196227) a rule that, if not adhered to, has the potential to cause serious harm to people
<b>Medical Certificate of fitness</b>	(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
<b>Medical surveillance</b>	(OHS Act) means a planned programme or periodic examination (which may include clinical examinations, biological monitoring, or medical tests) of employees by an occupational health practitioner or, in prescribed cases, by an occupational medicine practitioner
<b>Method statement</b>	(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
<b>Organisation</b>	may be defined as a group of individuals (large of small) that is cooperating under the direction of executive leadership in accomplishment of certain common objects
<b>Pre-job meetings</b>	(34-227) means a meeting that is held prior to the commencement of the day's work and that is attended by all the relevant employees associated with the work task
<b>Principal contractor</b>	(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.
<b>Provincial director</b>	(OHS Act) means the provincial director as defined in Regulation 1 of the General Administrative Regulations under the Act
<b>Responsible Manager</b>	Is a Manager of a department, section or operating/business unit who has been appointed as part of the Eskom delegation of authority process with the aim to assist the applicable 16(2) assigned person in executing his/her duties in terms of the Occupational Health and Safety Act

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Definition	Explanation
<b>Risk assessment</b>	(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.
<b>Site</b>	(34-228) means an Eskom department, unit, complex, building, specific project, work site, or the site where agents, clients, principal contractors, contractors, suppliers, vendors, and service providers provide a service to Eskom, directly or indirectly
<b>Service provider</b>	any private person or legal entity that provides any service(s) to Eskom for compensation
<b>Subsidiary</b>	(32-94) an enterprise controlled by another (called the parent) through the ownership of greater than 50% of its voting stock
<b>Supplier</b>	(32-1034) means a natural or legal person who renders a service and may include the following current or potential supplier vendor, contractor, consultant
<b>Task</b>	(34-227) a segment of work that requires a set of specific and distinct actions for its completion
<b>Toolbox talks</b>	(34-227) where the team leader, after conducting pre-task planning, shares all the tasks at hand and discusses task allocation, the identified risks, and the control measures with all his/her team members on site before commencing a specific task and documenting the agreed strategy. (This shall be done to ensure common understanding of the tasks, risks, and control measures required.)
<b>The Act</b>	(OHS Act) means the Occupational Health and Safety Act No. 85 of 1993, as amended, and the Regulations thereto
<b>Visitor</b>	any person visiting a workplace with the knowledge of, or under the supervision of, an employer.


## 2.4 Abbreviations

Abbreviation	Description
<b>AIA</b>	Approved Inspection Authority
<b>BU</b>	Business Unit
<b>CE</b>	Chief Executive
<b>CNC</b>	(Eskom) Customer Network Centre

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Abbreviation	Description
AIA	Approved Inspection Authority
BU	Business Unit
CE	Chief Executive
CR	Construction Regulations of the OHS Act
COID Act	Compensation for Occupational Injuries and Diseases Act
DMR	Driven Machinery Regulations
DoE L	Department of Employment and 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
HCA	Hazardous Chemical Agent
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
SACPCMP	South African Council for the Project & Construction Management Professions
SABS	South African Bureau Standard
SANS	South African National Standard

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## 2.6 Roles and Responsibilities

### 2.6.1 Commitment

Visible commitment is essential to providing a safe work environment. Managers, supervisors and employees at all levels must demonstrate their commitment by being proactively involved in the day to day operations, in particular the Occupational Health and Safety aspects of any project / contract. Legislation requires that each employee must take reasonable care of themselves and their fellow workers, from management level down to the lowest employee level.

### 2.6.2 Principal contractors and appointed contractors


**Note 1:** Most of the roles and responsibilities listed apply to both principal contractors and any appointed 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 and Regulation 7 of the Construction Regulations.
2. The principal contractor must notify the provincial director of the Department of Labour in writing of all construction work if it falls within the scope of Regulation 4 of the Construction Regulations (if this has not been arranged and or done by the client/agent);
3. 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;
4. Shall keep a record of all employees including the appointed contractor employees, including date of induction, relevant skills and licenses and be able to produce this list at the request of the Eskom Project Manager.
5. 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.

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6. Ensure that the minimum legislative, regulatory and Eskom SHE requirements are complied with on all work sites.
7. Give the Eskom project managers and line managers / responsible managers their full participation and cooperation.
8. Compile a SHE (health and safety) file where all relevant health and safety records must be kept for each work site.
9. The principal contractor must hand over a consolidated (to include any appointed contractors files) health and safety file to the Eskom 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.
10. Contractors must hand over a consolidated (to include any appointed contractors files) health and safety file to the principal 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.
11. The principal 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 principal contractor must provide the Eskom project manager with all the valid letters of good standing from their appointed contractors.
12. Contractors must provide the principal 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.

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13. 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.
14. 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 appointed contractors and their employees are conversant with all relevant work procedures and that they adhere to such procedures.
15. Co-ordinate the activities of all the appointed contractors in the interests of safety and health;
16. 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.
17. 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.
18. Take reasonable steps to ensure cooperation between all their appointed contractors.
19. Only appoint contractors to do work, if satisfied that the contractor has the necessary competencies and resources to perform the work safely.
20. Appoint full-time competent employees 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.


21. 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.

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

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

22. Appoint a Full-time safety officer or construction safety officer (registered with SACPCMP) in writing.
23. 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;
24. 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.
25. 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.
26. 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.
27. 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.
28. Take prime responsibility for all aspects of environmental management associated with the project activity for which they are responsible.
29. Provide any appointed contractor who is making a bid or is appointed to perform work on Eskom's behalf, with the relevant sections of the documented Eskom's SHE Specification.
30. Principal contractors are required to approve appointed contractor's health and safety plans if they meet all the requirements.
31. Must ensure that an organisation medical surveillance programme for the duration of the contract is in place and maintained.

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32. 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.
33. 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.
34. Ensure, prior to the commencement of construction 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.
35. Ensure, prior to the commencement of construction work or contracted work, that all their employees involved in the project work, as well as the appointed contractors, have received task-specific training.
36. 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 principal contractor or his/her appointed contractors entertain visitors on site, they will be held responsible for the provision and wearing PPE.

37. Erect their own site huts, temporary buildings, storage areas, toilets, fencing, and any other structure as may be required. Any such structures shall be positioned and erected in compliance with any instructions from the Eskom project manager and the relevant site safety and fire prevention requirements;
38. On completion of the work remove all structures erected by them, and where required by law rehabilitate the environment.
39. Where performing work with the environment, ensure that minimal damage is done and that where an Environment Management Plan is in place, then adhere to the plan.

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40. Respect the rights of land owners/lessors and the preservation of their registered activities;

41. Must have a substance abuse program which must be in line with the requirements of the OHS Act.

42. 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.

43. 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;

44. Ensure that all incidents are reported and investigated timeously by competent incident investigators.

45. Be involved in all of their appointed contractor's investigations.

46. Establish health and safety committees, hold such committee meetings on all sites, and ensure that appointed contractors participate in their health and safety meetings.

47. Chair their own health and safety committee meetings and record such meetings.

48. Appoint sufficient number of health and safety representatives in terms of legislative requirements and ensure that the appointed contractors appoint health and safety representatives for their work sites.


49. When appointing contractors, advise the project manager in writing timeously and obtain his/her approval prior to them commencing work.

50. Shall keep a record of all employees including the appointed contractor's employees, including date of induction, relevant skills and licenses and be able to produce this list at the request of the Eskom Project Manager.

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### 2.6.3 Construction Managers/ Contract Managers


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

1. Not supervise construction work on any construction site other than the site they have been appointed to supervise;
2. Assist the contractor and/or the appointed safety officer in conducting site induction training for new staff and site visitors;
3. Instruct and train 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;
4. Ensure that the minimum legislative and Eskom SHE requirements are complied with on all work sites;
5. Stop any construction 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;
6. Ensure that risk-based personal protective equipment (PPE) has been issued and employees wear/use the PPE as instructed.
7. Inspect such PPE on a regular basis and record the inspections;
8. Ensure that all incidents are reported to the client and are investigated.
9. Be involved in all investigations that occur within their area of responsibility.
10. Carry out audits and or inspections on their contractors at least monthly and any appointed contractors on instructions of their contractor.
11. Ensure that employees under their control are conversant with all relevant work procedures and that they adhere to such procedures;
12. Before the commencement of any work, where possible, assist in the conducting of risk assessments and ensure that appropriate mitigating measures have been considered and implemented.;
13. 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;
14. 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;
15. 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.
16. 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;

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17. 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.
18. Ensure that they and their contractor managers give clear and unambiguous instructions for the project work, to the employees for whom they are responsible for.
19. 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).
20. 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.
21. Stop any employee or contractor from performing construction work which is not in accordance with the principal contractor's and or appointed contractors health and safety plan which poses a threat to the health and safety of persons.

#### 2.6.4 Contractor site supervisor or Contract Supervisor


Must:

1. Be competent to perform the required supervisory tasks;
2. Ensure their employees and all appointed contractors comply with the required statutory and Eskom project requirements;
3. Inspect all work done by the Contractors to ensure adherence to Eskom's standards and specifications
4. Conduct follow-up inspections to ensure findings are closed out and preventative action is in place.
5. Monitor contractors for adhere to statutory requirements and safety standards.
6. Monitor contractors overall SHE performance on site in order to achieve excellent results
7. 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.
8. Discuss all SHE related problems with the relevant contractor management timeously in the first instance and thereafter the Eskom project manager in the second instance relating to procedure requirements, non-conformance's identified, corrective actions, audits and inspection schedules.

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9. Ensuring that quality records are maintained in accordance with legislative and Eskom requirements;
10. Continual liaison between the principal contractor, appointed contractors and employees.
11. Ensures that employees and appointed contractors are aware of latest standards, procedures, work instructions and safety regulations issued by Eskom:
12. Conduct site Inspections for compliance to SHE requirements and compiles the relevant inspection reports.
13. Submit the observation reports to the relevant management.
14. Have meaningful participation in the project statutory health and safety committee meetings.
15. Participate in all appointed contractor incident investigations.
16. Participate in the principal contractors emergency preparedness planning.
17. Ensure that their own employees and those of any appointed contractor are competent to perform the tasks assigned.
18. Issue site instructions on behalf of the principal contractor where and when the appointed contractors deviate from safety requirements.
19. Assist the principal contractor with the handing over process, in particular the SHE file and relevant documentation.

## 2.6.5 Employees

Must:


1. Be responsible for their own safety and health and that of their co-workers;
2. Co-operate with their employer to meet all of the employer's as well as legislative and Eskom requirements;
3. Familiarise themselves with their responsibilities during induction and awareness training sessions, some of which are:
  - a. familiarising themselves with their workplaces and safety and health procedures;
  - b. working in a manner that does not endanger them or cause harm to others;
  - c. ensuring that the work area is kept tidy;
  - d. reporting all incidents and near misses;
  - e. protecting fellow workers against injury by performing job observations;
  - f. reporting unsafe acts and unsafe conditions;
  - g. reporting any situation that may become dangerous; and
  - h. carrying out lawful orders and obeying safety and health rules;

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4. Who become aware of any person disregarding a safety notice, instruction, or regulation, immediately report this to the person concerned. If the person persists, stop that person from working, and report the matter to contractor management and/or Eskom's project manager or supervisor immediately.
5. Not damage, alter, remove, render ineffective, or interfere with anything that has been provided for the protection of the site or for the health and safety of persons this includes any guarding of machinery or equipment.
6. Obey any safety signs and adhere to any site demarcation at all times.
7. When entering or leaving the site, do so via the official designated access/departure routes. Where reflective jackets/bibs are required to be worn, wear them.
8. Be subjected to any disciplinary action, if having transgressed any of the requirements of the health and safety site rules, Eskom requirements, company requirements, or legislative requirements.
9. Avoid any act that may endanger their own health and safety or that of fellow employees, members of the public, or visitors who may be affected by their acts and/or omissions at work.
10. Have the right to obtain proper information from their employer regarding health and safety risks and measures related to the work processes.
11. Use facilities placed at their disposal and not misuse anything provided for their own protection or that of others.
12. Have the right to remove themselves from danger when they have good reason to believe that there is an imminent and serious danger to their health and safety and have the duty to inform their supervisor immediately of such danger.
13. Report to their supervisor (in the first instance), the principal contractor (in the second instance), and/or the Eskom project manager, any substandard acts and/or conditions that have come to their attention and that have not been rectified or acted on by their contractor management timeously.
14. Have the right and the duty at any workplace to participate in ensuring healthy and safe working conditions, to the extent of their control, over the equipment and methods of work adopted.
15. Maintain the surrounding area of the work site in a neat and tidy condition.
16. Have meaningful participation in regular health and safety meetings.
17. Have the right to refuse to perform or continue to perform any task/job on the grounds of health, safety, and environmental concerns.
18. When given instructions, understand the instructions and be permitted to clarify those instructions.


## 2.6.6 Contractor Health and Safety officer (Full Time)

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1. Promote a SHE culture within the organisations involved in the project / contract.
2. The contractor's safety and health officer shall assist in the control of all health and safety-related matters on the sites.
3. Be involved in the developing the project SHE plan and SHE policy.
4. Be in constant liaison and cooperate with Eskom's SHE professionals responsible for providing them with a health and safety service.
5. Ensure that this SHE specification is adhered to by his/her principal contractor and is submitted to any appointed contractors.
6. Conduct audits and inspections of all work sites for the duration of the project.
7. Be involved in the organisations incident investigations when required.
8. Participate in the organisation's statutory and non-statutory health and safety committees meetings.
9. Conduct organisational, site and visitor induction training.
10. Stop any employee or contractor from performing construction work which is not in accordance with the principal contractor's and or appointed contractors health and safety plan which poses a threat to the health and safety of persons.
11. 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.
12. Make themselves available and ensure co-operation of employees under their control to undergo breathalyser and drug testing while entering and/or being on any Eskom work site by Eskom.
13. Carry out audits and or inspections on their contractors at least monthly and any appointed contractors on instructions of their contractor;
14. Carry out frequent behaviour observations of employees under their control at least monthly and any appointed contractors on instructions of their contractor.


## 2.5 Related/Supporting Documents

Eskom OHS Act section 37 (2) agreement to be signed at procurement during the signing of the NEC contract, it is the responsibility of the project manager to ensure that the 37(2) agreement is signed and a copy be kept in the contractor file at procurement.

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### 3. Specification

#### 3.1 Scope of work

The design, studies, engineering, software provision, material procurement, manufacturing, quality management, factory inspection, testing, transport, delivery to site, insurances, construction, installation, site inspection, testing, commissioning, training, RAM calculations and guarantees, performance verification, warranty and all associated work and services relating to the installation of a  $\pm 1$  MVar Distribution Static Synchronous Compensator (DSTATCOM) at Pole number DZO-172 on the Disselfontein Zoetgat 22 kV feeder

**Note:** The contractor who will be awarded this contract will be known as the “principal contractor” and any contractor appointed by the principal contractor will be known as the “appointed contractor.”

#### 3.2 Legal Compliance

##### 3.2.1 Section 37(2) (Legal) Agreement

A section 37(2) agreement must be signed between Eskom and the principal contractor at the time of awarding the contract. The principal contractor must ensure that a section 37(2) agreement is compiled between the principal contractor and all their appointed contractors for the contract.

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

A copy of all the agreements must form part of the respective contractor’s SHE file.

##### 3.2.2 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 principal contractor and appointed 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

All contractors will comply with all the legislation pertaining to this contract being:


The principal contractor and all appointed contractors will comply with all the legislation pertaining to this project being:

- The Constitution of the Republic of South Africa (particularly Section 24 of the Bill of Rights).
- Occupational Health and Safety Act 1993 (Act 85 of 1993) and its Regulations.
- National Environmental Management Act 1998 (Act 107 of 1998).
- Environment Conservation Act 1989 (Act 73 of 1989).
- National Water Act 1998 (Act 36 of 1998).
- Civil and Building Work Act.

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- National Road Traffic Act 93 of 1996.
- Compensation for Occupational Injuries and Diseases Act.
- SANS Standards –Contractor shall use the relative standards applicable to the project.

### 3.3 Eskom Requirements

All contractors shall, before commencement of the project ensure that all their employees are familiar with the relevant Eskom SHE documentation that is applicable to contract services.

### 3.4 Construction Professional Registration

The principal contractor and all his/her appointed contractors shall be registered in their respective levels as professionals in terms of the requirements of the SACPCMP.

The SACPCMP web address is <http://www.sacpcmp.org.za>

- SHE professionals (which include Construction Safety Officers) are required to register as professionals with the SACPCMP.
- Construction Managers are required to register as professionals with the SACPCMP.
- Construction agents are required to register as a professional with the SACPCMP.


### 3.5 Notification of Construction Work

Unless otherwise contractually agreed upon, the principal contractor must notify the relevant provincial director of the Department of Labour of the intention of carrying out any construction work as defined in Construction Regulation 4 of the Act. The notification form of construction work is listed as an annexure to the construction regulations of the OHS Act. A copy of the notification letter sent to the DoL shall be forwarded to the Project Manager on the same day as sent to the DoL. A copy of the letter and their approval must be kept in the SHE file. When the DoL provide a letter of approval, a copy of the approval must be sent to the Eskom Project Manager and a copy filed in the SHE file.

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### 3.6 SHE Policy

SHE policy is a statement of intent and a commitment by the organisation's CE and senior management in relation to the relevant SHE roles and responsibilities, the achievement of their strategic objectives, values of integrity, customer satisfaction, excellence, and innovation.

The principal contractor and all appointed contractors, if already not in place, will be required to compile an organisational SHE policy in line with their SHE responsibilities. The policy must be signed by the organisation's CE or the appointed assistant to the CE OHS Act Section 16(2). The policy must be displayed in a prominent place within the workplace. A copy of the policy must be filed in the contractor SHE files and attached as an annexure in the SHE Plan.

### 3.7 COID

The principal contractor and all his/her appointed 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 the LoG remain valid throughout the contract period. A copy of the LoG must be filed in the contractor SHE files.

### 3.8 Costing for SHE within the Project

The costing for SHE must be itemised based on the overall scope of the project (i.e.) Training, provision of PPE, safety equipment purchases etc.

### 3.9 Statutory Appointments


For the duration of the contract, the principal contractor and all appointed contractors shall appoint competent employees who will meet the requirements of the OHS Act. Where appointments are made, contractors shall ensure that the appointees have been suitably trained and or informed of their responsibilities before getting them to accept such appointment. The relevant statutory appointments shall be made in accordance with the requirements of the OHS Act which includes the requirement of a competent person being appointed in the relevant roles. The statutory appointments should include but not limited to the following:

- OHS Act Construction Regulation 8(1) - Construction Manager (Full time)|

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- OHS Act Construction Regulation 8(7) – Assistant Construction Supervisor
- OHS Act Construction Regulation 8(5) – Construction Health and Safety Officer
- OHS Act General Administrative Regulation 9(2) – Incident Investigator
- OHS Act Section 19 (3) - Health and Safety Committee Member
- OHS Act Section 19(6)(a) – Co-opted Health and Safety Committee member
- OHS Act Hazardous Chemical Substances Regulation 3(3) Hazardous Chemical Substances Co-coordinator
- OHS Act, Section 17 – Health and Safety Representative.
- OHS Act General Machinery Regulation 2(1) – Supervision of Machinery
- OHS Act Construction Regulation 7(1)(V) Appointment of a Contractor (if appointing subcontractors)
- OHS Act Construction Regulation 9(1) - Person to Compile Risk Assessments
- OHS Act Construction Regulation 10(1) - Competent Person to Compile Fall Protection Plan
- OHS Act: Pressure Equipment Regulations 11 & 12 Portable Gas Container Inspector
- OHS Act: Construction Regulations 11(1) Person to Supervise Excavation Work
- OHS Act: Construction Regulations 16(1) Scaffolding Supervisor
- OHS Act: Construction Regulations 23(1)(d)(i) Construction Vehicle and Mobile Plant Operator
- OHS Act: Construction Regulations 24(c) Electrical Installations and Machinery on construction sites
- OHS Act: Construction Regulations 28(a) Stacking and Storage Supervisor on Construction sites
- OHS Act: Construction Regulations 29(h) Firefighting Equipment Inspector

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- OHS Act General Safety Regulations 3(4) – First Aider/s

### 3.9.1 Non-statutory appointments

- Eskom requirement – Emergency Planning Co-coordinator
- Eskom requirement - Chairperson of Health and Safety Committee

### 3.10 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. Five 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 a Principal Contractor or appointed 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	<b>OPEN, ISOLATE, TEST, EARTH AND CREATE EQUIPOTANTIAL ZONE BEFORE TOUCH</b>  ( That is plant, any plant operating above 1000 V)
Rule 2	<b>HOOK UP AT HEIGHTS</b>  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	<b>BUCKLE UP</b> 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	<b>BE SOBER</b> No person is allowed to be under the influence of intoxicating liquor or drugs while on duty
Rule 5	<b>PERMIT TO WORK</b> Where an authorisation limitation exists, no person shall work without the required permit to work.
Rule 6	<b>Ensure safe live working</b>

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.**

### 3.11 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%.
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

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SOBER”), this means anyone entering the Eskom will be subjected to ad hoc alcohol testing.

- 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.
- Test records must be treated as “Confidential” and filed in the employees’ personal file.

### 3.12 Contractor organisational Structure

#### 3.12.1 Principal Contractor Organogram

The principal contractor must provide an organisational organogram related to this contract, depicting all the levels of responsibility from the CE down to the supervisors responsible for the contract. List the relevant positions held, names of appointees and legal appointments.

The principal contractor must ensure that all appointed contractors comply with this requirement. The principal contractor is responsible for keeping copies of all the organograms’ as well as submitting them with the SHE plan. All organograms shall be updated timeously when appointments are changed.

This diagram must be kept up to date and filed in the project SHE files.


#### 3.12.2 Appointed Contractor/s Organogram

- Appointed contractors are required to compile their company organogram for the project, listing the reporting structure from their CE down to their project supervisors. The diagram must list the names, positions held and any appointments made.
- This diagram must be kept up to date, a copy of which must be given to the principal contractor and a copy filed in the relevant project SHE files.
- This diagram must be kept up to date and filed in the project SHE files.

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### 3.13 Risk assessment (refer to 32-520)

It is a legal requirement in terms of Section 8 (2)(d) of the OHS Act for an employer to carry out risk assessments, to establish which risks and hazards are attached to the health and safety of persons due to any work which is performed, any article or substance which is, handled, stored, transported. A risk assessment is defined as an identification of the hazards present in an organisation and an estimate of the extent of the risks involved, taking into account whatever precautions are already being taken.

It is essentially a three stage process:

- identification of all hazards;
- evaluation of the risks;
- Measures to control the risks.

Risk assessments are required to be maintained. This means that significant changes to a process or activity, or any new process or activity should be subjected to a risk assessment and that if new hazards come to light during the work process, then these should also be subjected to risk assessments. Risk assessments for long term processes should be periodically reviewed and updated. Method statements or written safe work procedures are an effective method as information and record of the way jobs / tasks must be performed. Daily or issue based or task specific or on the job risk assessments must be conducted at the place where work is to be performed/ conducted to allow managers and employees to assess any inherent risks that could have been overlooked during the initial risk assessment or any changes that might have occurred in a period of absence. For example if a job / task is extended over a day or halted due to inclement weather.


Guidelines for actual steps involved in a job/task specific risk assessment are:

- Each activity is listed.
- Specific hazards are identified and listed against each activity.
- The magnitude of each risk is rated as Low. Medium or High.
- All known documentary and supervisory controls are listed. For instance: What safe work procedures exist for ladders.
- The relevance, effectiveness and sufficiency of these controls are assessed;
- In the event of insufficient or deficient controls for the particular activity, steps to be taken to rectify this shall be recorded, and safe working procedures drawn up;

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- Persons responsible for implementing and supervising the task shall be identified, nominated and duly assigned;
- Persons responsible for monitoring the task and carrying out the planned job observation must be nominated;
- Completed risk assessment shall be handed to the Eskom project manager representative for comment and approval.

The relevant section of the risk assessment shall be issued with a Transmittal Note to the Supervisor nominated as the responsible person; and the names of workmen who have received instruction on the work content and the sequence of the activities listed in the risk assessment shall be recorded, and their competence established. This instruction shall be done through an interpreter if required and recorded on the Pre-Job Brief (Daily Safe Task Instructions), with reference to applicable Risk Assessments.

#### **Pre task planning 559-668198576**

Contractors shall ensure full implementation of this standard within their construction sites

Make sure they provide awareness and training to all staff and supervisors, provide them with Risk assessment and register book using templates as per annexure A and B

Make sure that the pre task planning and risk assessment is conducted prior any task to be conducted on site

#### **3.14 Safe work procedures / method statements**

Method statements / written safe work procedure are control measures used to prevent an incident from occurring during the execution of the project. A written safe work procedure/ method statements provide guidance how to execute the task safely. A safe working procedure should be written when:-

- a. Designing a new job or task;
- b. Changing a job or task;
- c. Introducing new equipment or substances; and


The safe working procedure should identify:

- d. The supervisor for the task or job and the employees who will undertake the task;
- e. The tasks that are to be undertaken that pose risks;

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- f. The equipment and substances that are used in these tasks;
- g. The control measures that have been built into these tasks;
- h. Any training or qualification needed to undertake the task;
- i. The personal protective equipment to be worn;
- j. Actions to be undertaken to address safety issues that may arise while undertaking the task.

### 3.15 Roof work (refer to 32- 418)

N/A

### 3.16 Construction Sites


**Note1:** No area is to be stripped of vegetation to create firebreaks, to prevent or make fires. No open fires are allowed on site. The contractor must ensure that operations are in compliance with statutory requirements at all times.

1. The contractor must develop a fire safety procedure for the construction site prior to commencing work. The procedure must take into consideration the size of the site/s, the type of work performed and amount of combustible materials. Cognisance of OHS Act CR 29 must be made.
2. It must be developed in accordance with the hot work permit of the Eskom Plant Safety Regulations, Eskom Fire Risk Management requirements and all other applicable Regulations. All workers entering and working in the construction site need to be trained in fire safety and any duties they are required to perform.
3. A suitable fire warning system for alerting site personnel of fire shall be provided, and capable of being heard in all areas of the site.
4. Appropriate portable extinguishers must be available on the construction site and in cases of hot work, be readily available at the location.
5. Storage of combustible and flammable liquid in the construction site is not permitted unless stored in approved flammable cabinets or outdoors away from the buildings.
6. Site Smoking Restrictions must be enforced. No open flames are permissible and where hot work is performed, the work areas must be cleared of any combustibles prior to commencement of work.

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### 3.17 Fire Equipment and maintenance

1. All firefighting 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.


### 3.18 Flammable and Combustible Liquids

1. Proposals to store fuel on site must have written approval from the Eskom Project Manager. The volumes of fuel allowed to be stored will depend on site conditions and Statutory Regulations.
2. A maximum storage of 40 litres of fuel is allowed to be stored. Anything greater than 40 litres to be stored in a flammable/combustible liquid store.
3. Adequate numbers of dry chemical fire extinguishers, each with a minimum capacity of 4.5 kg, shall be provided, installed and maintained.
4. All fuel storage areas must comply with the following requirements: -
  - a. Storage should be well clear of buildings.
  - b. Storage areas must be kept free from all combustible materials.
  - c. All Safety signs must be prominently displayed i.e.
    - Flammable Liquid.
    - No Smoking.
    - No open flames.
  - d. Adequate firefighting equipment must be available.
5. Diesel tanks are to be installed in a bunded area; bunded area must be able to contain 110% of tank capacity.
6. Bunded area shall be of a concrete or steel construction and lined with a leak proof sealing material.
7. Bunded area shall have a drain valve.
8. No other material/equipment shall be stored in the bunded area.

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### 3.18.1 Refuelling at the construction site

With the exception of construction vehicles and mobile equipment, before a machine is refuelled, the motor must be stopped. Refuelling shall take place at designated safe areas and appropriate warning signs installed. Suitable drip trays must be used to prevent spillage at the filling nozzle.


### 3.19 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, this includes construction sites. Appointees must be trained to level 2. It is good practice for all employees to be trained to at least level 1.
3. 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.
4. A list of emergency numbers must be displayed on the notice boards and made accessible for all employees.
5. Principal Contractor must ensure that his /her employees and appointed contractor employees are familiar with the emergency numbers.
6. 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.
7. 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.
8. 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.
9. The Principal Contractor and appointed contractor shall ensure that alternative arrangements be made for incidents occurring after working hours.

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### 3.19.1 Boxes and equipment

The following is a list of minimum contents of a first aid box:


- Item 1: Wound cleaner/antiseptic (100ml).
- Item 2: Swabs for cleaning wounds.
- Item 3: Cotton wool for padding (100 g).
- Item 4: Sterile gauze (minimum quantity 10).
- Item 5: 1 Pair of forceps (for splinters).
- Item 6: 1 Pair of scissors (minimum size 100 mm).
- Item 7: 1 Set of safety pins.
- Item 8: 4 Triangular bandages.
- Item 9: 4 Roller bandages (75 mm X 5 m).
- Item 10: 4 Roller bandages (100 mm X 5 m).
- Item 11: 1 Roll of elastic adhesive (25 mm X 3 m).
- Item 12: 1 Non-allergenic adhesive strip (25 mm X 3 m).
- Item 13: 1 Packet of adhesive dressing strips (minimum quantity, 10 assorted sizes).
- Item 14: 4 First aid dressings (75 mm X 100 mm).
- Item 15: 4 First aid dressings (150 mm x 200 mm).
- Item 16: 2 Straight splints.
- Item 17: 2 Pairs large and 2 pairs medium disposable latex gloves.
- Item 18: 2 CPR mouth pieces or similar devices.

A content check list must be available with all boxes and boxes shall be checked on a regular basis, kept clean and dust free.

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### 3.20 SHE Communication Systems

Principal Contractor/s and their appointed contractors must develop a communication strategy 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. Below is a brief on how communication should take place. Where project meetings are conducted on site, SHE shall be included as a standing agenda point and minutes of these meetings shall be available on site at all times. Minutes of meeting must be compiled and filed in the relevant SHE files. All employees shall have access to these minutes. Attendance register shall be kept for all the health and safety meetings.

#### 3.20.1 Statutory Health and Safety Committees


1. The principal contractor shall establish statutory health and safety committee in terms of Section 19 of the OHS Act, Act. Similarly, appointed contractors shall establish their own statutory health and safety committee.
2. All appointed contractors shall be members of the principal contractor's safety committee.
3. The Committee shall meet to discuss SHE issues concerning the current work being performed, training, upcoming work and SHE requirements, incidents and lessons learned specific SHE problems, safety performance, action plans and other relevant SHE issues. Listed below is a preferred agenda.
4. SHE representatives for a workplace shall be members of the relevant workplace safety committees (Refer to Section 19 (2) (a) of the OHS Act).
5. The number of persons nominated by employer must not be more than the Health and Safety Representatives on that specific statutory health and safety committee. (Refer to Section 19(2)(c) of the OHS Act)
6. A statutory health and safety committee meeting shall be held at least 3 monthly (where medium to high risk work is involved, more frequent if required), and all appointed members of the committee shall attend the meeting.
7. Statutory health and safety committees may make recommendations to the principal contractor and the project manager and the Inspector at DoL.

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8. All health and safety committees shall discuss all projects related OHS Act Section 24 and 25 incidents and other notified serious incidents.
9. Health and safety committees shall follow up on incident investigation recommendations and shall keep record of all recommendations made by the committee.
10. Statutory health and safety committees may make recommendations for the revision of current standards, procedures and practices.
11. The principal contractor and appointed contractors shall ensure that statutory and non-statutory health and safety committees carry out their duties.
12. The chairperson of the health and safety committees shall be selected and appointed by the contractor. The appointed chairperson must be competent to chair meetings and be able to make informed decisions.

### 3.20.2 Non-statutory health and safety committees

1. Where there are large worksites, then non-statutory sub-committee must be established within that worksite to assist with the communication of health and safety related matters between the statutory health and safety committee and the workplace.
2. The duties and responsibilities of the non- statutory health and safety committees will be the same as the statutory safety committee


### 3.20.3 Agenda

1. The following serves as the guideline for the SHE Committee meeting agenda.
  - List of agenda items:
  - Matters arising from previous minutes
  - Matters arising from Contractor's SHE meetings.
  - Audit results and feedback
  - Review Health and Safety Representative Inspection Reports
  - Review
    - Incident investigation reports

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- Non-Conformances
- Announcements (near miss/injury/damage)
- Follow up on recommendations made by the employer in incident investigation reports
- Accident Prevention – Safety Promotion
  - Planned Job Observations
  - SHE Training
  - Protective clothing and equipment
  - Incident Announcements / Recall
- Forthcoming High hazard activities.
- Non-conformances.
- Housekeeping.
- Work permits.
- Work procedures.
- Hazardous materials / substances.
- Fire Prevention
- Occupational Hygiene Assessments, Health Risks and Actions
- Security
- Construction vehicles and mobile equipment
- Rules, Instructions
- Public Safety
- Environmental Management
- Emergency Preparedness
- Statistics report
- Closure

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### 3.20.4 Minutes and action items for all health and safety committee meetings

1. Minutes and record of action items shall be kept of all health and safety committee meetings.
2. Action column with target dates and responsible person shall be clearly visible on the minutes and shall be completed during the meeting.
3. Statutory health and safety committee meeting minutes and record of action items shall be kept for the duration of the project or a minimum period of three years.
4. Non-statutory health and safety committee meeting minutes shall be kept for the duration of the project or a minimum period of 12 months.
5. All other meeting minutes where SHE is on the agenda, shall be kept for a minimum period of 12 months.
6. The original copy of the minutes and record of the action items must be signed by the chairperson.
7. The relevant project manager and principal contractor shall endorse the relevant minutes with his/her recommendations and return the minutes to the relevant contractors chairperson within 14 calendar days of the meeting.


### 3.20.5 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.
2. Where possible, tool box talks can be included in the pre-job brief meetings. If this does not occur, then weekly tool box talks must be conducted. The toolbox talk topics will be based on SHE issues pertaining to the construction site and or the project. The topic contents shall be in writing. Attendance registers with the topic listed shall be kept.

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### 3.21 SHE Training

1. The principal contractor, when making a bid for this project shall provide a breakdown list of the SHE training requirements and the costing of such requirements. Similarly, appointed contractor must provide the same requirements when bidding with the principal contractor.
2. The scope of training includes but is not limited to the type of work being performed and the relevant procedures. Additional to the requirements, will be that the principal contractor and appointed contractors must have the appropriate qualifications, certificates and employees should always be under competent supervision.
3. Where legislative and Eskom recommended appointments are made, the relevant training shall be given to those appointees prior to the acceptance of those appointments.
4. When there is an amendment to the Acts and/or to the regulations, SHE specification and SHE plan, all affected staff shall undergo the applicable refresher training.
5. Appropriate time must be set aside for training (induction and other) of all employees.
6. Records of all training and qualifications of all contractor employees must be kept on the SHE file.

#### 3.21.1 Induction training


1. The principal contractor shall ensure that all his / her employees, appointed contractors and their employees have undergone the Eskom Safety Contractor Management 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.

#### 3.21.2 Site specific induction training

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The principal contractor shall ensure that all his / her employees and appointed contractor employees undergo site specific work induction with regard to the approved project SHE plan, general hazards prevalent on the construction site, construction risk assessment, rules and regulations, and other related aspects. The induction training should also include identification of sensitive features such as wetlands/vlei areas, red data species, graves, etc.

### 3.21.3 Visitors to site induction

1. Visitors to the site shall be required to undergo and comply with the principal 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.
3. Visitors who have completed site induction must be provided with a record of proof of Induction training.

### 3.21.4 General training

The principal contractor will be required to ensure that before an employee commences work on the project, the respective supervisor informs the employee of his scope of authority, the hazards associated with work as well as the control measures to be taken. This will include man-job specifications, the discussion of any task procedures or hazardous operational procedures to be performed by the employee. The Principal Contractor is to ensure that the supervisor has satisfied himself that the employee understands the hazards associated with any work to be performed by conducting task/job observations.


## 3.22 Contractor Site Establishment

1. Principal contractor's site facilities should be managed at all times.
2. Prior to establishing a project site, a site plan is required to be drawn listing position of all buildings, amenities, storage and stacking areas. The appropriate colour coding and demarcation of storage and stacking areas must be carried out.
3. Where, working in the field and material is stored at the work sites, then proper stacking and storage shall be carried out.

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4. When compiling the site plan, cognisance must be taken to the establishment of the site camp, ablution facilities and dining area in relation to one another and away from stacking and storage areas.

### 3.22.1 Site roads

1. When planning, sufficient areas must be allocated for parking of construction vehicles and mobile equipment's as well as roadways for ease of manoeuvrability of these vehicles.
2. Sufficient width roads to be provided and adequate space is to be allowed for large vehicles traversing the sites.


### 3.22.2 Construction vehicle safety

1. It is the responsibility of the driver to ensure:
  - a. Their passengers wear seat belts whilst the vehicle is in motion.
  - b. Comply with all traffic road rules, safety, direction and speed signs.
  - c. Ensure that vehicle loads are properly secured prior to moving off.
  - d. Ensure that vehicles are not overloaded.
2. No drivers or operators may text, talk on cell phones or two way radios whilst driving, unless a hands free kit is used.
3. All drivers of construction vehicles are to have valid medical fitness certificates.
4. Each Project site that is enclosed by demarcation will have system/ process to manage vehicle access to site.
5. Contractor must maintain their vehicles in a roadworthy condition and a vehicle license must be valid at all times.
6. 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
7. Contractor vehicles can be subject to inspections by the Client/Agent's representative. Vehicles which are not roadworthy will not be permitted to be used on the project.
8. Drivers/operators shall be responsible for the travel-worthiness of all loads conveyed by them. Precautions shall be taken to secure all loads properly. Loads projecting

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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.

### 3.23 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 principal contractor in the first instance and the Eskom project/site manager in the second instance.
8. The Eskom Project/Site Manager has the right to instruct the principal 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 principal contractor.
9. The principal contractor shall carry out regular safety/housekeeping inspections (at least weekly) to ensure maintenance of satisfactory standards. The principal contractor shall document the results of each inspection and shall maintain records for viewing.


#### 3.23.1 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.

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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.

### 3.24 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. Contractors establishing sites must erect a company sign at their site offices to reflect the name and contact details of the: Construction Supervisor; Health and Safety Manager/Practitioner; First Aider; Health and Safety Representative and Evacuation warden.
6. The location of every first aid box; fire extinguisher and emergency exit is to be clearly indicated by means of a sign.
7. When using, an explosive power tool the appropriate signage shall be erected, warning people of its use.
8. 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.
9. The meanings of the appropriate symbolic signage must be discussed during induction training and toolbox talks.
10. Where possible, within workshops, work areas and established premises, the appropriate sign indicating the meaning of symbolic safety signs must be displayed.

### 3.25 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.

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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 reserves the right to inspect tools or items of equipment brought to site by contractors for use on this project.
6. Should Eskom 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.
8. 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.


### 3.25.1 Hand tools

1. 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.
2. Tools with sharp points in tool boxes must be protected with a cover.
3. All files and similar tools must be fitted with handles.
4. No make shift tools are permissible on the project.

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### 3.26 Ladders

1. Ladders used shall conform to the requirements of GSR 13A and used in terms of GSR 6.
2. The appropriate head protection, with chin strap shall be worn by employees working from a ladder or with climbing irons.
3. The ladder wheels, brakes and platform must be in good condition.
4. All metal parts to be in good condition, no cracks.
5. Non-slip devices must be in good condition and no paint to be on wooden ladders
6. 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.
7. Employees using climbing irons shall be suitably trained in the use, care and maintenance of such climbing irons.
8. When using climbing irons, the appropriate rope grab fall prevention system shall be used.
9. The correct fall protection equipment shall be worn and used whilst climbing up, working from and climbing down ladders.
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.

### 3.27 Scaffolding

N/A


### 3.28 Auditing

#### 3.28.1 Approval and compliance of principal contractor SHE plan

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The Contractor's SHE Plan will be audited against compliance checklist so as to verify compliance to the requirements of the Eskom SHE specifications. Once there is compliance only then will the principal contractors SHE plan be approved by the project manager or an appointed Eskom contract custodian. The implementation of the SHE Plan shall be assessed / audited by Eskom personnel on a regular basis. This will include physical conditions evaluation.

### 3.28.2 Eskom SHE audits

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

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

There will be monthly audits conducted by Eskom on the principal contractor/s and/or appointed contractors. These audits shall be attended by the contractor's site manager or his representative.

If there are any findings / non-compliance identified as serious in these audits, an activity will be stopped for that specific Principal Contractor and appointed contractor. Refer to section on "Work Stoppage" in this SHE Specification.

### 3.28.1 Contractor audits

Principal Contractors are required to conduct internal audits on both their employees and their appointed 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 Eskom project manager within one week after completion of the audit. Where appointed contractors are audited by the principal contractor a copy of the audit report shall be submitted to the appointed contractor within 7 days of the audit.


### 3.29 Smoking

The national smoking policy must be observed and smoking is permitted in designated areas only (Eskom Smoking Procedure 32-36).

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### 3.30 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.

### 3.31 Occupational Health, Hygiene and Rehabilitation

All contractors are required to develop an Occupational Health, Hygiene and Rehabilitation program. The program is intended to ensure that the risks to health are identified and controlled.

#### 3.31.1 Medicals

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

1. Principal 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 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.
4. The Principal Contractor must ensure that his / her employees and appointed contractor employees have undergone pre-entry medical examination before starting work on the contract.
5. The principal contractor shall provide a documented process for managing those employees who are issued with a conditional certificate of fitness.


### 3.32 Working at Heights

#### 3.32.1 General Requirements

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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:

1. All appointments for the fall protection plan developer and implementer are in place.
2. 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.
3. Safe working procedure/task analysis and work instructions, approved by a competent person, are in place.
4. A fall rescue plan, along with necessary equipment and trained rescuers, is in place.
5. Appropriate training, as determined by the risk assessment, has been provided.
6. Appropriate height safety equipment and personal protective equipment have been issued to the individual.
7. There are equipment inspection procedures and up-to-date inspection records.
8. Individuals are medically fit to work at height, and records of this are kept.
9. 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.


**Every employer shall ensure that work at height is:**

1. properly planned;
2. appropriately supervised; and

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- carried out in a manner that is, as far as is reasonably practicable, safe and that its planning includes the selection of work equipment.

### 3.33 Risk Assessments

It is a legal requirement in terms of Section 8 (2)(d) of the OHS Act for an employer to carry out risk assessments, to establish which risks and hazards are attached to the health and safety of persons due to any work which is performed, any article or substance which is, handled, stored, transported. A risk assessment is defined as an identification of the hazards present in an organisation and an estimate of the extent of the risks involved, taking into account whatever precautions are already being taken. It is essentially a three stage process:

- identification of all hazards;
- evaluation of the risks;
- Measures to control the risks.

Risk assessments are required to be maintained. This means that significant changes to a process or activity, or any new process or activity should be subjected to a risk assessment and that if new hazards come to light during the work process, then these should also be subjected to risk assessments. Risk assessments for long term processes should be periodically reviewed and updated. Method statements or written safe work procedures are an effective method as information and record of the way jobs / tasks must be performed. Daily or issue based or task specific or on the job risk assessments must be conducted at the place where work is to be performed/ conducted to allow managers and employees to assess any inherent risks that could have been overlooked during the initial risk assessment or any changes that might have occurred in a period of absence. For example if a job / task is extended over a day or halted due to inclement weather.

### 3.34 Safe Work Procedures and Practices / Safe Operating

There must be written safe work procedures for all activities, the safe work procedures must be aligned with the risk assessments.


### 3.35 Personal Protective Equipment Requirements

- The Principal contractor must provide a detailed programme that includes the issuing, maintenance and replacement of PPE for all his employees and appointed contractors on site.

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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.

### 3.36 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.

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.

### 3.37 Emergency Management


The art of emergency preparedness and response is to minimise the effects of any emergency and to restore normal activities as soon as practical. The contractor must familiarise themselves with the Eskom 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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### 3.38 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. Principal 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, appointed 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 Eskom then one of the close-out steps of the procedure will be for the offender to be called by the responsible project manager to explain the non-conformance issued and what plan is in place to prevent a recurrence of the non-conformance.
6. 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 Eskom requirements.

### 3.39 SHE File


1. A SHE file means a file or other record in permanent form, containing the information about the safety and health management system during construction and all information relating to the post-construction phase after handover to the client, so that the client can maintain the works in a healthy and safe way.
2. All contractors are required to keep a SHE file on every project site. If there is more than one site per project, a file per site shall be kept at that site. Contractors may keep additional files at their head office as additional records. The SHE file shall be maintained by all the contractors on their construction sites and shall be available on request for audit and inspection purposes.
3. The SHE file shall consist of the requirements in terms of the project’s safety specification, the contractor’s safety and health plans.

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4. The sequence of filing the documentation must be kept in the same sequence as listed in this SHE specification and the SHE plan.
5. Each record shall be separated by partitions to afford easy identification and access. Each partition must be labelled.
6. On completion of the construction work/project, the principal contractor must hand over a consolidated health and safety file to the project manager. The principal contractor must also hand over all drawings, designs, lists of materials used, and other applicable information about the completed structure, as well as the list of subcontractors, the agreement, and the type of work completed.
7. In case where the project is extended, should the documentation in the SHE files become cumbersome, the older documentation must be archived in boxes which shall be correctly labelled and be available for auditing purposes. The archived documentation must be handed over at the completion of the project.

### 3.40 Work Stoppage

1. 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.
2. 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 Eskom where the contractor has not met the requirements defined legally or contractually.
3. Where stoppages are carried out, the required non-conformance report shall be raised.
4. All work stoppages ideally should be investigated and documented by contract custodians.

### 3.41 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.

#### 3.41.1 Normal work

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All work conducted on site shall fall within the legal requirements in accordance with the Basic Conditions of Employment Act. Contractors will notify their Eskom Supervisor or project manager of any work that needs to be performed after hours according to the agreed arrangements. (The application needs to be submitted timeously). Where applicable, the notification should include proof of application, for overtime, to the Department of Labour and /or the letter of approval from the Department of Labour.

### 3.41.2 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.

### 3.41.3 Overtime

When overtime is required to be performed, the appointed contractors shall inform the principal contractor of such action. The principal contractor shall inform the Eskom 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.

## 3.42 Omissions from Safety and Health Requirements Specification

By drawing up this SHE specification Eskom 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 Eskom not have addressed all SHEQ aspects pertaining to the work that is tendered for, the contractor needs to include it in the SHE plan and inform Eskom of such issues when signing the contract.


### 3.43 Contract Sign-Off

On completion of the project, all appointed contractors shall close out their project documentation; SHE files and forward such to the principal contractor. The principal contractor

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shall likewise close out his/her project documentation and SHE files and forward such to the Eskom project manager.

### 3.44 Asbestos Work

The Northern Cape is known for the prevalence of asbestos, contractors/ Eskom employees need to take precaution when working in such areas. The following towns and surrounding areas are known to be Asbestos affected.

- Kuruman
- Danielskuil
- Lime Acres
- Kathu
- Hotazel
- Prieska
- Marydale

#### Scope of application

2. (1) Subject to sub regulation (2), these Regulations apply to every employer and self-employed person who may expose any person to asbestos dust at the workplace.

(2) Regulations 5(2), 8(1), 9(4), 12(3)(d), 16(4), 17 and 23 do not apply to self-employed persons.

#### Identification of asbestos in place

3. An employer or self-employed person must, as far as is reasonably practicable—


(a) ensure that all asbestos-containing materials at the workplace are identified by a competent person;

(b) if it is uncertain whether the suspected material contains asbestos, either deem the material to be asbestos-containing material or arrange for a sample of that material to be analysed for the presence of asbestos by a laboratory competent to carry out such analyses;

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(c) if part of the workplace is inaccessible and considered by a competent person as likely to contain asbestos, assume that asbestos is present in that area;

(d) if no asbestos is identified as per sub regulations (a), (b) and (c), ensure that the asbestos-free status of the workplace is substantiated in writing by a competent person: Provided that

Sub regulation (d) does not apply to an employer who occupies or uses a structure as defined in the Construction Regulations, 2003, published as Government Notice R.1010 in *Gazette* No. 25207 of 18 July 2003, where construction commenced at least three years after promulgation of the Regulations for the Prohibition of the Use, Manufacturing, Import and Export of Asbestos and Asbestos-containing Materials, 2007, published as 8

Government Notice R.341 in *Gazette* No. 30904 of 28 March 2008, under section 24B of the Environment Conservation Act, 1989 (Act No. 73 of 1989).

#### **Inventory of asbestos in place**

4. (1) An employer or self-employed person must obtain the services of a competent person to ensure that all materials identified as, or assumed to be, asbestos-containing material, as contemplated in regulation 3, are entered into an inventory of asbestos in place, which is kept at the workplace or premises.

(2) With regard to any disagreement as to whether any substance is in fact asbestos, the health and safety representative, health and safety committee or a person nominated by the employees may require that a sample of that substance be taken and definitive identification of the substance be determined by an approved inspection authority, provided that the cost of the identification is borne by the employer.


(3) The inventory of asbestos in place must contain, as far as is reasonably practicable, the following information about each of the asbestos-containing materials-

- (a) The date on which the material was identified;
- (b) a description of the material, quantity and extent of deterioration;
- (c) the location as detailed on a floor plan;
- (d) confirmation of labelling and signage as required by regulation 20;

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(e) the risk categorisation derived from the asbestos risk assessment as detailed in regulation 5(3); and

(f) a description of potential exposure scenarios as required in regulation 6(2)(b).

(4) The employer or self-employed person must ensure that a competent person reviews and, if necessary, revises the inventory of asbestos in place for the workplace at intervals not exceeding 24 months.

(5) The inventory of asbestos in place should be revised more frequently if—

(a) further asbestos-containing material is identified; and

(b) the asbestos-containing material has deteriorated significantly or is removed, damaged, sealed, coated or encapsulated.

(6) Where the removal of asbestos or repair of asbestos-containing material is planned, information in the inventory of asbestos in place must be adequately detailed with respect to the work to be carried out.

(7) The employer, self-employed person or asbestos client must ensure that a copy of the inventory of asbestos in place, or relevant part thereof, is—

(a) given to the mandatory before any asbestos removal or repair work commences;

(b) given to the registered asbestos contractor and approved inspection authority before asbestos removal or repair work commences;

(c) readily accessible to employees and health and safety representatives at the workplace;

(d) in the case of transfer of ownership, provided to the new owner of the premises; and

(e) given to the approved inspection authority before asbestos removal or repair work commences.

(8) The mandatory who carries out the removal of asbestos or the repair of asbestos-containing material at a workplace must—


(a) obtain a copy of the inventory of asbestos in place from the employer, self-employed person or asbestos client; and

(b) if suspected asbestos-containing materials are located on the structure, plant or machinery, inform the employer, self-employed person or asbestos client who must ensure that a

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competent person determines whether the substance in question is asbestos-containing material.

(9) In the event of work carried out at a workplace and potential exposure to airborne asbestos—

(a) the employer, self-employed person or asbestos client, as the case may be, must ensure that the person authorising such work is given a copy of the inventory of asbestos in place;

(b) the person authorising the work as contemplated in sub regulation (a), from the inventory of asbestos in place, must determine what future task and incident-related potential exposure scenarios are applicable to the work, including identifying recommended controls; and

(c) the employer, self-employed person or asbestos client, as the case may be, must ensure that the recommended controls are implemented with regard to the work.

(10) All asbestos-containing material listed in the inventory of asbestos in place, as required by sub regulation (3), must be clearly labelled or provided with signage in accordance with regulation 20.

### **Asbestos risk assessment**

5. (1) If asbestos is identified in terms of regulation 3, then the employer or self-employed person must ensure that an asbestos risk assessment is carried out, as far as is reasonably practicable, immediately by a competent person and thereafter at intervals not exceeding 24 months.

(2) An employer contemplated in sub regulation (1) must, before causing an asbestos risk assessment to be made, consult with the relevant health and safety representative or relevant health and safety committee and inform them in writing of the arrangements made for the asbestos risk assessment, give them reasonable time to comment thereon, and ensure that the results of the asbestos risk assessment are made available to them for comment.


(3) The asbestos risk assessment must, as an outcome, have a risk categorisation based on the potential for exposure to asbestos for each item of asbestos-containing material, which must be derived from the following:

(a) The health impacts of asbestos;

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- (b) the number of persons potentially exposed at the workplace;
- (c) the potential for damage or disturbance of asbestos-containing materials at the workplace, also by maintenance activities, potential incidents and normal occupant activities; and
- (d) the condition of asbestos-containing material, including state of deterioration.

(4) The risk categorisation contemplated in sub regulation (3) must be used to determine the need for keeping in place, repairing or removing the asbestos-containing material.

(5) The asbestos risk assessment for asbestos repair work, as required in sub regulations (1), (2) and (3), must include the following:

- (a) The assessed risk of any asbestos exposure relating to each job step;
- (b) the controls necessary to reduce the risk of exposure to as low as is reasonably practicable;
- (c) an indication whether environmental air monitoring is required; and
- (d) if exposure risk indicates that the OEL may be exceeded, an indication that the employer must obtain the services of an occupational medical practitioner to fulfil the requirements of regulation 17(1)(b).

(6) The asbestos risk assessment for asbestos removal work, as part of the plan of work as contemplated in regulation 15 for asbestos-containing materials identified for removal, must consider the following:

- (a) The aspects detailed in sub regulation (5);
- (b) the risk assessment carried out in accordance with regulation 12(2);
- (c) the potential exposure of persons other than employees;
- (d) the potential contamination of the air, ground and water;
- (e) the thorough decontamination of employees and the workplace;
- (f) the transportation of asbestos-containing materials and asbestos waste; and
- (g) emergency scenarios.


(7) An employer or self-employed person must obtain the services of an approved inspection authority that must review and endorse the following at intervals not exceeding six years-

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(a) The inventory of asbestos in place as required by regulation 4; and

(b) the asbestos risk assessment as required by sub regulation (1):

Provided that the review and endorsement are not required if the work was carried out by an approved inspection authority.

### **Asbestos management plan**

6. (1) If asbestos-containing materials are identified, as required in regulation 3, the employer or self-employed person must ensure that a written asbestos management plan for the workplace is prepared by a competent person.

(2) The asbestos management plan must include at least the following:

(a) A procedure that contains at least measures related to—

(i) the implementation of regulations 3, 4, 5, 8 and 20 at the workplace;

(ii) the repair, removal and management of asbestos-containing materials; and

(iii) the implementation of the Regulations for Prohibition of the Use, Manufacturing, Import and Export of Asbestos and Asbestos-containing Materials, 2007;

(b) where asbestos-containing materials have been identified in the inventory of asbestos in place, a specific procedure which will, as far as is reasonably practicable, reduce the risk of exposure of employees, as well as incidental asbestos exposure, for the following scenarios-

(i) Incidents;

(ii) emergencies;

(iii) removal work; and

(iv) repair work; and

(c) a policy, procedure and implementation plan for phasing out existing asbestos-containing materials at the workplace, which considers the following:

(i) The principle of 'reasonably practicable'; and


(ii) reasons for decisions.

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(3) The employer or self-employed person must review and, if necessary, revise the asbestos management plan at intervals not exceeding eight years or if any information contemplated in sub regulation (2) changes. 13

### Information, instruction and training

7. (1) An employer must—

(a) provide, to persons who may have incidental asbestos exposure, information, instruction and training—

(i) through induction training upon employment; and

(ii) when the inventory of asbestos in place is reviewed;

(b) ensure that the information, instruction and training contemplated in sub regulation (a) include, at least—

(i) the sources of potential exposure as identified in the inventory of asbestos in place contemplated in regulation 4;

(ii) the potential health risks associated with exposure to asbestos;

(iii) procedures, including exposure controls and personal decontamination to be followed when asbestos-containing materials have been damaged, or in the event of accidental spillage or any other similar emergency situation likely to result in the release of asbestos dust;

(iv) the safe disposal of asbestos waste;

(v) procedures for record keeping; and

(vi) the inventory of asbestos in place as contemplated in regulation 4.


(2) Where an employee undertakes non-asbestos-related work, where there is a potential for exposure to asbestos dust, the employer must ensure that the employee is adequately and comprehensively informed, instructed and trained in both practical and theoretical knowledge with regard to—

(a) the sources of potential exposure identified in the inventory of asbestos in place as contemplated in regulation 4;

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- (b) the potential health risks associated with exposure to asbestos;
- (c) task and incident-related potential exposure scenarios, as well as precautionary measures to be taken to prevent exposure; and
- (d) procedures to be followed in the event of accidental disturbance or any other similar emergency situation likely to result in the release of asbestos dust.
- (3) In the case of removal of asbestos or repair of asbestos-containing materials, as contemplated in regulation 12, the employer must ensure that all supervisors and employees are adequately and comprehensively informed, instructed and trained in both practical and theoretical knowledge with regard to—
- (a) the OEL and its meaning;
- (b) the importance of good housekeeping at the workplace, fall protection, the correct use of personal protective equipment and personal hygiene;
- (c) the contents of plans of work regarding the handling, removal and temporary storage of any asbestos-containing material;
- (d) the correct use of control measures to limit the spread of asbestos dust outside the regulated asbestos area;
- (e) the control measures to limit the exposure of employees inside the regulated asbestos area;
- (f) procedures to be followed in the event of accidental spillage, disturbance or any other similar emergency situation likely to result in the release of asbestos dust;
- (g) procedures for reporting and correcting failures of control measures likely to result in the release of asbestos dust; and
- (h) the safe disposal of asbestos waste.
- (4) Training contemplated in sub regulation (3) must—
- (a) be provided by a person deemed competent by the chief inspector;
- (b) have a minimum contact duration of eight hours; and
- (c) as an outcome, provide employees with asbestos training certificates.

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(5) Refresher training with a minimum contact duration of two hours must be provided at least annually or at more frequent intervals if—

- (a) work methods change;
- (b) the type of work carried out changes significantly;
- (c) the type of equipment used to control exposure changes; or
- (d) deemed a requirement by the occupational health and safety committee.

(6) An employer must ensure that up-to-date records of employee training are made available at the workplace that has asbestos in place.

(7) An employer must ensure that current employee asbestos training certificates, as contemplated in sub regulation (4)(c), are provided to employees upon termination of employment.

#### **Duties of persons who may be exposed**

8. (1) Employees who may be exposed to asbestos in place must—

- (a) obey any lawful instruction pertaining to occupational health and safety given by or on behalf of the employer;
- (b) attend asbestos awareness training in the inventory of asbestos in place for the building; and
- (c) report any asbestos-containing material that has been damaged to the employer or health and safety representative of the workplace, as the case may be, who must report it to the employer.


(2) Persons involved in non-asbestos-related maintenance, who may be exposed to asbestos, must—

- (a) obtain a copy of the relevant part of the inventory of asbestos in place for the applicable workplace where non-asbestos-related maintenance will be carried out;
- (b) prevent damage to or disturbance of asbestos in place; and

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(c) if damage or disturbance occurs, stop work immediately and report such damage or disturbance to the employer or to the health and safety representative of the workplace, who must report it to the employer.

(3) Persons involved in type 1 asbestos work must obey any lawful instruction pertaining to occupational health and safety given by or on behalf of the employer, as applicable, regarding—

(a) the acquisition of a copy of the relevant part of the inventory of asbestos in place for the workplace;

(b) the demarcation of the regulated asbestos area, as required in regulation 18, to prevent unauthorised entry, using signage as per Annexure 1;

(c) as far as is reasonably practicable, the use of non-destructive wet methods during removal procedures;

(d) the use of appropriate tools and equipment to limit, as far as is reasonably practicable, the release of asbestos dust;

(e) the appropriate type and use of personal protective equipment and clothing;

(f) the thorough decontamination of equipment;

(g) the containment, and labelling in terms of regulation 20, and disposal of asbestos waste in terms of regulation 21; and

(h) the disposal of used disposable overalls and respiratory protective equipment, where applicable, as asbestos waste.

(4) Any person involved in type 2 or type 3 asbestos work, who may be exposed to asbestos at the workplace, must obey any lawful instruction pertaining to occupational health and safety, given by or on behalf of the employer or a self-employed person, regarding—

(a) compliance with requirements of the asbestos plan of work that was approved for that site-specific asbestos work in terms of regulation 15;


(b) as far as is reasonably practicable, the use of non-destructive wet methods during asbestos removal work;

(c) the prevention of asbestos dust becoming airborne;

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- (d) the appropriate type and use of personal protective equipment and clothing;
- (e) wearing of monitoring equipment to measure personal exposure to asbestos;
- (f) reporting for medical surveillance as required by regulation 17;
- (g) the cleaning up and disposal of any asbestos waste;
- (h) decontamination of the structure of a workplace, building or plant, of any visible dust residue where asbestos removal work has been undertaken;
- (i) housekeeping at the workplace, personal hygiene and good environmental and health practices, including eating, drinking and smoking in designated places, as provided;
- (j) information and training received as contemplated in regulation 7; and
- (k) the correct decontamination procedures that must be followed as given in the approved plan of work.

### Control of exposure to asbestos


9. (1) An employer or self-employed person must ensure that the exposure of a person to asbestos is either prevented or, where this is not reasonably practicable, adequately controlled: Provided that the control of exposure is regarded as adequate if the measured airborne concentration of regulated fibres is—

- (a) at or below the OEL for asbestos; or
  - (b) above the OEL for asbestos, but the reason has been identified and action is taken, as soon as is reasonably practicable, to lower airborne concentrations to a level as low as reasonably practicable below the OEL for asbestos.
- (2) Where reasonably practicable, an employer or self-employed person must control exposure to asbestos—
- (a) by limiting the number of persons who will be exposed or may be exposed;
  - (b) by limiting the period during which persons will be exposed or may be exposed;
  - (c) by limiting the amount of asbestos dust that may contaminate the working environment;

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(d) by introducing engineering control measures for the control of exposure to asbestos, which include the following:

- (i) Process separation or enclosure;
- (ii) bonding of asbestos fibres with other materials to prevent the release of asbestos dust;
- (iii) the use of wet methods, where appropriate; and
- (iv) the provision of a negative pressure unit with a filtration efficiency of at least 99 per cent for particles one micrometre in size, in the case of type 3 asbestos work, with a fault indicator to provide early warning of a failure of the negative pressure unit; and

(e) by complying with the requirements of regulation 19.

(3) With regard to the contamination of water with asbestos, an employer or self-employed person must ensure that—

(a) any water that is contaminated with asbestos as a result of work being performed is passed through a filtration system before being released into any environment or water system;

(b) a suitable water filtration system is used, which will ensure that the quantity of asbestos being released or entering into any environment or water system is reduced as far as is reasonably practicable; and

(c) contaminated parts of the filtration system, when discarded, are disposed of as asbestos waste.

(4) By introducing appropriate written work procedures that an employee must follow, an employer or self-employed person must ensure that—

(a) asbestos-containing materials are safely handled and disposed of in the appropriate manner; and


(b) installations, equipment, tools and negative pressure units are safely used, decontaminated and maintained.

(5) An employer or self-employed person must report to the Chief Director: Provincial Operations, by telephone, electronic mail or similar means of communication, any spill, disturbance or uncontrolled release of asbestos, which may be considered a health hazard.

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### Notification of asbestos work

10. (1) No employer, self-employed person or asbestos client may carry out any type 1 asbestos work unless the Chief Director: Provincial Operations has been notified in writing of the location, venue and contact details of where the asbestos work will be done, at least seven days prior to commencement of such work.

(2) No employer, self-employed person or asbestos client may carry out any type 2 or type 3 asbestos work unless the Chief Director: Provincial Operations 19

has been notified, in writing, at least seven days prior to commencement of such work.

(3) A shorter time period for notification contemplated in sub regulations (1) and (2) may be allowed by the Chief Director: Provincial Operations in the event of an emergency.

(4) Written notification contemplated in sub regulation (2) must be provided in the format indicated in Annexure 2.

(5) The relevant Chief Director: Provincial Operations must ensure that acknowledgement of receipt is provided, in writing, to the employer, self-employed person or asbestos client within the seven day notification period.

### Duties of asbestos client for asbestos work

11. (1) An asbestos client, employer or self-employed person carrying out type 1 asbestos work must—

(a) provide an up-to-date inventory of asbestos in place, as contemplated in regulation 4, when asbestos work is planned;

(b) ensure that an asbestos risk assessment, as contemplated in regulation 5, is carried out prior to asbestos work;


(c) ensure that a written safe work procedure is developed and followed; and

(d) as far as is reasonably practicable, provide adequate information, instruction and training, as contemplated in regulation 7, to any person who may be exposed to asbestos as a result of that asbestos work.

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(2) An asbestos client, employer or self-employed person planning type 2 or type 3 asbestos work must—

(a) provide an up-to-date inventory of asbestos in place, as contemplated in regulation 4, to the registered asbestos contractor and approved inspection authority;

(b) if asbestos-containing material intended for removal or repair is not identified in the inventory of asbestos in place, review and update the inventory;

(c) ensure that an asbestos risk assessment is carried out prior to asbestos work;

(d) appoint, in writing, an approved inspection authority;

(e) ensure that the appropriately registered asbestos contractor performs type 2 or type 3 asbestos work as per the asbestos plan of work;

(f) ensure that notification of asbestos work is given as contemplated in regulation 10(2);

(g) ensure that they have co-signed the asbestos plan of work for the asbestos repair or removal work to be carried out;

(h) stop any registered asbestos contractor from executing any asbestos work which poses a health or safety risk to persons until such time that the risk has been appropriately mitigated;

(i) before any asbestos work commences on site, ensure that the registered asbestos contractor is registered and in good standing with the Compensation Fund or with a licensed compensation insurer as contemplated in the Compensation for Occupational Injuries and Diseases Act, 1993 (Act No. 130 of 1993); and

(j) where a fatality or permanent disabling injury occurs during asbestos work, report such fatality or injury to the Chief Director: Provincial Operations as contemplated in section 24 of the Act and in accordance with regulations 8 and 9 of the General Administrative Regulations, 2003.


(3) After completion of type 2 or type 3 asbestos work, the asbestos client must obtain an asbestos clearance certificate from the approved inspection authority

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### **Duties of registered asbestos contractor for asbestos work**

12. (1) In the case of type 2 and type 3 asbestos work, the registered asbestos contractor must—

(a) undertake only the type of asbestos work for which they are registered by the chief inspector;

(b) appoint an occupational health and safety representative as contemplated in section 17 of the Act; and

(c) obtain a copy of an up-to-date inventory of asbestos in place from the asbestos client, prior to asbestos work taking place.

(2) Before commencement of any asbestos work and during such work, the registered asbestos contractor must ensure that—

(a) a risk assessment is performed that includes—

(i) identification of the hazards to which persons may be exposed;

(ii) an assessment of the risks related to the hazards based on a documented method; and

(iii) documented control measures to mitigate the risk;

(b) the risk assessment contemplated in sub regulation (a) is reviewed—

(i) at regular documented intervals;

(ii) when an incident has occurred; and

(iii) when the scope of work changes; and


(c) an up-to-date copy of the risk assessment is made available at the relevant asbestos work site.

(3) The registered asbestos contractor must—

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(a) ensure that the approved plan of work is submitted to the Chief Director: Provincial Operations at least seven days prior to commencement of asbestos work;

(b) appoint in writing an asbestos removal supervisor for each asbestos work site, who must ensure—

(i) occupational health and safety compliance on the asbestos removal site;

(ii) compliance with safe asbestos removal or repair procedures;

(iii) the correct use of personal protective equipment; and

(iv) proper decontamination and waste disposal;

(c) adhere to the repair or removal methodology and associated control measures provided in the plan of work approved for that specific asbestos work;

(d) ensure that the employee medical and training records are available on site for inspection and validation;

(e) ensure that at least the following information for every employee is recorded and kept for a minimum period of 50 years-

(i) Physical address of every asbestos work project; and

(ii) names and identification numbers of employees potentially exposed;

(f) before commencement of asbestos work, ensure that—

(i) an approved inspection authority has been appointed in writing by the asbestos client; and


(ii) the registered asbestos contractor is registered and in good standing with the Compensation Fund or with a licensed compensation insurer as contemplated in the Compensation for Occupational Injuries and Diseases Act, 1993; and

(g) where a fatality or permanent disabling injury occurs during asbestos work, ensure that a report about the fatality or injury is provided to the Chief Director: Provincial Operations as contemplated in section 24 of the Act, and in accordance with regulations 8 and 9 of the

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General Administrative Regulations, 2003, and that the report includes the measures that the contractor intends to implement to ensure safe asbestos work.

### **Duties of approved inspection authorities for asbestos work**


13. An approved inspection authority involved in type 2 or type 3 asbestos work must—

- (a) ensure that the appropriately registered asbestos contractor performs only type 2 or type 3 asbestos work, as the case may be;
- (b) obtain a copy of an up-to-date inventory of asbestos in place from the asbestos client prior to asbestos work taking place;
- (c) in consultation with the registered asbestos contractor, compile a plan of work in accordance with regulation 15;
- (d) approve and submit the plan of work at least seven days prior to commencement of asbestos work to the Chief Director: Provincial Operations for acknowledgement;
- (e) receive acknowledgement from the Chief Director: Provincial Operations within the seven-day period;
- (f) confirm the employee medical certificate of fitness and asbestos training records for that asbestos work;
- (g) provide guidance and site-specific instructions to the registered asbestos contractor on the approved plan of work;
- (h) inspect adherence to the approved plan of work and requirements of these Regulations;
- (i) stop any registered asbestos contractor from executing any asbestos work which poses a health or safety risk to persons until such time that the risk has been appropriately mitigated;
- (j) perform planned asbestos air monitoring in accordance with regulation 16 and provide, as soon as is reasonably practicable, air monitoring results to the registered asbestos contractor and asbestos client;
- (k) issue a written report, which includes findings and, where necessary, recommendations; and

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(l) ensure that, upon completion of type 2 or type 3 asbestos work, clearance is performed as required in regulation 22.

## Disputes

14. (1) The following provisions apply if uncertainty exists with regard to, or if a dispute arises concerning, the classification of type 1, 2 or 3 asbestos work under this regulation-

(a) The employer responsible for the work area where asbestos work is to be carried out must obtain the services of an approved inspection authority that must make a decision concerning the type of asbestos work; or

(b) the employer or self-employed person responsible for the work area where asbestos work is to be carried out must refer the dispute to the chief inspector, who must make a decision concerning the type of asbestos work;

(c) the employer or self-employed person responsible for the work area, who notifies the approved inspection authority or chief

inspector, must promptly inform other parties that such authority or inspector has been notified;

(d) the approved inspection authority or chief inspector must investigate the matter and give the parties a decision in writing within 30 days; and

(e) the asbestos work under dispute must cease until a decision under sub regulation (2) is obtained.

(2) Should a dispute arise over the interpretation relating to matters in sub regulation (1)(a), the affected person may appeal against the interpretation to the chief inspector.

## Plan of work


15. (1) A written approved plan of work, as contemplated in regulation 12(3), must include at least the following:

(a) Name, contact details and responsibilities of the registered asbestos contractor, approved inspection authority, asbestos waste transporter, asbestos waste disposal site and asbestos client, where applicable;

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- (b) name and contact details of the asbestos removal supervisor for the asbestos work site;
  - (c) details of the asbestos to be removed, including the location, type, estimated quantity and condition of the asbestos;
  - (d) a list of employees' names and identification numbers with verification of valid asbestos training and medical surveillance records for the asbestos work site;
  - (e) expected commencement and completion dates;
  - (f) air monitoring method used, and frequency of air monitoring, in accordance with regulation 16;
  - (g) details of how the asbestos removal work will take place, including methods of removal, tools and equipment, and the appropriate personal protective equipment to be used;
  - (h) details relating to the requirements of decontamination facilities and decontamination procedures;
  - (i) details of demarcation, labelling and signage requirements for regulated asbestos areas, asbestos waste and temporary on-site storage areas;
  - (j) procedure for decontamination of the work area, tools and equipment;
  - (k) emergency procedures in the event of uncontrolled asbestos release;
  - (l) method for disposal of asbestos waste;
  - (m) detail of asbestos clearance certification; and
  - (n) specific relevant prohibitions.
- (2) The approved plan of work, as contemplated in regulation 12(3), must contain the signatures of—
- (a) the asbestos client accepting the duties as contemplated in regulation 11(2) and (3);
  - (b) the registered asbestos contractor accepting the duties as contemplated in regulation 12; and
  - (c) the approved inspection authority for asbestos accepting the duties as contemplated in regulation 13.

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### Air monitoring

16. (1) In the case of type 2 and type 3 asbestos work, an asbestos client must ensure that air monitoring of the concentration of airborne regulated fibres to which an employee may be exposed, is—

- (a) performed by an approved inspection authority;
  - (b) carried out in terms of HSG 248;
  - (c) representative of employee exposure; and
  - (d) carried out at a frequency determined by the approved inspection authority based on the site-specific asbestos risk assessment.
- (2) The results of air monitoring obtained must be compared with the OEL or the OEL short-term exposure limit to ensure that no employee is exposed to asbestos in excess of the prescribed OELs.
- (3) Environmental air monitoring must be performed by an approved inspection authority during type 2 and type 3 asbestos work.
- (4) Air monitoring referred to in sub regulations (1) and (3) must be carried out only after the relevant health and safety representative or relevant health and safety committee has been consulted and given a reasonable opportunity, as mutually agreed, to comment thereon.

### Medical surveillance


17. (1) An employer must establish and maintain a system of medical surveillance of employees if—

- (a) the employer is registered as an asbestos contractor;
- (b) in the opinion of an occupational medicine practitioner, after consideration of the results of the asbestos risk assessment carried out in terms of regulation 5(5)(d), it is reasonably likely that an asbestos-related disease may occur under the particular conditions of an employee's work; or
- (c) an occupational medicine practitioner recommends that the relevant employee should be under medical surveillance.

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(2) In order to comply with sub regulation (1), an employer must appoint an occupational medicine practitioner to document the system of medical surveillance of employees, including—

(a) consideration of—

(i) the risk of developing occupational asbestos-related diseases; and

(ii) medical fitness to work requirements, including fitness to wearing a respirator;

(b) an initial health evaluation before commencement of asbestos work, which comprises—

(i) an evaluation of the employee's medical, occupational, exposure and social history;

(ii) an appropriate physical examination;

(iii) a chest radiograph; and

(iv) any other additional medical examination, such as pulmonary function testing, which, in the opinion of the occupational medicine practitioner, is necessary to enable

such practitioner to perform an appropriate health evaluation;

(c) periodic health evaluations conducted, considering medical tests contemplated in sub regulation (2)(b), at intervals determined by sub regulations (2)(a) and 4(b);

(d) the duties of an occupational health practitioner, conducted under the direction of the appointed occupational medicine practitioner; and

(e) making the documented system of medical surveillance available to the health and safety representative or health and safety committee, who is entitled to further clarification, if they so request.


(3) The appointed occupational medicine practitioner must notify the employer in writing of the outcomes of the health evaluation by issuing the certificate of medical surveillance, subject to the following:

(a) The information provided to the employer is limited to the presence of an occupational disease and the fitness of the employee to perform the inherent requirements of the job, and may not include confidential medical information;

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(b) the employee is informed of the outcome of the health evaluation; and

(c) an employee is assessed to be temporarily medically unfit to perform work if there is a reasonable expectation that the employee's health will improve, and that such employee will be able to return to work.

(4) An employer may not permit an employee who was certified by an occupational medicine practitioner as medically unfit to work in a regulated asbestos area: Provided that the employee may return to perform that work after being certified fit by an occupational medical practitioner, and after—

(a) being informed of the results of the exposure assessments; and

(b) being prescribed medical tests in the frequency they should be repeated based on the risks. 28

(5) The certificate of medical surveillance, as contemplated in sub regulation (3)—

(a) must be provided by the employer to the employee upon termination of employment; and

(b) may be used for subsequent asbestos work for the full duration of its validity period.

(6) The employer must record, investigate and report the occupational disease contemplated in sub regulation (3)(a) in compliance with section 25 of the Act and regulation 8 of the General Administrative Regulations, 2003.

(7) An employer must ensure that the employee provides written informed consent for inclusion in the medical surveillance programme, which forms part of the medical surveillance record.

### **Regulated asbestos area**

18. An employer or self-employed person undertaking type 1, type 2 or type 3 asbestos work must—


(a) clearly demarcate and identify the relevant area as a regulated asbestos area in accordance with regulation 20; and

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(b) ensure that no person enters or remains in a regulated asbestos area unless he or she wears the appropriate type and correctly fitting respiratory protective equipment and protective clothing as contemplated in regulation 19.

### Personal protective equipment and facilities

19. (1) An employer or self-employed person must—

(a) provide respiratory protective equipment and protective clothing suitable for protection against regulated asbestos fibres to all persons who may be exposed to asbestos;

(b) ensure that the respiratory protective equipment provides the appropriate level of protection for the type of asbestos work to be undertaken; and

(c) ensure that a person's exposure is adequately controlled as contemplated in regulation 9.

(2) Where respiratory protective equipment is provided, the employer or self-employed person must ensure that—

(a) the relevant equipment is capable of keeping the exposure level below the OEL for asbestos;

(b) the relevant equipment is correctly and properly used, stored and maintained;

(c) information, instruction, training and supervision that are necessary with regard to the use of the equipment are provided to the persons; and

(d) the equipment is kept in good condition and efficient working order.

(3) An employer or self-employed person must, as far as is reasonably practicable—


(a) issue no personal protective equipment to a person unless such equipment is cleaned, decontaminated and, where appropriate, sterilised;

(b) provide separate containers or storage facilities for personal protective equipment not in use; and

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(c) ensure that all personal protective equipment not in use is stored only in the place provided.

(4) An employer or self-employed person must, as far as is reasonably practicable, ensure that all personal protective equipment contaminated with asbestos dust is thoroughly cleaned and handled in accordance with the following procedures-

(a) Where personal protective equipment is cleaned on the premises of the asbestos client, care must be taken to prevent contamination during handling, transport and cleaning; and

(b) water that is used for decontamination or cleaning of equipment must be filtered in accordance with regulation 9(3) before being released into any water system.

(5) Subject to sub regulation (3)(a), an employer or self-employed person must ensure that no person removes dirty or contaminated personal protective equipment from the workplace: Provided that where personal protective equipment contaminated with asbestos dust has to be disposed of, it must be treated as asbestos waste as contemplated in regulation 21.

(6) Subject to the Facilities Regulations, 2004, published as Government Notice R.924 in *Gazette* No. 26636 of 3 August 2004, the employer must—

(a) provide employees involved in type 1 and type 2 asbestos work with adequate washing facilities, which are readily accessible and located in an area where the facilities will not become contaminated, to enable employees to meet a standard of personal hygiene consistent with the adequate control of exposure, and to avoid the spread of asbestos dust;

(b) provide employees involved in type 3 asbestos work with a decontamination facility, in accordance with HSG 248, Chapter 9, which facility is readily accessible and located in an area where it will not become contaminated, to enable employees to meet a standard of personal hygiene consistent with the adequate control of exposure, and to avoid the spread of asbestos dust.

### Labelling and signage


20. (1) All asbestos in place listed in the inventory of asbestos in place, as required by regulation 4, must be clearly and legibly identified using the pictogram specified in Annexure 1.

(2) All asbestos waste must be clearly labelled—

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- (a) using the label specified in Annexure 1;
  - (b) as far as is reasonably practicable, using clearly visible and a sufficient number of labels that would adequately serve as a warning of potential exposure; and
  - (c) ensuring that a container or vehicle in which asbestos is transported is clearly identified in accordance with the UN Transport of Dangerous Goods or UN Orange Book.
- (2) Any asbestos-contaminated soil or land contaminated with asbestos waste must be clearly demarcated and signposted using the asbestos warning signage specified in Annexure 1.
- (3) Any regulated asbestos area must be clearly demarcated using the pictograms and signs specified in Annexure 1.

### Disposal of asbestos


21. An employer or self-employed person must, as far as is reasonably practicable, ensure that—

- (a) all asbestos waste is placed in containers that will prevent exposure during handling;
- (b) the premises, structure or area are thoroughly checked to ensure that all asbestos waste intended for disposal has been removed;
- (c) all vehicles, reusable containers or any other similar articles, which have been in contact with asbestos waste, are cleaned and decontaminated after use in such a way that such vehicles, containers or similar articles do not cause a hazard inside or outside the workplace concerned;
- (d) a document is obtained from the asbestos disposal site, contemplated in sub regulation (e), for all asbestos waste removed from the workplace; all asbestos waste is disposed of only on sites specifically designated for this purpose in terms of the Environment Conservation Act, 1989, and the National Environmental Management: Waste Act, 2008;
- (e) all persons involved in the collection, transport and disposal of asbestos waste, who may be exposed to that waste, are provided with suitable personal protective equipment;
- (f) the drivers of vehicles carrying asbestos waste are provided with written instructions on safety precautions and emergency procedures; and

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(g) where the services of a contractor for the transport and disposal of asbestos waste are used, the contractor complies with the provisions of these Regulations.

### **Asbestos clearance certificate**

22. Following the completion of type 2 or type 3 asbestos work, an approved inspection authority must—

- (a) conduct a thorough visual inspection of the relevant work area;
- (b) conduct air sampling to ensure compliance with the clearance indicator;
- (c) ensure that all asbestos waste has been removed in accordance with the requirements of regulation 21; and
- (d) issue a written declaration for the purpose of clearance certification.

### **Records**


23. An employer must—

- (a) keep records of all inventories of asbestos in place, asbestos risk assessments, air monitoring results, medical surveillance reports, disposal certificates and clearance certificates as required by regulations 4, 5, 16, 17, 21(d) and 22(d), respectively: Provided that personal medical records may be made available to only an occupational health practitioner;
- (b) subject to sub regulation (c), make the records contemplated in sub regulation (a), excluding personal medical records, available for inspection by an inspector;
- (c) allow any person, subject to formal written consent by an employee, to peruse the records with respect to that particular employee;
- (d) make the records of all assessments, surveys and air monitoring results, and the asbestos inventory, available for perusal by the relevant health and safety representative or relevant health and safety committee;
- (e) keep all records contemplated in sub regulation (a) for a minimum period of 50 years;
- (f) hand over or forward by registered post all records contemplated in sub regulation (a) to the relevant Chief Director: Provincial Operations, if the employer ceases activities relating to asbestos work;

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(g) keep a record of training given to an employee in terms of regulation 7 for as long as the employee remains employed at the workplace where the employee is potentially exposed to asbestos.

### Prohibition


24. No person may—

- (a) sell, donate, reuse, reinstall or recycle any asbestos or asbestos-containing materials;
- (b) clean or prepare surfaces of asbestos cement materials;
- (c) temporarily store any asbestos or asbestos-containing materials for longer than three months after completion of asbestos removal work, before final disposal;
- (d) temporarily store asbestos-containing materials destined for disposal, which are uncovered or unprotected or stored in a manner that may contaminate ground or water systems or may cause the release of asbestos dust;
- (e) use compressed air or permit the use of compressed air to remove asbestos dust from any surface or person;
- (f) use electrical power tools, such as angle grinders, or any other fast-moving equipment to cut, grind or drill asbestos-containing material;
- (g) smoke, eat, drink or keep food or beverages in a regulated asbestos area or require or permit any other person to smoke, eat, drink or keep food or beverages in such area;
- (h) vacuum asbestos dust using vacuum cleaning equipment other than vacuum cleaning equipment with a filtration efficiency of at least 99 per cent for particles one micrometre in size; or
- (i) carry out any demolition work before all asbestos and asbestos-containing building material has been identified in the inventory of asbestos in place, safely removed or otherwise controlled, as far as is reasonably practicable, so as to eliminate the uncontrolled release of asbestos and asbestos dust.

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### Offences and penalties

25. Any person who contravenes or fails to comply with any provision of regulation 3 up to and including regulation 24 is guilty of an offence and upon conviction liable to a fine or to imprisonment for a period not exceeding 12 months and, in the case of a continuous offence, to an additional fine of R500,00 for each day on which the offence continues or to additional imprisonment of one day for each day on which the offence continues: Provided that the period of such additional imprisonment must in no case exceed 90 days.

### Repeal of regulations

26. (1) The Asbestos Regulations, 2001, published as Government Notice R.155 in *Gazette* No. 23108 of 10 February 2002, are hereby repealed.

### 3.45 Dismantling, Assembly and Erecting of Structures

Construction Regulations 10, 11 and 14 needs to be strictly adhered to.

A competent person needs to be appointed to supervise demolition work in terms of Construction Regulation 14(1).

Contractors need to take all reasonable steps to prevent the uncontrolled collapse of any new or existing structure or any part of the said structure that may become unstable or which might be in a temporary state of weakness or might be unstable due to carrying out construction work.

No structure or part of any structure may be loaded in such a manner that it would be deemed as unsafe.


A contractor needs to appoint a competent person in writing to supervise and control all demolition work on site.

Before any demolition work is being carried out a competent person need to develop a detailed structural engineering survey of the structure to be demolished in order to identify the order in which the structure needs to be demolished. The competent person who develops the structural engineering survey also needs to provide a method statement on the procedure to be followed in demolishing the structure.

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The appointed competent person on supervising demolition work must check the structural integrity of the structure being dismantled at regular intervals determined by the method statement in order to prevent any premature collapse.

Contractors involved with demolition work need to take steps to ensure that no person works under overhanging material or a structure which has not been adequately supported, shored or braced. Steps should be taken by contractors to ensure all other services in the vicinity that may be affected are rendered safe for all persons involved.

Where demolition work includes working at heights and there is a risk of falling objects the following needs to be in place: (32-418)

1. A drop zone must be established and demarcated.
2. Suitable steps must be taken to prevent any material or objects from falling that could cause harm to people or property.
3. Where it is not reasonably practicable to comply with the requirements of paragraph 2 every employer must take suitable and sufficient steps to prevent any person from being struck by any falling material or object that is liable to cause personal injury.
4. No material or object shall be thrown or tipped from height in circumstances where it is likely to cause injury to any person.
5. Materials and objects must be stored in such a way as to prevent risk to any person arising from the collapse, overturning or unintended movement of such materials or objects.

Where demolition work includes working at a fall risk position a site specific fall protection plan needs to be developed and implemented by a competent person as per Construction Regulation 10.

The fall protection plan should make provision for the following information:


1. a risk assessment of all work carried out from a fall risk position and the procedures and methods used to address all the risks identified per location;
2. the processes for the evaluation of the employees' medical fitness necessary to work at a fall risk position and the records thereof;
3. a programme for the training of employees working from a fall risk position and the records thereof;
4. the procedure addressing the inspection, testing and maintenance of all fall protection equipment;
5. a rescue plan detailing the necessary procedure, personnel and suitable equipment required to affect a rescue of a person in the event of a fall incident to ensure that the rescue procedure is implemented immediately following the incident.

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Contractors to ensure that the Fall Protection Plan is site specific as well as scope of work specific and that all required legislation as well as the Eskom requirements are adequately met.

### 3.46 Covid-19

#### **Code of practice: Managing Exposure to SARS-COV-2 in the workplace, 2022:GNR2191**

#### **Chapter 2 of GNR 2191:**

##### **1. Risk assessment and plan**

- a. Undertake a risk assessment to give effect to its obligations under the OHSA and the HBA Regulations;
  - b. On the basis of the risk assessment develop or amend its existing plan to include – i. Any measures to be implemented in respect of the vaccination of its employees and, taking into account the intervals between vaccinations, the dates by which the employees must be fully vaccinated; and
  - ii. Any other protective measures contemplated section 6(1) and (2);
- c. Consult on the risk assessment and plan with – i. Any representative trade union as contemplated by section 14(1) of the LRA; and
- ii. Any health and safety committee established in terms of section 19 of the OHSA or, in the absence of such committee, a health and safety representative designated in terms of section 17(1) of the OHSA or employee representative; and
- d. Make the risk assessment and plan available for inspection by the trade union and committee contemplated in paragraph (c) and an inspector.

##### **2. Contents of risk assessment and plan**


1. The risk assessment and plan referred to in section 5(1) (b) must include –
  - a. The identification of the employees contemplated in paragraph (i) of that section;
  - b. The reporting of symptoms by employees and isolation of employees who are diagnosed with COVID-19 and are symptomatic;
  - c. The workplace protective measures required to be taken in terms of HBA Regulations including personal protective equipment and ventilation;

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d. A procedure to resolve any issue that may arise from the HRA by an employee of the right to refuse to work in the circumstances contemplated in section 15(1); and  
e. The process by which the obligations under this Code will be complied with. 2. The risk assessment and plan referred to in section 5(1) (b) may include –

- a. Social distancing measures including minimising the number of workers in the workplace through rotation, staggered working hours, shift and remote working arrangements’;
- b. PPE measures contemplated in section 11;
- c. Personal hygiene measures such as the wearing of facecloth masks, barriers hand washing, sanitisers and surface disinfectants;
- d. Any special measures to mitigate the risk of infection or serious illness or death in respect of individual employees at increased risk such as reducing the numbers in and the duration of occupancy in meeting rooms.
- e. In developing and implementing a plan in terms of subsection (1) (b) (i), an employer must comply with section 12.

### 3.47 Excavations

As per the scope of this project excavation will take place and as a result strict adherence to Eskom and legislative requirements need to be adhered to pertaining excavations.

As per Construction Regulation 13 – Excavations:

(1) A contractor must-

- (a) ensure that all excavation work is carried out under the supervision of a competent person who has been appointed in writing for that purpose; and
- (b) evaluate, as far as is reasonably practicable, the stability of the ground before excavation work begins.


(2) A contractor who performs excavation work-

- (a) must take reasonable and sufficient steps in order to prevent, as far as is

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reasonably practicable, any person from being buried or trapped by a fall or dislodgement of material in an excavation;

(b) may not require or permit any person to work in an excavation which has not been adequately shored or braced: Provided that shoring and bracing may not be necessary where-

(i) the sides of the excavation are sloped to at least the maximum angle of repose measured relative to the horizontal plane; or

(ii) such an excavation is in stable material: Provided that-

(aa) permission has been given in writing by the appointed competent person contemplated in subregulation (1) upon evaluation by him or her of the site conditions; and

(bb) where any uncertainty pertaining to the stability of the soil still exists, the decision from a professional engineer or a professional technologist competent in excavations is decisive and such a decision must be noted in writing and signed by both the competent person contemplated in subregulation (1) and the professional engineer or technologist, as the case may be;


(c) must take steps to ensure that the shoring or bracing contemplated in paragraph (b) is designed and constructed in a manner that renders it strong enough to support the sides of the excavation in question;

(d) must ensure that no load, material, plant or equipment is placed or moved near

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the edge of any excavation where it may cause its collapse and consequently endangers the safety of any person, unless precautions such as the provision of sufficient and suitable shoring or bracing are taken to prevent the sides from collapsing;

(e) must ensure that where the stability of an adjoining building, structure or road is likely to be affected by the making of an excavation, steps are taken to ensure the stability of such building, structure or road and the safety of persons;

(f) must cause convenient and safe means of access to be provided to every excavation in which persons are required to work, and such access may not be further than six meters from the point where any worker within the excavation is working;

(g) must ascertain, as far as is reasonably practicable, the location and nature of electricity, water, gas or other similar services which may in any way be affected by the work to be performed, and must before the commencement of excavation work that may affect any such service, take the steps that are necessary to render the circumstances safe for all persons involved;

(h) must ensure that every excavation, including all bracing and shoring, is inspected-


(i) daily, prior to the commencement of each shift;

(ii) after every blasting operation;

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(iii) after an unexpected fall of ground;

(iv) after damage to supports; and

(v) after rain,

by the competent person contemplated in subregulation (1), in order to ensure the safety of the excavation and of persons, and those results must be recorded in a register kept on site and made available on request to an inspector, the client, the client's agent, any other contractor or any employee;

i) must cause every excavation which is accessible to the public or which is adjacent to public roads or thoroughfares, or whereby the safety of persons may be endangered, to be-

(i) adequately protected by a barrier or fence of at least one metre in height and as close to the excavation as is practicable; and

(ii) provided with warning illuminants or any other clearly visible boundary indicators at night or when visibility is poor, or have resort to any other suitable and sufficient precautionary measure where subparagraphs (i) and (ii) are not practicable;


(j) must ensure that all precautionary measures stipulated for confined spaces as determined in the General Safety Regulations, 2003, are complied with by any person entering any excavation;

(k) must, where the excavation work involves the use of explosives, appoint a competent person in the use of explosives for excavation, and must ensure that a

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method statement is developed by that person in accordance with the applicable explosives legislation; and

(l) must cause warning signs to be positioned next to an excavation within which or where persons are working or carrying out inspections or tests.

### 3.48 Working near or crossing National, Provincial and local roads

Principal contractors must at all times ensure that all relevant legislation and best practices are followed when working near or crossing roads.

Ensuring that an adequate risk assessment is conducted and control measures implemented when work is conducted near or close to roads, where required relevant national as well as provincial and local authorities should be notified of any work being carried out over roads. Control measures including but not limited to relevant safety signage, traffic control by the use of flagmen as well as barricading should be in place.

### 3.50 Existing Infrastructure and Services


Before any work commences the Principal contractor should ensure that all existing infrastructure (Live overhead feeders, underground networks such as water pipes electrical cables etc.) are known to their employees and the risks pertaining to these infrastructure as well as what control measures are in place to ensure that no employees is injured or infrastructure damaged as a result of their activities.

The relevant existing infrastructure hazards and risks should be identified and included in the

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project specific baseline risk assessment together with the relevant control measures.

### 3.49 Working in close proximity to large bodies of water

Principal contractors must at all times ensure that all relevant legislation and best practices are followed when working near large bodies of water

Ensuring that an adequate risk assessment is conducted and control measures implemented when work is conducted near or close to bodies of water. Control measures including but not limited to relevant barricading and terrain stability assessment should be put in place.

### 3.50 Working in close proximity to Live Apparatus

All Eskom rules and regulations should be adhered to where work is conducted close to any live electrical apparatus. The latest ORHVS regulations should be administered and followed at all times.

### 3.51 Mandatory Agreement Section 10 (4)

All leased vehicles and equipment should have an agreement of Client and/ or Supplier using third party equipment/ machinery on site.

This document should be made available to Eskom when safety file is being evaluated. Also Eskom SHEQ department and Project Coordinator for the site should be aware if any new agreements are being executed during the entire project duration.


### 3.52 Lifting machines, hand-powered lifting devices and lifting tackle

According to the Driven Machinery Regulations 2015, Section 18(11) the following

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regulations should be adhered to:

(1) No user shall use or permit the use of a lifting machine unless

(a) it has been designed and constructed in accordance with a generally accepted technical standard;

(b) it is conspicuously and clearly marked with the maximum mass load which it is designed to carry with safety: Provided that when this mass load varies with the conditions of use a table showing the maximum mass load with respect to every variable condition shall be posted up by the user in a conspicuous place easily visible to the operator, and

(c) it has at all times at least three full turns of rope on the drum of each winch which forms part of such a machine when such a winch has been run to its lowest limit.

(2) The user shall, where practicable, provide every power-driven lifting machine with -

(a) a brake or other device capable of holding the maximum mass load should the power supply fail, or which is such that it will automatically prevent the uncontrolled downward movement of the load when the raising effort is interrupted; and

(b) a limiting device which will automatically arrest the driving effort when –

(i) the hook or load attachment point of the power-driven lifting machine reaches its highest safe position; and


(ii) in the case of a winch-operated lifting machine with a lifting capacity of 5000 kg or more, the load is greater than the rated mass load of such a machine.

(3) The user shall cause every chain or rope which forms an integral part of a lifting machine

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to have a factor of safety as prescribed by the standard to which such machine was manufactured: Provided that in the absence of such prescribed factor of safety, chains, steel-wire ropes and fibre ropes shall have a factor of safety of at least four, five and ten respectively, with respect to the rated carrying capacity of the lifting machine.

(4) The user shall cause every hook or any other load-attaching device which forms an integral part of a lifting machine to be so designed or proportioned that accidental disconnection of the load under working conditions cannot take place.

(5) The user shall cause the whole installation and all working parts of every lifting machine to be thoroughly examined and subjected to a performance test, as prescribed by the standard to which the lifting machine was manufactured, by a person who has knowledge of the erection and maintenance of the type of lifting machine involved or similar machinery and who shall determine the serviceability of the structures, ropes, machinery and safety devices, before they are put into use following every time they are dismantled and re-erected, and thereafter at intervals not exceeding 12 months: Provided that in the absence of such prescribed performance test the whole installation of the lifting machine shall be tested with 110 percent of the rated mass load, applied over the complete lifting range of such machine and in such a manner that every part of the installation is stressed accordingly.


(6) Notwithstanding the provisions of sub regulation (5), the user shall cause all ropes, chains, hooks or other attaching devices, sheaves, brakes and safety devices forming an integral part of a lifting machine to be thoroughly examined by a person contemplated in

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sub regulation (5) at intervals not exceeding six months.

(7) Every user of a lifting machine shall at all times keep on his premises a register in which he shall record or cause to be recorded full particulars of any performance test and examination prescribed by sub regulations (5) and (6) and any modification or repair to the lifting machine, and shall ensure that the register is available on request for inspection by an inspector.

(8) No user of machinery shall require or permit any person to be moved or supported by means of a lifting machine, unless such machine is fitted with a cradle approved for that purpose by an inspector.


(9) No user shall use or permit any person to use a jib crane with a lifting capacity of 5000 kg or more at a minimum jib radius unless it is provided with –

- (a) a load indicator which will indicate to the operator of the jib crane the mass of the load being lifted: Provided that such a device shall not require manual adjustment, from application of the load to the jib crane until the release of that load, using any motion or combination of motions permitted by the crane manufacturer to ensure safe lifting; or
- (b) a limiting device which will automatically arrest the driving effort whenever the load being lifted is greater than the rated mass load of the jib crane, at that particular radius, using any motion or combination of motions permitted by the crane manufacturer to ensure safe lifting: Provided that such a device shall not arrest the driving effort when the jib-crane is being operated into a safer condition.

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(10) No user shall use or allow the use of any lifting tackle unless the following conditions are complied with, namely that -

(a) every item of lifting tackle is well constructed of sound material, is strong enough and is free from patent defects and is in general constructed in accordance with a generally accepted technical standard;

(b) every lifting assembly consisting of different items of lifting tackle is conspicuously and clearly marked with identification particulars and the maximum mass load which it is designed to lift with safety;

(c) ropes or chains have a factor of safety with respect to the maximum mass load they are designed to lift with safety of

(i) ten for natural-fibre ropes;

(ii) six for man-made fibre ropes or woven webbing;

(iii) six for steel-wire ropes except for double part spliced endless sling legs and double part endless grommet sling legs made from steel-wire rope, in which the factor of safety shall be at least eight;

(iv) five for steel chains; and


(v) four for high-tensile or alloy steel chains:

Provided that when the load is equally shared by two or more ropes or chains the factor of safety may be calculated in accordance with the sum of the breaking strengths taking into consideration the angle of loading;

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(d) steel-wire ropes are discarded and not used again for lifting purposes if the rope shows signs of excessive wear, too many broken wires, corrosion or other defects that have made its use in any way dangerous;

(e) such lifting tackle is examined at intervals not exceeding three months by a person contemplated in sub regulation (5) who shall enter and sign the result of each such inspection in a book kept for this purpose; and

(f) such lifting tackle is stored or protected so as to prevent damage or deterioration when not in use.

(11) The user shall ensure that every lifting machine is operated by an operator specifically trained for a particular type of lifting machine: Provided that in the case of lift trucks with a lifting capacity of 750 kg or more and jib-cranes with a lifting capacity of 5000 kg or more at minimum jib-radius, the user shall not require or permit any person to operate such a lifting machine unless the operator is in a possession of a certificate of training, issued by a person or organisation approved for this purpose by the Chief Inspector.

### 3.55 Live Work

The Contractor or his delegate shall ensure that persons are trained, assessed and authorised in

writing to perform Live Work.


The Person in charge of Live work shall ensure that all work is carried out as required by live work

standards and Task Manual and shall exercise the required level of Supervision.

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Before any Live Work is conducted determine if site conditions at substation are suitable for the task

to be carried out safely.

Supporting equipment must be inspected, tested and certified as serviceable.

Check that all live work authorizations are valid and suitable to task at hand.

Check and verify whether relevant PPE is available, in a serviceable and usable condition.

Risks associated with Live Work:

These risks that are identified below are not the only risks associated with this task and must not be


discussed in isolation.

- a) Maintain minimum approach distance to other potentials.
- b) Access route needs to be determined before driving the vehicle into sub. If the vehicle cannot
- c) access the work area safely alternative access must be considered.
- d) Ensure that when any vehicles are used in vicinity of live apparatus that the minimum approach distances are observed and maintained.
- e) Ensure that all vehicles on work site are earthed to the structures.
- f) DC supply and yard inspections must be performed before any task is attempted.
- g) Current carrying capacity of jumper to be adequate for task.
- h) Non-live work staff is not allowed access during any live work activity.

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Note: No Live work can be performed unless there is an approved Task Manual which has been designed from a Task Analysis highlighting the associated hazards and risks at each stage of the activity.

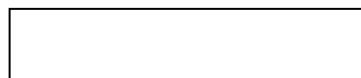
#### 4. Acceptance

Nil.

#### 5. Revisions

Date	Rev.	Compiler	Remarks
August 2015	0	F Poee	This provides the initial SHE specification requirements that must be met by the relevant contractors who have been awarded a contract for the work to be performed for Eskom.
	1		


### **ANNEXURE 2 – FLASH REPORT**



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ACCIDENT / INCIDENT REGISTER NO :

**PART 1 – TO BE COMPLETED FOR ALL ACCIDENTS / INCIDENTS:**

ESKOM	<input type="checkbox"/>	PUBLIC	<input type="checkbox"/>	CONTRACTOR	<input type="checkbox"/>	CASUAL/TEMP	<input type="checkbox"/>
POOL	<input type="checkbox"/>	COMPANY CAR	<input type="checkbox"/>	SCHEME	<input type="checkbox"/>	HIRED/PRIVATE	<input type="checkbox"/>

FIRST AID		ELECTRICAL CONTACT	
MEDICAL		EQUIPMENT DAMAGE	
FATAL		THEFT	
LOST TIME INJURY		ENVIRONMENTAL	
OCCUPATIONAL DISEASE		FIRE	
VEHICLE ACCIDENT		NEAR MISS	
STORM DAMAGE		ON DUTY	
OTHER		OFF DUTY	
CRIME RELATED INCIDENTS			
PRIORITISATION BY LINE & SHE USING THE MATRIX			
 Matrix.pdf			

NAME OF PERSON INVOLVED	
UNIQUE NUMBER OR IDENTITY NUMBER	
NATURE OF INJURIES SUSTAINED	
UNIT/SECTION/DEPARTMENT	
DATE OF ACCIDENT/INCIDENT	
LOCATION OF INCIDENT/ACCIDENT	
MANAGER/SUPERVISOR	
TELEPHONE NUMBER	


<b>FULL DESCRIPTION OF ACCIDENT/INCIDENT :</b>

<b>WHAT IMMEDIATE ACTION IS TAKEN TO PREVENT SIMILAR INCIDENT IN FUTURE?</b>

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<b>LESSON LEARNT (GENERAL)</b>

<b>IMMEDIATE PRELIMINARY FINDINGS OBSERVED</b>

SUBSTANCE ABUSE TEST DONE	YES		NO	
---------------------------	-----	--	----	--

**PART 2 – TO BE COMPLETED FOR PUBLIC / CONTRACTOR / LIVESTOCK ACCIDENTS**

LOW HANGING CONDUCTOR / CONDUCTOR ON GROUND		OTHER	
IRRIGATION PIPE INTO LINE			
TELKOM LINE INTO ESKOM LINE			
EXTERNAL / SUB-CONTRACTOR			
UNLAWFUL ENTRY / VANDALISM			
CRANE INTO LINE			
TREE ON LINE			
ESKOM VEHICLE INVOLVED			

**PART 3 – TO BE COMPLETED FOR ALL VEHICLE ACCIDENTS**

ESKOM DRIVER & UNIQUE NUMBER	
ESKOM VEHICLE REGISTRATION NUMBER	
DAMAGES TO ESKOM VEHICLE	
THIRD PARTY REGISTRATION NUMBER	
DRIVER OF 3 <sup>RD</sup> PARTY VEHICLE	
TELEPHONE NUMBER OF 3 <sup>RD</sup> PARTY	
NAME OF WITNESS	
WITNESS TELEPHONE NUMBER	


**PART 4 – TO BE COMPLETED FOR ALL ELECTRICAL CONTACTS**

DD SHEET NUMBER	
LINE CLEARANCE	
SUB STATION AND NETWORK	

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SECTION BREAKERS	
TEE LINE	
ESKOM VOLTAGE	
BEFORE THE METER	
BEYOND THE METER	

**PART 5 – TO BE COMPLETED FOR ALL CRIME RELATED INCIDENTS**

NAME OF INVESTIGATING OFFICER	
DATE , TIME REPORTED TO INVESTIGATING OFFICER	
ESTIMATED VALUE INVOLVED	
DESCRIPTION OF PROPERTY DAMAGE	
NAME OF POLICE STATION REPORTED TO	
DATE, TIME REPORTED TO SAPS	
PERSON REPORTING TO SAPS	

**PART 6 – TO BE COMPLETED FOR ALL MEDICAL AND LOST TIME INJURIES**

NAME OF ATTENDING DOCTOR	
NAME HOSPITAL TAKEN TO	
TELEPHONE NUMBER OF DOCTOR / HOSPITAL	
FAX NUMBER OF DOCTOR / HOSPITAL	
DATE OF TREATMENT RECEIVED	
TIME OF TREATMENT RECEIVED	

**PART 7 – TO BE COMPLETED FOR ALL INCIDENTS / ACCIDENTS**


FULL NAME OF PERSON REPORTING INCIDENT	
NAME OF SAFETY REP REPORTED TO	
TELEPHONE NUMBER	
FAX NUMBER	
DATE OF REPORTING INCIDENT / ACCIDENT	
TIME OF INCIDENT / ACCIDENT	

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# DISTRIBUTION TECHNICAL INSTRUCTION

15 December 2011 Enquiries: Moniwa Mahlangu  
Tel: (012) 421 6625

**TECHNICAL INSTRUCTION: 11TI-027**  
**ART: 21 – RISK MANAGEMENT**

**TRANSPORTATION OF PEOPLE AT THE BACK OF OPEN VEHICLES (BAKKIES)**

**Background**

In the past years we have experienced fatalities where people were being transported at the back of open vehicles, this has had a major impact since these vehicles are not meant for the conveyance of people but material and tools instead and furthermore it is against existing laws in the country. It was also communicated through a technical instruction (10TI-012) issued on 26 March 2010 that the practice should be stopped, it was however observed that this practice still persists in the organization.

It is further expressed that all Eskom employees and contractors should ensure Zero Harm to employees whilst performing work and even travelling on a daily basis.

**Instruction**

In order to prevent these incidents and similar consequences, It is decided that no person will be transported in a vehicle that is not intended for the conveyance of people at all times. Therefore no one will be transported at the back of an LDV regardless of whether it is covered with a canopy.

This instruction should be implemented with immediate effect and be communicated to all the relevant parties.


This Technical Instruction is in accordance with Eskom's Policies & Procedure and applicable legislation.

Your commitment to Zero Harm to all is appreciated.

  
 APPROVED BY:  
**A Noah**  
 Chairperson – Distribution SHEQ Committee

23/12/2011  
 DATE:


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### **ANNEXURE 1- TRAINING NEEDS MATRIX**

X – Compulsory  
O - Optional

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	First Aid Level 1 & 2	Emergency Preparedness (General) Emergency Action Plans / Evacuation / Drills	Safety Induction Eskom And Contractor Own Workers Induction Programme	Fire Fighting For Individuals	Incident Investigation (Rcat)(Management	Hazardous Substance Handlers	C.O.I.D. Act	Occupational Health & Hygiene And Housekeeping	SMAT & Be Safe Be Smart	Eskom Distribution Hazard Identification & Risk Assessment Course	Job Safety Analysis, Planned Task Observation Course	Integrated SHE Management	OHS Act & The Regulations	Environmental Legislation/ Vegetation / Bush Clearing Non High Risk Trees	High Risk Trees:- Grounds Man ,Tree Climbers ,Chainsaw , Identification ,Cutting ,Sectional Felling ,Tree Climbing And Rescue At Heights	Eskom Distribution RAS Audit Template	Working At Heights:- Fall Prevention And Rescue Training	Risk Management Standards And Procedures Awareness	Operating Regulations For H.V. Systems	Defensive Driver Training	Advance Driver Training	Vehicle Driver And Mobile Equipment Operator
CEO/Appointed Person	O	X	X	X	X	X	X	x	X	X	X	X	X	O	O	X		X	X	X	X	O
Senior Site Supervisors	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Building Work Contractor employees	X	X	X	X			X	X	X	X	X		O	X	X		X	X				X
Drivers/Operators	X	X	X	X		X	X	O	X	X			O	X	X			X	X	X	X	X

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Bush/Vegetation cleaners	X	X	X	X		X	X	O	X	X			O	X	X			X	O			X
High Risk Tree Fellers	X	X	X	X		X	X	O	X	X	X		O	X	X		X	X	O			X
Contractor employees(non-building work)	X	X	X	X		X	X	X	X	X			O	X			X	X				
Cleaners	X	X	X	X		X	X	X	X	X			O					X				
Other		X	X	X		X	X	X		X			O					X				

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## **TENDER EVALUATION FORM**


High and Medium Risk Category (All or nothing approach will be used for section 1)

<b><u>Ref.</u></b>	<b><u>KPIs</u></b>	<b><u>Submission</u></b>	<b><u>Actual score</u></b>	<b><u>Comments</u></b>
		Y = Yes N= No N/A = Not applicable		
1	Is the acknowledgement of <b>Eskom's SHE rules</b> and requirements form <b>(Annexure B)</b> signed and submitted by the tenderer?			

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		Y = Yes N= No N/A = Not applicable		
2	<b>Costing for Safety Health and Environmental management</b> Has the tenderer submitted detailed (The cost should be broken down not provided as a lump sum) costing for SHE, i.e. – <ul style="list-style-type: none"> <li>based on the overall scope of work/service to be performed;</li> <li>the generic scope of work/service risk assessment – this may serve as a guideline.</li> </ul>			

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		Y = Yes N= No N/A = Not applicable		
3	<b>OHS plan</b> (Applicable to high risk work only) <ul style="list-style-type: none"> <li>• OHS organization within the Company- Responsibility &amp; Accountability</li> <li>• SHE Incident management</li> <li>• Planning of conduct of work activities including planning for changes and emergency work</li> <li>• PPE- Personal Protective Equipment</li> <li>• Emergency planning and fire risk management</li> </ul>			

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		Y = Yes N= No N/A = Not applicable		
	<ul style="list-style-type: none"> <li>Vehicle and driver behavior safety</li> <li>Contractor or supplier selection and management</li> <li>Design and specifications</li> <li>Competency, training, appointments</li> <li>Communication and awareness</li> </ul> Management commitment and visible felt leadership			
4	<b>Baseline Risk Assessment (BRA)</b> Identification, assessment and management of SHE risks related to the scope of work. The methodology			

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		Y = Yes N= No N/A = Not applicable		
	used for the risk assessment must be provided together with the BRA			
5	<b>Valid Letter of Good Standing</b> (COIDA or equivalent)			
6	<b>SHE policy signed by CEO/ MD-</b> Comply to OHS Act Section 7 or OSHAS 18001			

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		Y = Yes N= No N/A = Not applicable		
7	<b>Medical fitness certificate</b> x 1 or Medical surveillance Programme for non-operational suppliers or supplier with no employees			
8	<b>SHE Competency</b> (Consider scope of work, risks, SHE plans and applicability) submit Appointment <b>letters</b> and <b>qualifications / certificates proof of accreditation for training providers</b> e.g. <ul style="list-style-type: none"> <li>- First aiders</li> <li>- Safety officer (SACPCMP)</li> </ul>			

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		Y = Yes N= No N/A = Not applicable		
	<ul style="list-style-type: none"> <li>- Construction Manager SACPCMP registered</li> <li>- SHE Representative</li> <li>- Risk Assessor</li> <li>- Incident investigator</li> <li>- Fall Protection Planner (229994)</li> <li>- FAS &amp; Rescue competence (229998&amp;229995)</li> </ul> <p>Note: Provide proof that Training service providers used are accredited with relevant statutory body to provide such training</p>			

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		Y = Yes N= No N/A = Not applicable		
	<b>TOTAL</b>			<b>Approved/ Not Approved</b>

**Score:**

**0 = Document not submitted OR submitted but does not satisfy the minimum requirements**


**1 = Document submitted and the content satisfy the minimum requirements**

**\*NOTE:** For explanatory notes for the listed items (SHE requirements) please refer to [240 - 77433139 Annexure A: Supplier Risk Category](#)

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		Y = Yes N= No		
1	Other requirements			
2				
3				
4				
	<b>TOTAL</b>			<b>Approved/Not Approved</b>

Score:

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#### Annexure 4 – Construction Evaluation Template

SITE SPECIFIC CONTRACTOR EVALUATION TEMPLATE		
PRINCIPAL CONTRACTOR DETAILS		
Site Name & Address		Telephone:
Project Manager (Client)		Telephone: Cell No :

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Principal Contractor		Telephone: Cell No :
Contractors		Telephone:
Construction /Site Manager(Principal Contractor)		Cell:
Construction H&S Manager (Principal Contractor)		Cell:
Construction H&S Officer( Principal Contractor)		Cell:
Scope of Work		
Project Commencement Date:		
Project Completion Date:		

Codes	Legal Requirements	Legal Ref	STATUS	What to look for??	Actions & Comments
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			Y	N	N/A		
A1	OHS Policy	Sec. 07 OHS ACT				<p>Written OHS policy wrt protection of the Health and Safety of employee at work</p> <p>Includes description of organisation, Arrangements for carrying out and reviewing policy</p> <p>SHE Policy must be signed by the CEO of the company and dated.</p>	
A2	Mandatory Agreement	Sec. 37(2)				<p>A signed 37-2 agreement (new) by Client and Principal Contractor</p> <p><a href="https://hyperwave.eskom.co.za/240-77037682">https://hyperwave.eskom.co.za/240-77037682</a></p>	


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						If applicable between Principal contractor and their appointed contractors (includes security contractors)	
		Section 10 (4)				Is there an agreement of Client and/ or Supplier using third party equipment/ machinery on site?	
		32-726 (Annexure B)				Signed Annexure B Acknowledgement of Eskom SHE rules and other requirements   Acknowledgement Form for Eskom SHE I	

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		Adherence to Requirements				<p>Signed Adherence to the Occupational Health and Safety Act, Act No 85 of 1993 and Regulations, Eskom SHE Specification and other Requirements</p>  <p>Letter to Contractor Executives 18-12-202</p>	
A3.1	Construction Work Permit  OR  Notification of Construction Work	CR 3(6)				<p>Annexure 1- Proof of Construction Work Permit from Department of Employment and Labour</p> <p>Note: Construction work exceed 365 days, 3600 person days of construction work or works contract is of a value equal to R60 mill (CIDB LVL 7)</p>	
A3.2		CR 4(1)				Completed & Signed Annexure 2 (by both parties). Proof of stamped	

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						Annexure 2 from Department of Employment and Labour  Note: Construction work includes demolition of a structure, excavation work, working at a height where there is a risk of falling, Use of explosives	
A4	H&S specification for the project	CR 5(1)(f)				Client Issued H&S Specification to be included in file	
A5	Total Number of employees on site	CR 5(1)(h)				Employee list site specific to the project OHS Organogram with job descriptions	
A6	Letter of Good Standing	CR 5(1)(j)				A valid current FEM/COID letter of Good Standing, Number and expiry date/ Nature of Business must reflect the scope of work of that specific project.	

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A7	H&S Plan	CR7 (1)(a)				H&S Plan to be aligned to Clients H&S Specification/ scope specific to the project	
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Codes	Appointments & Competencies	Legal Ref	Status			What to look for?	Actions & Comments
			Y	N	N/A		
B1	CEO	Sec.16(1)				Confirmation letter/ Letter of resolution by board of directors	
B2	CEO Assignee	Sec. 16(2)				Letter of Appointment	
B3	H&S Rep.	Sec. 17				Letter of appointment and proof of competency	

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						Proof that training service providers is SAQA accredited – Scope of approval of accreditation	
B4	H&S Committee Members	Sec. 19(3)				Letters of appointment( Chairperson appointment, Management appointees as well as employee representatives)	
B5	First Aider	GSR 3(4)				Letter of appointment and proof of competency  Proof that training service providers is SAQA accredited – Scope of approval of accreditation	
B6	Ladder Inspector	GSR 13A				Letter of Appointment & proof of competence  Proof that training service providers is SAQA accredited – Scope of approval of accreditation	

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B7	Incident Investigator	GAR 9(2)				Letter of appointment and a certificate in incident investigation e.g. RCAT  Proof that training service providers is SAQA accredited – Scope of approval of accreditation	
B8	Appointment of Principal Contractor	CR 5(1) (k)				Letter of Appointment of Principal Contractor and competency	
B9	Construction Manager	CR (8) (1)				Letter of Appointment, proof of SACPCMP registration (No candidate registration)	
B10	Assistant Construction Manager	CR (8) (2)				Letter of Appointment, proof of SACPCMP registration (No candidate registration)	
B11	Construction H&S Officer (Full or part-time)	CR 8(5)				Letter of Appointment & SACPCMP Registration	
B12	Construction Work Supervisor	CR 8(7)				Letter of Appointment & proof of competence	

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						Proof that training service providers is SAQA accredited – Scope of approval of accreditation  Line construction competence	
B13	Assistant Constr. Work Supervisor	CR 8(8)				Letter of Appointment & proof of competence  Proof that training service providers is SAQA accredited – Scope of approval of accreditation	
B14	Risk Assessor	CR 9(1)				Letter of appointment & proof of formal Risk Assessment course/training attended- Institution name  Proof that training service providers is SAQA accredited – Scope of approval of accreditation	

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B15	Fall Protection Planner	CR -10(1)(a)				Letter of appointment and proof of training  Proof that training service providers is SAQA accredited – Scope of approval of accreditation  US:229994 must reflect on certificate	
B16	Temporary Work Supervisor	CR 12(2)				Letter of appointment and proof of competency	
B17	Crane supervisor (Tower Cranes)	CR22(a)				Letter of appointment and proof of competency	
B18	Training of Lifting Machine operator	DMR 18(11)				TETA accredited certificate, Certificates & permit to operate, Licences and Prdp's  Proof that training service providers is SAQA accredited – Scope of approval of accreditation	

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						Competency certificate must indicate lifting machine code and attachment, Issue date and expiry date	
B19	Construction Vehicle & Mobile Plant operator	CR 23(1)(d)(i)				<p>Letter of appointment and course certificates/ Nationals driver licence (Check road worthiness of the construction vehicles on site) TLB's, Drill rigs, Truck Mounted Cranes, MEWP's and LDV's</p> <p>Proof that training service providers is SAQA accredited – Scope of approval of accreditation</p>	
B20	Temporal Electrical Installation Inspector	CR24(d)				Letter of appointment and proof of competency Wiremans Licence	
B21	Electrical Machinery Inspector	CR 24(e)				Letter of appointment and proof of competency, Electrical Trade test	

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B22	Procedure for prevention of Fall into water & rescue plan of persons in danger of drowning	CR26(1)(a)				Procedure & Rescue Plan	
B23	Stacking & Storage	CR 28(a)				Letter of Appointment & proof of competence – Formal training certificate	
B24	Fire Equipment Inspector	CR29 (h)				Letter of appointment and proof of competency  Basic fire fighting training	
B25	Mobile Elevated Working platforms, Skyjacks: Operating certificates on file	DMR18(11)  SANS 1887:2007				TETA accredited certificate, Certificates & permit to operate, Licences and Prdp's	

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						Proof that training service providers is SAQA accredited – Scope of approval of accreditation  Competency certificate must indicate lifting machine code and attachment, Issue date and expiry date	
B26	Inspector of Lifting Machines &Tackle	DMR- 18 (5)				Proof of competency:  LMI: Proof of accreditation number (ECSA/LEEASA)  LME: Proof of registration with Dept of Labour, Scope of approval	
B28	HCA Controller	HCA Regulations				Letter of appointment and proof of competence for Hazardous chemicals (Valid PCO for Vegetation Management)	

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B29	Excavation Supervisor	CR13				Appointment and Competence  Proof that training service providers is SAQA accredited – Scope of approval of accreditation	
B30	Demolition Supervisor	CR14(1)				Letter of appointment and proof of competency  Proof that training service providers is SAQA accredited – Scope of approval of accreditation  Line construction training  Authorisation  Eskom Training for constructing , Maintain and Dismantle overhead power Lines is –	

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						<ul style="list-style-type: none"> <li>•The MV line Constructions Training 11KV up to 33KV which is ELW 01 to ELW10.</li> <li>•Low Voltage - LV Line contractions ELW 11 to ELW 12.</li> <li>•The 5 pole structure training for 66KV to 132KV.</li> </ul>	
Codes	Risk Assessment	Legal Ref	Status			What to look for?	Actions & Comments
			Y	N	N/A		
C1	Risk and Hazard Identification	CR 9(1)(a)				Site specific Baseline Risk Assessment	
C2	Risk and Hazard Analysis	CR 9(1)(b)				A documented method on how hazards and risks are evaluated and analysed : Risk matrix	

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C3	Risk Control	CR 9(1)(c)				Documented Risk Mitigation/ Control plan	
C4	Task Manuals and Safe Work Procedures	CR 9(1)(c)				List safe work procedures to mitigate, reduce or control the risks on the BRA  Methods used to address all the risks identified per location and as per scope of work	
C5	Monitoring Plan/Mechanism	CR 9(1)(d)				A monitoring plan- How are risks monitored. Note: during execution phase planned task observation at 4 per month by the supervisor, Working at Heights & Specialized Vehicle equipment	
C6	Review Plan	CR9(1)(e)				A review plan demonstrating the frequency of review of Baseline RA's (Date of review of the plan if terms of incident occurs)	

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Codes	Fall Protection	Legal Ref	Status			What to look for?	Actions & Comments
			Y	N	N/A		
D1	Fall Protection Plan: Risk assessment	CR 10(2) CR 10(2) (a)				Proof of: a risks assessment that includes Hazards and risks associated with all work carried out at positions of elevation and procedures and methods used to address all the risks identified per location.	
D2		32-418				Risks to be considered refer to 3.3.2 (b) pg. 8&9 of 32-418: Working at Heights Procedure.   Work at Height Standard 32-418.pdf	

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D3	Fall Protection plan: Process for evaluating employees medical fitness necessary to work in a fall risk position	CR 10(2)(b)				Process for evaluating employees medical fitness	
D4	Fall protection plan: Training programme	CR 10(2)(c)				Programme for training of employees working from a fall risk position	
D5	Fall protection plan: Training programme					FAS Unit standard 229998	
						Rescue Training Unit standard 229995	
D6	Fall protection plan: Inspection, testing and maintenance of all Fall Protection Equipment	CR10(2)(d)				Procedure outlining the Inspection, testing and maintenance of all Fall Protection Equipment	
D7	Fall protection plan: Rescue Plan	CR10(2)(e )				Rescue plan detailing the necessary procedure, personnel and suitable equipment	

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						required to affect rescue of a person in the event of a fall incident to ensure that the rescue procedure is implemented immediately following the incident	
D8	3.5.11 At least two persons per team have to be able to perform rescues if work at height is involved. All personnel trained to perform rescues will be trained to first aid Level 2.	32-418				Two rescuers per team – Provide names of rescuers	
						Proof of first aid level two training of rescuers	
<b>Codes</b>	<b>Induction Training</b>	<b>Legal Ref</b>	<b>Status</b>			<b>What to look for?</b>	<b>Actions &amp; Comments</b>
			<b>Y</b>	<b>N</b>	<b>N/A</b>		
E1	Training Matrix/ Syllabus of the Company					Training analysis/Matrix	

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E2	Proof of Eskom's Induction Training on file.					Proof of Eskom Induction conducted	
E3	Was Induction done by the Company?					Proof of Company Induction (Attendance register) & Contractor Induction Curriculum Content	
Codes	Medical Surveillance	Legal Ref	Status			What to look for?	Actions & Comments
			Y	N	N/A		
F1	Crane operator's medical certificate of fitness	CR 22(f)				Medical Fitness certificates by OHP & OHNP	
F2	Construction Vehicle & Mobile Plant Operator's medical certificate of Fitness	CR 23(1)(d)(ii)				Medical Fitness Certificate by OHP & OHNP	

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F3	Medical certificates for all employees	CR 7(8)				Medical Certificates of all employees in the project by OHP & OHNP	
F4	Certificate of medical fitness	CR10(2)(b)				Evaluation of medical fitness of employees working at heights by OHP & OHNP	
Codes	Dismantling of structures	Legal Ref	Status			What to look for?	Actions & Comments
			Y	N	N/A		
G1	Task Manuals and Safe Work Procedures	240-147749433				<p>Procedure for testing integrity /Rotten of structures?</p> <p>Will work be performed on poles not being classed. Yes/No</p> <p>Contractor to indicate how they will ensure compliance to below Eskom standards / Procedures / Instructions:</p>	

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						Working on Suspect and or Unclassified poles engineering instruction   Working on Suspect or Unclassified Poles :  Classes poles: how will testing be done?	
		CR 11 & CR 14 (2)				Contractor to indicate how they will ensure compliance to Legal requirements and below Eskom standards / Procedures / Instructions - Safe Work Procedures for dismantling of structures, Procedure to prevent the uncontrolled collapse of new or existing Structure, Method statement on procedure to be followed in demolishing structure	

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		240-153633907				REPLACING OF A 5-POLE SUSPENSION STRUCTURE WOOD POLE	
		240-97759836				 Replacing of a 5-Pole Suspension Structure-	
		240-97759751				MANUAL REPLACEMENT OF A ROTTEN / DAMAGED WOODEN POLE STRUCTURE   Manual Replacement of a Rotten-Wooden F  Replacement of a Rotten wooden pole with a vehicle mounted crane	

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						 240-97759751 Replacement of a Rot	
G2	Task specific Risk Assessment for Dismantling of structures	CR 9(1)(a)(e)				Proof of: a risks assessment that includes Hazards and risks associated with all work carried out at positions of elevation and procedures and methods used to address all the risks identified per location and as per scope of work	
G3	Engineering surveys results/Reports	CR14(2)				Results of Engineering surveys conducted, Entity/ Service provider competence who conducted the survey report and confirmation.  Contractor to have the results of the surveys reports that was done. Eskom representative	

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						to confirm/contractual approval for the survey contractor	
G4	Structural integrity check	CR 14 (3)				Inspection checklist	
Codes	Asbestos	Legal Ref	Status			What to look for?	Actions & Comments
			Y	N	N/A		
H1	Identification of asbestos in place	AAR 3				Employer to provide proof that all asbestos containing material at the workplace is identified by a competent person	
H2	Inventory of asbestos in place	AAR 4				Employer must obtain the services of a competent person to ensure that all materials identified to be asbestos containing material are entered in an inventory of asbestos in place which is kept at the workplace or premises	

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						<p>Inventory of asbestos in place must contain the following information:</p> <p>Date on which material was identified</p> <p>A description of the material, quantity and extent of deterioration</p> <p>Location as detailed on a floor plan</p> <p>Confirmation of labelling and signage as required by AAR 20</p> <p>Risk categorisation derived from the asbestos risk assessment as detailed in AAR 5(3)</p> <p>A description of potential exposure scenarios as required by AAR 6(2)(b)</p>	
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						Inventory revised by competent person at intervals not exceeding 24 months	
						Asbestos Client must ensure that a copy of the asbestos inventory is given to the Mandatory, registered asbestos contractor, Approved Inspection Authority (AIA) before asbestos removal or repair work commences	
H3	Asbestos Risk assessment	AAR 5				Is an asbestos risk assessment in place	
H4	Asbestos management plan	AAR 6				<p>Provide proof that a competent person has prepared a written asbestos management plan and that it includes the following:</p> <p>A procedure that contains at least measures related to: Implementation of AAR 3, 4,5,8 and 20; Repair removal and management of asbestos containing material;</p>	

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						A procedure for following scenarios: Incidents; Emergencies; Removal work; Repair work	
H5	Information, Instruction, and training	AAR 7				Are supervisors and employees adequately and comprehensively informed, Instructed and trained by a competent person. Provide proof of training records	
H6	Notification of asbestos work	AAR 10				Provide proof that Chief Director: Provincial Operations has been informed in writing 7 days prior commencement of asbestos work	
H7	Duties of Asbestos Client for asbestos work	AAR 11 (1) (a-d)				Type 1 asbestos work provide:  Up to date inventory of asbestos in place as per AAR 4 when asbestos work is planned	

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						<p>Ensure that Asbestos risk assessment is carried out prior to asbestos work is done as per AAR 5</p> <p>Ensure written Safe work procedure is developed and followed</p> <p>Provide adequate Information, Instruction and Training as per AAR 7 to ant person who may be exposed to asbestos as a result of asbestos work</p>	
		AAR 11 (2) (a-j)				<p>Type 2 &amp; 3 asbestos work provide:</p> <p>Up to date inventory of asbestos in place as per AAR 4 when asbestos work is planned, If not identified on inventory review and update inventory</p>	

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						<p>Ensure that Asbestos risk assessment is carried out prior to asbestos work is done as per AAR 5</p> <p>Appoint in writing and Approved Inspection Authority (AIA)</p> <p>Ensure that appropriately registered asbestos contractor performs Type 2 &amp;3 work as per Asbestos plan of work</p> <p>Ensure that Notification of asbestos work is done as per AAR 10(2)</p> <p>Co sign asbestos plan of work for asbestos repair and removal</p> <p>Stop any registered asbestos contractor from executing any asbestos work which poses a risk to health and safety</p>	
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						Ensure registered asbestos contractor is registered and in good standing with Compensation fund or licenced compensation insurer	
		AAR 11 (3)				After completion of Type 2&3 asbestos work, asbestos client must obtain and asbestos clearance certificate from the approved inspection authority	
H8	Duties of registered asbestos contractor for asbestos work	AAR 12 (1)				Type 2&3 asbestos work registered asbestos contractor :  Undertake only the type of asbestos work for which contractor is registered  Appoint OHS representative as per Section 17	

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						Obtain up to date inventory from of asbestos in place from asbestos client prior to asbestos work taking place	
		AAR 12 (2)				<p>Before and during asbestos work ensure that a risk assessment is performed that includes identification of hazards to which persons are exposed to; an assessment of the risks related to hazards and documented control measures in place</p> <p>Risk assessment is reviewed at regular intervals, when an incident occurs, when scope of work changes. Up to date copy of risk assessment must be available on site</p>	
		AAR 12(3) (a)				Provide proof that Chief Director: Provincial Operations has been informed in writing 7 days prior commencement of asbestos work	

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		AAR 12(3) (b)				Appoint in of an asbestos removal supervisor for asbestos work site  Asbestos supervisor must ensure : OHS compliance on site; compliance with safe asbestos removal or repair procedures; correct use of PPE; proper decontamination and waste disposal	
		AAR 12(3) (f)				Ensure that and Approved Inspection Authority has been appointed in writing by the asbestos client	
H9	Duties of an approved inspection authority (AIA) for asbestos work	AAR 13				AIA involved in Type 2 & 3 work must:  Ensure appropriately registered asbestos contractor performs only type 2 and 3 asbestos work	

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						<p>Obtain a copy of up to date inventory of asbestos from asbestos client prior to asbestos work taking place</p> <p>Compile plan of work in consultation with registered asbestos contractor as per AAR 15</p> <p>Approve and submit plan of work to Chief Director</p> <p>Perform planned asbestos air monitoring in accordance with AAR 16 and provide results to asbestos contractor and client</p> <p>Issue asbestos report with findings and recommendations</p> <p>Upon completion of Type 2 &amp; 3 asbestos work clearance is performed as per AAR 22</p>	
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H10	Plan of work	AAR 15				<p>Written plan of work must contain:</p> <p>(a) Name, contact details and responsibilities of the registered asbestos contractor, approved inspection authority, asbestos waste transporter, asbestos waste disposal site and asbestos client, where applicable;</p> <p>(b) name and contact details of the asbestos removal supervisor for the asbestos work site;</p> <p>(c) details of the asbestos to be removed, including the location, type, estimated quantity and condition of the asbestos;</p> <p>(d) a list of employees' names and identification numbers with verification of valid asbestos training and medical surveillance records for the asbestos work site;</p> <p>(e) expected commencement and completion dates;</p>	
-----	--------------	--------	--	--	--	--	--

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						(f) air monitoring method used, and frequency of air monitoring, in accordance with regulation 16; (g) details of how the asbestos removal work will take place, including methods of removal, tools and equipment, and the appropriate personal protective equipment to be used; (h) details relating to the requirements of decontamination facilities and decontamination procedures; (i) details of demarcation, labelling and signage requirements for regulated asbestos areas, asbestos waste and temporary on-site storage areas; (j) procedure for decontamination of the work area, tools and equipment; (k) emergency procedures in the event of uncontrolled asbestos release; (l) method for disposal of asbestos waste; (m) detail of asbestos clearance certification; and (n) specific relevant prohibitions.	
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						Plan of work must be signed by asbestos Client, asbestos contractor and AIA , accepting their duties	
H11	Air monitoring	AAR 16				Type 2&3 asbestos work asbestos client must ensure that air monitoring is done  Environmental air monitoring done by AIA	
H12	Medical surveillance	AAR 17				Provide proof of valid medicals done by Occupational Medical Practitioner	
H13	Regulate asbestos area	AAR 18				Demarcate and identify asbestos area	
H14	Personal Protective Equipment (PPE) and facilities	AAR 19				PPE matrix indicating PPE required for Asbestos work  Provide information, instruction, training and supervision as required for use of PPE	

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						Provide process detailing cleaning, decontamination, storage facilities for personal protective equipment	
H15	Labelling and signage	AAR 20				Identify asbestos in place using the pictogram as per Annexure 1  Clearly label all asbestos waste as per AAR 20 (a-c)	
H16	Disposal of asbestos	AAR 21				Employer must ensure:  (a) all asbestos waste is placed in containers that will prevent exposure during handling; (b) the premises, structure or area are thoroughly checked to ensure that all asbestos waste intended for disposal has been removed;	

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						(c) all vehicles, reusable containers or any other similar articles, which have been in contact with asbestos waste, are cleaned and decontaminated after use in such a way that such vehicles, containers or similar articles do not cause a hazard inside or outside the workplace concerned; (d) a document is obtained from the asbestos disposal site, contemplated in subregulation (e), for all asbestos waste removed from the workplace; all asbestos waste is disposed of only on sites specifically designated for this purpose in terms of the Environment Conservation Act, 1989, and the National Environmental Management: Waste Act, 2008; (e) all persons involved in the collection, transport and disposal of asbestos waste, who may be exposed to that waste, are provided with suitable personal protective equipment;	
--	--	--	--	--	--	--	--

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						(f) the drivers of vehicles carrying asbestos waste are provided with written instructions on safety precautions and emergency procedures; and (g) where the services of a contractor for the transport and disposal of asbestos waste are used, the contractor complies with the provisions of these Regulations.	
H17	Asbestos Clearance certificate	AAR 22				Following the completion of type 2 or type 3 asbestos work, an approved inspection authority must— (a) conduct a thorough visual inspection of the relevant work area; (b) conduct air sampling to ensure compliance with the clearance indicator; (c) ensure that all asbestos waste has been removed in accordance with the requirements of regulation 21; and (d) issue a written declaration for the purpose of clearance certification.	
<b>Codes</b>	<b>Procedures</b>	<b>Legal Ref</b>	<b>Status</b>		<b>What to look for?</b>		<b>Actions &amp; Comments</b>

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			Y	N	N/A		
I1	Incident Management Procedure	32-95				Incident Management procedure to be aligned to 32-95, wrt reporting, recording, classification and investigation	
I2	Effective Evacuation Plan	CR 29(1)(i)				Evacuation Plan (e.g. Check emergency number, appointments letters and Fire extinguisher handling awareness etc.)	
I3	Vehicle Safety Management	32-345				Vehicle Safety Management Procedure to be aligned to Eskom 32-345	
I4	Procedure for prevention of Fall into water & rescue plan of persons in danger of drowning	CR26(1)(a)				Procedure & Rescue Plan	
Codes	ORHVS	Legal Ref	Status			What to look for?	Actions & Comments
			Y	N	N/A		

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J	Copies of Valid ORHVS certificates and Authorizations if work is to be done in any Eskom HV yard, substation or servitude authorized by the GMR 2(1)					Copies of valid ORHVS certificates and Authorisations	
Codes	Principal Contractor to inform the client regarding use of contractors	Legal Ref	Status			What to look for?	Actions & Comments
			Y	N	N/A		
K1	Is the Principal Contractor using contractors?	32-136				List of contractors	
K2	Is the contractor’s H&S Plan approved by the Principal Contractor (Client)					Copy of contractor’s H&S plan , signed by the Principal Contractor	
Other SHE Specification Requirements							
% Compliance to SHE Specification		100% compliant					Below 100% compliant

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Function Representative	Name & Surname	Signature	Date	
Signature of Eskom SHE Officer				
Signature of Project Co-ordinator				
Signature of Principal Contractor Health and Safety Officer / Representative				


**(100% requirements met)** - The file is FULLY compliant in all respects and the contractor may access the site and commence work.

**(Less than 100% requirements met)** - The file is non-compliant – The contractor may not have access to site or commence work. The contractor must rectify the deviations as listed on the following page and the file is re-viewed and a new assessment form is completed achieving full compliant.

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 Eskom	Occupational Health and Safety Act: Section 37(2) Agreement - Form	Template Identifier	240-43921804	Rev	5
		Document Identifier	240-77037682	Rev	5
		Effective Date	May 2016		
		Review Date	December 2021		

## SECTION 37(2) AGREEMENT CONCLUDED BETWEEN

**Select the relevant entity**


(Hereinafter referred to as **Select the relevant entity**)

**AND**

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**(Name of contractor/supplier)**

I, .....[*name of contractor /supplier representative*] representing  
..... [*insert name of contractor/supplier*], do hereby acknowledge that  
..... [*insert name of contractor/supplier*] is an employer in his/her own right, with duties as  
prescribed in the Occupational Health and Safety Act No. 85 of 1993 ("the Act"), as amended, and agree to ensure that all work will be  
performed and/or machinery or plant used in accordance with the provisions of the Act.

I undertake that ..... [*insert name of contractor/supplier*] shall strictly adhere to, and ensure that  
his/her employees adhere to, the provisions of the Occupational Health and Safety Act, 1993 (Act 85 of 1993).


I have been provided with SHE specifications for project/service .....[*insert brief details of project/service, for  
example, name, contract/project number*] ..... and will comply with the requirements set out in these.

I accept and agree that the SHE specifications constitute arrangements and procedures between  
..... (*insert name of contractor/supplier*) and Select the relevant entity, which will ensure

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compliance by ..... [*insert name of contractor/supplier*] with the provisions of the Act, as contemplated in section 37(2) of the Act.

This agreement constitutes the sole agreement between the parties, and no variation, modification, or waiver of any of the provisions of this agreement or consent to any departure from these shall, in any manner, be of any force or effect, unless confirmed in writing and signed by both parties,

**Annotation: The document contains the minimum statutory requirements in terms of the OHS Act. Do not alter the clauses when entering requisite details in the spaces provided.**

and such variation, modification, waiver, or consent shall be effective only in the specific instance and for the specific purpose and to the extent for which it was made or given.


This agreement is signed on behalf of the parties, each signatory to this warranting that he/she has the requisite authority to do so.

Signed this ..... day of ..... 20 ..... at

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..... (Place)

(Full name)..... (Signature) .....on

behalf of ..... (supplier/contractor)

**Contractor Responsible Manager** (responsible for signing the **Select the relevant entity** contract on behalf of the contractor)

Witnesses


1. .... 2. ....

Signed this ..... day of .....20.....

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at ..... (Place)

(Full name)..... (Signature).....on

behalf of **Select the relevant entity**  
(Contracts and/or Project Manager or **Select the relevant entity** representative)

Witnesses

1. .... 2. ....


Annotation: The document contains the minimum statutory requirements in terms of the OHS Act. Do not alter the clauses when entering requisite details in the spaces provided.

	<b>Principal Contractor 5(1)(k)</b>	Template Identifier	240-43921804	Rev	5
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 Eskom	<b>2014 Construction Regulations Appointment Letter</b>	Document Identifier	240-64729708	Rev	6
		Effective Date	25 July 2016		
		Review Date	25 July 2021		

I, **(Name & Surname of the appointer)** the Choose an item. for **(Site name)** hereby appoint you **(Add Appointee Name & Surname)** being the Contractor's Representative for **Add full company Name as Principal Contractor** for **(Scope of work)** compliant to Construction Regulations 2014, Regulation 5(1)(k); to perform the following duties as prescribed by Construction Regulations 2014, Regulation 7(1) ; .


**Designated Functional Responsibilities and Authority**

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In particular you are required amongst others ; to ensure that –

- provide and demonstrate to the client sufficient documented Health and Safety Plan based on clients documented health and safety specification contemplated in regulation 5(1)b of CR 2014
- open and keep on site a health and safety file, which must include all documentation required in terms of the Act, which must be available on request to an inspector; the client, the client agent or a contractor;
- on appointing of any other contractor and ensure compliance with the provision of the Act as contemplated on regulation 7(1)c;
- ensure health and safety plan contemplated in paragraph (a) as well as contractors health and safety plan is available on request to an employee, inspector, a contractor ; the client or client's agent
- hand over a consolidated health and safety file to the client upon completion of the construction work;
- stop any contractor from performing a construction activity which poses a threat to the health and safety of persons and which is not in accordance with the client's health and safety specifications and the Contractor's Health and Safety Plan for the site.


You are required to report any deviations from the above-mentioned instructions to me.

You shall submit a written weekly report on all shortfalls that have not been met in terms of these regulations.

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This appointment is effective from **(Add Start Date Here)** until withdrawn by the Responsible Person.

.....

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Choose an item. Signature	Date
<div style="border: 1px solid black; padding: 2px; margin-bottom: 10px;">Acceptance of Designation</div> <p>I, <i>(Add Appointee Name Here)(Add Unique Number Here)</i>, hereby acknowledge and accept the above-mentioned appointment and declare that I am conversant with the relevant provisions of the Occupational Health and Safety Act No. 85 of 1993.</p> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p>.....</p> <p><b>Principal Contractor 5(1)(k)</b></p> </div> <div style="width: 45%;"> <p>.....</p> <p><b>Date</b></p> </div> </div>	

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### **Annexure B: SHE requirements for tender enquiries**

#### **1. The specific requirements that will be mandatory for informing the tenderer and the requirements that the tenderer has to address when submitting its tender returnables:**

**\*\*\* NOTE: the tenderer has to ensure that he/she understands the SHE requirements listed hereunder by participating in the clarification meetings arranged by Eskom.**

#### **1.1 Items for informing the tenderer:**


##### **1.1.1 ACKNOWLEDGEMENT FORM FOR ESKOM RULES & REQUIREMENTS**

1. The following documents contain requirements with which every person / vendor's staff members are expected to comply when working at/rendering a service to Eskom:
<ul style="list-style-type: none"> <li>a) Eskom Safety, Health, Environmental and Quality Policy: 32-727</li> <li>b) Eskom Cardinal Rules, Directive: 32-421</li> <li>c) Eskom Procedure on Smoking: 32-36</li> <li>d) Eskom Incident Management Procedure 32-95</li> </ul>
2. Work stoppages that are initiated due to SHE related shall not warrant any financial compensation claim lodged against Eskom.
3. Financial penalties shall be enforced on the main supplier for non-conformance/s (identified for the main vendor and/or its sub-contractor and/or supplier) pertaining to Eskom and/or Statutory SHE requirement/s.
4..Ensure that all employees (incl. subcontractors/suppliers) undergo the relevant Eskom induction
5. Management OF Subcontractors and Suppliers
<ul style="list-style-type: none"> <li>a) The main vendor has to demonstrate to Eskom the process and selection criteria applied when appointing subcontractors and suppliers.</li> <li>b) The main vendor has to provide notification to Eskom, prior to the appointment of subcontractors and suppliers for the commencement of work.</li> <li>c) The main vendor has to ensure that subcontractors and suppliers possess adequate resources and competencies.</li> <li>d) The main vendor is accountable for the management of its subcontractors and suppliers in order to ensure that the applicable legal and Eskom requirements (that are applicable to the main vendor during contract execution) are complied with by the subcontractors and the suppliers.</li> <li>e) The main vendor shall monitor subcontractors and suppliers through audits and assessments with regard to SHE compliance during the execution of work.</li> <li>f) The grounds for the termination of work done by subcontractors and suppliers shall be provided by the main vendor.</li> <li><b>g)</b> All non-conformances/non-compliance by the subcontractors/suppliers (all tiers) to the main vendor shall be dealt with directly with the main vendor in terms of performance and penalty processes.</li> </ul>
<b>Note: any other applicable BU-specific requirements should be referenced here.</b>

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I, the undersigned, hereby acknowledge that I have obtained copies of the above documents and confirm that I fully understand them and the consequences of non-compliance.

Signed at ..... on this ..... day of ..... 20.....

.....  
Signature of Contractor Manager

.....  
Signature of Contractor Supervisor

.....  
Name of Contractor

.....  
Date


Witness 1 .....

Witness 2 .....

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Behavioural Observation Form - Standard					
<b>Observer's Details</b>					
Name of Observer:			Date of Observation:		
Duration of Observation (min) :			Task Grading of Observer:		
Operation Unit:			Observer's Dept./Area:		
Dept. observed:			Location/Area/PS/Unit:		
<b>People Observed</b>		<b>Group Observed</b>			
Number of people observed:		Employee:		<b>Co-Observers</b>	
Number of people working safely:		Principal Contractor:		Co-Observer:	
		Sub-Contractor:		Co-Observer:	
Number of people working unsafely:		Visitor:		Co-Observer:	
<b>Type of activity Observed:</b>					
Safe behaviours and Safe Conditions Observed					
<b>Activity is:</b>	Safe	(If block is selected - describe safe behaviours and conditions in above block)			
	Unsafe	(If block is selected - Please identify the unsafe actions in the categories below)			
<b>Unsafe Categories</b>					
<b>PPE</b>		<b>Positions of People</b>		<b>Reactions of People</b>	
<input type="checkbox"/> Ears		<input type="checkbox"/> Striking against or getting struck by		<input type="checkbox"/> Adjust PPE	
<input type="checkbox"/> Eyes and face		<input type="checkbox"/> Caught in or between objects		<input type="checkbox"/> Change position	
<input type="checkbox"/> Feet and Legs		<input type="checkbox"/> Fall/could fall		<input type="checkbox"/> Rearrange job	
<input type="checkbox"/> Hands and Arms		<input type="checkbox"/> Contacting extreme temperatures		<input type="checkbox"/> Stop activity	
<input type="checkbox"/> Head		<input type="checkbox"/> Inhaling or swallowing hazardous substances		<b>Orderliness/Housekeeping</b>	
<input type="checkbox"/> Respiratory System		<input type="checkbox"/> Repetitive motion		<input type="checkbox"/> Not understood	
<input type="checkbox"/> Trunk		<input type="checkbox"/> Awkward positions		<input type="checkbox"/> Not known	
		<input type="checkbox"/> Electrical contact		<input type="checkbox"/> Not followed	
<b>Tools and Equipment</b>		<b>Procedures</b>			
<input type="checkbox"/> In bad, unsafe condition		<input type="checkbox"/> Not adequate		<input type="checkbox"/> Not followed	
<input type="checkbox"/> Not used correctly		<input type="checkbox"/> Not known		<input type="checkbox"/> Not understood	
<input type="checkbox"/> Wrong for job					
<b>Reasons for Unsafe Behaviours</b>					
the user to ensure it is in line with the authorised version on the system.					
<input type="checkbox"/> Not available		<input type="checkbox"/> Knowledge (training)			
<input type="checkbox"/> Unaware of risk		<input type="checkbox"/> Not practical			
<input type="checkbox"/> Uncomfortable		<input type="checkbox"/> Time pressure			
<input type="checkbox"/> Cost		<input type="checkbox"/> Unclear responsibility			
<input type="checkbox"/> Forgetting					
<b>Comments/Follow-up Actions:</b>					

Wh

No

bility rests with

Holdings SOC

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	<b>Annexure D:</b> <b>SHE Post-contract Reviews</b>	Document Identifier	240-77472561	Rev	1
		Authorisation Date	July 2014		
		Review Date	June 2019		

The objectives and outcome of the SHE post-contract review shall be reflected in any future contractual relationship with the supplier so that the supplier is aware of this exercise.

An evaluation will be conducted and will be supported by the objective evidence documented during the term of the contract and the supplier. The evaluation report must be filed in the contract documents.

The following criteria (but not limited to) shall be considered for the review

- Accident and injury data for the contract.
- SHE non-conformances.
- Duration and effectiveness in addressing and closing out SHE deficiencies/corrective actions.
- Legal compliance with SHE requirements.
- Number behavioural safety observations conducted by contract manager and the contractor supervisors.
- Close-out of Incident Investigations.
- No. of staff members (incl. subcontractors and suppliers) who contravened the Eskom Lifesaving rules.
- Prohibition and contravention notices issued by Department of Labour/Dept. of Mineral Resources notices, Department of Environmental affairs etc.
- Contributions and effort made to improve SHE performance
- Supplier (including sub-contractor) Total number of incidents:
  - Fatalities,
  - Lost-time injuries,
  - reportable incidents (Department of Labour/Department of Mineral Resources/Department Environmental affairs)
  - Environmental incidents and legal contraventions


The following matrix shall be used to assess the performance against the identified criteria. The OU/BU may add or remove KPI's to ensure practicality:

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**Post Contract Evaluation Report:**

Unacceptable	Satisfactory	Good	Exceptional
Comments:			
<b><u>Decision:</u></b> <b><u>Will this Supplier be Recommended for Future Work Within Eskom? Tick Applicable Column</u></b>			
Yes, With Reservations	Yes	No	
Substantiate the reasons for reservation (if applicable):			
Names and designations and contact details of persons that conducted the post contract review:			
<b>Administrative:</b> Performance record and evaluation data on this form have been completed by:			

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Unacceptable	Satisfactory	Good	Exceptional
Client representative: Name: _____ Title: _____ Signature: _____ Date: _____ Additional comments:			

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## **TASK OBSERVATION FORM**

<b>1</b>					
.					
	Task observer's name:..... Section / department: ..... Occupation:..... Date: ..... Time with task: .....		Task observed / Scope of work: ..... Location: ..... Is there a procedure for this task? <input type="checkbox"/> Procedure ref. no. .... Work order no. ....		
<b>2</b>	<b>REASON FOR OBSERVATION</b>				
.	Planned <input type="checkbox"/> Accident repeater <input type="checkbox"/> Experience worker <input type="checkbox"/> Risk taker <input type="checkbox"/> Follow-up <input type="checkbox"/> Name of employee/s being observed: ..... ..... .....				
<b>3</b>	<b>TASK OBSERVATION</b>				
.					
	Did employee adhere to the procedure/practice requirements?			Could observed practices / conditions lead to:	
		Yes	No		Yes
					No
	1. Failure to use PPE			1. Injury:	
	2. Ignore safety specifications			a) Risk of getting caught by	
	3. Tools equipment:			b) Risk of striking against/get struck by	
	a) used correctly			c) Risk of fall from same level	
	b) In good and safe condition			d) Risk of fall from different level	
	c) Test certificates valid and available			e) Risk of slip, trips and falls	
	4. Toolbox Talk:			2. Illness (fumes, gas, etc.)	
	a) Work instructions/task manuals used			3. Costs (delays)	
	5. Complete Worker's register			4. Poor quality (non-conformance)	
	6. Risk Assessment been done				

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7. Valid work permits available					
---------------------------------	--	--	--	--	--

<b>4</b>	<b>NON COMPLIANCE PRACTICES OBSERVATION</b>					
.						
		Yes	No		Yes	No
	1. Working at unsafe speed			7. Failure to warn		
	2. Using unsafe equipment			8. Taking chances		
	3. Using equipment unsafely			9. Failure to identify hazards		
	4. Unsafe loading, placing & lifting			10. Failure to secure lock-out		
	5. Taking unsafe position			11. Safety signs ignored		
	6. Safety rules ignored					
	<b>NOTE: ALL OBSERVED CLASS HAZARDS SHALL REQUIRE IMMEDIATE INTERVENTION</b>					
<b>5</b>	<b>OBSERVED DEVIATIONS / NON-CONFORMANCES</b>					
.						
<b>6</b>	<b>AT RISK BEHAVIOURS</b>					
.						
<b>7</b>	<b>PROPOSED CONTROLS</b>					
.						
	Compile a procedure for this task	<input type="checkbox"/>	Issue a standing instruction	<input type="checkbox"/>		
	Revise present procedure	<input type="checkbox"/>	Change work methods	<input type="checkbox"/>		
	Retraining of employees	<input type="checkbox"/>	Professional referral	<input type="checkbox"/>		
	Engineering revision	<input type="checkbox"/>	Coaching	<input type="checkbox"/>		

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<b>8 ANALYSIS</b>		
IAC – inadequate capability <input type="checkbox"/> KNO – lack of knowledge <input type="checkbox"/> SKI – lack of skill <input type="checkbox"/> STR – stress <input type="checkbox"/> MOT – improper motivation <input type="checkbox"/>	ABU – abuse or misuse / drugs or alcohol <input type="checkbox"/> NAT – natural factors <input type="checkbox"/> LEA – inadequate leadership <input type="checkbox"/> ENG – inadequate engineering <input type="checkbox"/> PUR – inadequate purchasing <input type="checkbox"/>	MAIN – inadequate maintenance <input type="checkbox"/> EQU – inadequate equipment <input type="checkbox"/> STA – inadequate work / train. Standards <input type="checkbox"/> WEA – wear & tear <input type="checkbox"/> CON – inadequate control <input type="checkbox"/>

<b>9.</b>	<b>DISCUSSION BETWEEN SUPERVISOR/OBSERVER AND EMPLOYEE</b>	
	<b>1. EMPLOYEE EXPLANATION FOR RISK BEHAVIOUR</b>	
	<b>2. AGREEMENT TO CHANGE AT RISK BEHAVIOUR</b>	
<b>10</b>	<b>FOLLOW-UP ACTION</b>	<b>WHEN / WHO</b>

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--	--	--

Person being Observed signature: \_\_\_\_\_ Date: \_\_\_\_\_

Signature (Task Observer): \_\_\_\_\_ Date: \_\_\_\_\_

Signature Chairperson Safety Committee: \_\_\_\_\_ Date: \_\_\_\_\_

(if deviations were found)

**NOTE 1: ALL PROPOSALS / REVISIONS MUST BE ATTACHED TO THIS REPORT**

**NOTE 2: THIS FORM SHOULD USED FOR UNPLANNED OBSERVATIONS CARRIED OUT ON NON CRITICAL TASKS**

	<b>CONTRACTOR SHE FILE HAND BACK RECORD</b>	Document Identifier	240-76755865	Rev	1
		Authorisation Date	01 March 2014		
		Review Date	January 2019		

**Delete not applicable**


\*Contract / Project : \_\_\_\_\_

\*Contract / Project Number: \_\_\_\_\_

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I, \_\_\_\_\_ in my capacity as \_\_\_\_\_,  
have received the SHE File for the above mentioned Contract / Project from:

#### Details of Contractor

Trading Name	
Company Registration Number	
Contact Person	
Contact Number	
Address	

#### The contents of the file include:


**Note:** member receiving to ✓ requirement for inclusion in file for project specific

Requirement	Minimum Requirement ✓	In file
All drawings, photographs, designs	✓	
Copy SHE policy	✓	
Copy Letter of Good Standing	✓	
Sect 16(2) Appointment	✓	
Project / Contract scope of work	✓	
Project / Contract SHE plan	✓	
Principal Contractor Appointment	✓	
H & S Representative appointment	✓	
Safety Officer appointment	✓	
Construction Notification application	✓	
Construction Work Permit approval	✓	
Approved copy of specific SHE plan	✓	

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Project Organisational Organogram	✓	
Breakdown for costing for SHE	✓	
Scope of Work	✓	
Competency Training records	✓	
Incident investigation records	✓	
Base Line Risk Assessments	✓	
Fall protection plan	✓	
Medical Certificates	✓	
Emergency Management plans	✓	
Fire Risk Management plans	✓	
First Aid Management	✓	
SHE Communication System	✓	
Pre start job assessment / talk	✓	
Relevant Equipment check lists	✓	
Audit reports		
•		
•		
•		
•		
•		
•		
•		

- Assessor to add additional project / contract specific requirements

Comments by member receiving file:

---



---



---



---


**SHE File handed in by:**

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Name: \_\_\_\_\_ Signed: \_\_\_\_\_

Date of Handover: \_\_\_\_\_

SHE File received by:


Name: \_\_\_\_\_ Signed: \_\_\_\_\_

Date Receiving: \_\_\_\_\_

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## ANNEXURE 16A - PRE-TASK PLANNING FORM

(Informative)

Note: This form is a minimum guideline to be completed in addition to the pre-task risk assessment.


More complex tasks require a more comprehensive plan.

Scope of Work (including the place and area):			
Work/Task order number:	Team leader name:		Date:
DOCUMENTS & RESOURCE ALLOCATION	Yes	No	COMMENT Note: Mark N/A if the item is not applicable,
1 . 1 Personnel: Confirm that the correct people are assigned. NOTE: Expand this list as may be necessary, with full name and assigned role.			
•			
•			
•			
•			
•			
•			
1.2 List the reference documents needed:			
1 .2.1 Baseline Risk Assessment / Safe Work Procedures / Task Manuals / Work Instructions.			
•			
•			
•			

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•			
•			
•			
•			
1.2.2 Diagrams (e.g., line or substation if needed).			
1.2.3 Other relevant documents, standards and procedures.			
1.3 Travel Route Risk Assessment in place.			
1.4 The appropriate vehicle(s) identified. (E.g., specialised construction vehicles or machinery)			
1.5 A serviced first aid box, and an appointed First Aider are available.			
1.6 A serviced fire extinguisher is available.			
1.7 The appropriate tools/equipment are identified and in a serviceable condition.			
1.8 PPE (as per the Scope of Work).			
1.9 Safety equipment (other than already mentioned) is available.			
1.10 Correct spares identified and available.			
1.11 Correct materials identified and available.			
1.12 Emergency contact numbers NB: ER24 - 084 124 or 010 205 3400.			

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NOTE: The caller must identify as an Eskom employee or Eskom contractor.					
1 .12.1 Hospital Tel. No.:					
1 .12.2 Police Tel. No.:					
1 .12.3 Security Tel. No.:					
1 .12.4 Traffic Dept, Tel. No.:					
1.12.5 Other Tel. No..					
1,13 Are the following exceptions considered if applicable:					
1.13.1 Unexpected or planned load-shedding / load-reduction.					
1 13.2 Risk of back-feeding onto the Eskom network by customers.					
1.13.3 Cross-border operating between internal sections/BUs.					
<hr/> <div>PRINT      NAME</div> <div>Team leader</div>		<hr/> <div>SIGNATURE</div> <div>Team leader</div>		<hr/> <div>DATE</div>	

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## ANNEXURE 16B - ON-SITE RISK ASSESSMENT / WORKERS REGISTER

(Informative)

Note 1: Ensure compliance with the minimum requirements as set out in this document. Information may be added, not removed.

Note 2: This Annexure B form only applies to the non-live work environment.

### A: Declaration

Scope of Work'.	
Work/Task Order Number:	Work Permit Number: NOTE: mere applicable
Task Manual(s) Number(s): NOTE: Where applicable	

### B: Risk Assessment


NOTE: Expand this list as may be necessary.

Identified Hazards	Associated Risks	Steps To be Taken to Minimise the Risk

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#### C: Workers Register

The above hazards and the steps taken to minimise the risks have been explained to me. We confirm our participation in the risk assessment and commit to ongoing and continuous risk assessment.


D:

Name (print)	Unique Number	Role	Sign On / working	Sign off / Withdrawn

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#### D: Declaration

I hereby confirm that the Scope of Work, all necessary precautions, special conditions, hazards involved and the Procedure for Employees' Right of Refusal to Work in an Unsafe Condition Procedure have been explained to, and are understood by, all team members as registered below.	
TEAM LEADER PRINT NAME:	SIGNED:
UNIQUE NUMBER:	DATE:

#### E: Withdrawal

I confirm that all workers involved in the above-mentioned work have been withdrawn, informed that it is no longer safe to work and that the permit to work will be cleared and a debriefing session held.			
PRINT NAME AUTHORISED/RESPONSIBLE PERSON	SIGNATURE	DATE	TIME

#### F: Debriefing



  

PRINT NAME AUTHORISED/RESPONSIBLE PERSON	SIGNATURE	DATE	TIME

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