

## **Health, Safety and Environmental Specification for Medupi Power Station**

Dear Contractor,

The health and safety of employees and contractors is of paramount importance within Eskom. This is a safety, health and environmental specification, specific to this project, which details the necessary information and requirements that you and your sub/co-contractors (that you intend to use) are required to be aware of and to provide in the form of a document called the "Safety, Health and Environmental plan", in your returnable, which would then be evaluated by Eskom.

If your tender is successful, your Safety, Health and Environmental Plan would then be discussed and approved by Eskom Project Manager. You and your sub/co-contractors shall be required to adhere to requirements in your approved Safety, Health and Environmental plan and any additional ad-hoc requirements that the project manager may request during the project phase. No work shall commence if the Safety, Health and Environmental Plan is not approved.

The Safety, Health and Environmental specification contains requirements from the Construction Regulations, from the Occupational Health and Safety No. 85 of 1993, and Eskom specific requirements.

### **Omissions from this Safety, Health and Environmental Specification:**

By compiling this Safety, Health and Environmental Specification Eskom has endeavoured to address the most critical aspects relating to Safety, Health and Environmental issues in order to assist the contractor in adequately providing for the health and safety of employees on site. Should Eskom not have addressed all health and safety aspects pertaining to the work that is tendered for, the contractor needs to include it in the Safety, Health and Environmental Plan and inform Eskom of such issues when submitting the tender.

When compiling your Safety, Health and Environmental plan, make reference to the number or question, under the section heading "List of Information required and Requirements that need to be adhered to", so as to allow for easy cross referencing.

### **List of Information Required and Requirements that Need to be Adhered To:**

1. List the names of your sub/co-contractors that you will be using or intending to utilise on this project.

If, at this stage when compiling your Safety, Health and Environmental plan you have not any intention of appointing sub/co-contractors, then indicate so. But, during the project phase, if you then, decide to appoint sub/co-

contractors, you would have to indicate it to the Eskom project manager first before appointing. You would then be required to review your Safety, Health and Environmental plan and include the necessary information that your newly appointed sub/co-contractors as per this Safety, Health and Environmental specifications.

2. Acknowledgement that your company and any sub/co-contractors, that you may appoint on this project, is aware of and shall comply with the requirements of the Construction Regulations, and the other regulations and sections, as promulgated, by the Occupational Health and Safety Act No.85 of 1993, and, including the requirements contained in this Safety, Health and Environmental Specification and your approved Safety, Health and Environmental Plan and any additional ad-hoc requirements and/or information that the project manager may request and/or provide during the project phase. No work shall commence if the Health and Safety Plan is not approved.
3. A copy of your Health and Safety Plan must be available at all times on request, on project site. This plan would be audited.
4. Proof of “Notification of Construction Work” to Department of Labour.
5. Proof of registration and in good standing with the compensation fund or with a licensed compensation insurer for your company and each of your sub/co-contractors’. This must remain valid for the period that you and your sub/co-contractors are appointed for, for this project.
6. Provide detailed provision for the cost of Safety, Health, and Environmental measures during construction work (example: health and safety training; personal protective equipment; etc.).
7. Provide details on: the necessary competencies (for every employee in your company including employees of your sub/co-contractors that will be working on this project) and the resources to carry out the work safely and in a manner to ensure duty of care to the environment.
8. **Information that Contractors need to be aware of and address in their Health and Safety Plan: Project Site Specific Health and Safety Hazards**

Project Alpha is a large, multi-disciplinary construction project where site conditions are subject to rapid and continuous change. To compensate for this situation and ensure that contractors are aware of relevant site conditions, Site Condition Bulletins will be issued to define current site conditions. Initial issue frequency is one week, but this may be changed when

change conditions are more rapid. Anticipated changes in the issue frequency will be communicated via Site Condition Bulletin prior to the change.

It is the contractor's responsibility to ensure that his Health and Safety Plan reflects conditions stated in the latest Site Condition Bulletin.

The contractor shall, at all times, have a current Site Conditions Bulletin on his Site Health and Safety file, and shall demonstrate that the conditions described in the current Site Conditions Bulletin have been considered in his Risk Assessment, Method Statements, working methods and operational arrangements.

Contractor's staff must be made aware of the latest changes to the Site and to the Health and Safety plan, as an update to their induction. This must be recorded in an appropriate register.

9. Provide details as to how you would manage your sub/co-contractors (even if you intend appointing them later in the project phase) with regard to ensuring co-operation between all sub/co-contractors to enable them to comply with all the requirements as specified in point 2 above.
10. Any person can report unsafe and/or unhealthy practices or which poses a threat to the environment, to the Eskom project manager. The respective principal contractor is to ensure that corrective training to be given to the person/s involved. Record to be kept of the circumstances giving rise to the stoppage and the actions taken and any corrective measures that were implemented.
11. Eskom has a right to stop any contractor from executing construction work, which is not in accordance the principal contractor's health and safety plan or which poses a threat to the health and safety of persons.

## 12. Eskom requirement: Health and Safety Staffing

### 12.1 Number of Health and Safety Practitioners

When on site for more than two weeks the following shall apply:

- 12.1.1 one trained Health and Safety Representative for every 10 employees or part thereof;
- 12.1.2 one Health and Safety practitioner for every 50 persons on site or part thereof. Part time Health and Safety practitioners shall be allowed based on the risk profile and the type of work to be done - this shall be negotiated;

12.1.3 one first aider trained to Level 2 per team of workers. The size of the team of workers shall be determined by the risk exposure and the nature of the work.

## 12.2 Competency Requirements of Key Personnel

12.2.1 Curriculum Vitae, training certificates and proof of experience of key Health and Safety Personnel shall be submitted with the Health and Safety Plan.

12.2.2 Health and Safety Competency assessments may be conducted by Eskom on Health and Safety practitioners before site establishment.

12.2.3 The training requirements of key health and safety personnel shall include, but will not be limited to, the following:

### 12.2.3.1 Construction Supervisor (C.R 6.1 appointee)

- Three years applicable experience in construction management
- Risk Assessment training
- Incident investigation and root cause analysis
- Occupational Health and Safety Act orientation course
- Training in the Construction Regulations

### 12.2.3.2 Health and Safety Practitioner (C.R 6.6 appointee)

- Three years applicable experience in managing construction health and safety.
- Health & Safety Risk Management
- Risk Assessment training
- Incident investigation and root cause analysis
- OHS Act orientation course
- Training in the Construction Regulations
- Emergency Preparedness coordination training and experience

### 12.2.3.3 Team Leader/Supervisor

- Attended an accredited supervisors health and safety course
- Risk Assessment training
- Incident investigation training
- Root cause analysis training

- Introduction to the OHS Act

#### **12.2.3.4 Health and Safety Representatives**

- Accredited Health and Safety Representative Training
- Hazard identification and Risk assessment
- General health and safety training

#### **12.2.3.5 First - Aiders**

Contractors are required to provide proof that:

- All First - Aiders are in possession of a valid level 2 first aid certificate from an accredited first aid training service provider
- Risk specific training is included in the initial training, which is based on the incidents most likely to occur on this project site.
- First - Aiders attend at least 2 hours of supervised practice training per month which shall be based on potential site incident risks

**13.** Provide the following appointment letters and proof of each appointees' competency (where certain appointments are not applicable – provide an explanation as to why):

- 13.1 Construction Supervisor – as specified in terms of Construction Regulations, Regulation 6(1).
- 13.2 Assistant Construction Supervisor/s – as specified in terms of Construction Regulations, Regulation 6(2).
- 13.3 Health and Safety practitioner – as specified in terms of Construction Regulations, Regulation 6(6).
- 13.4 Responsible person for the preparation of the fall protection plan – as specified in terms of Construction Regulations, Regulation 8(1) (a).
- 13.5 Supervisor for Formwork and Support work Operations – as specified in terms of Construction Regulations, Regulation 10(a).
- 13.6 Supervisor for Excavation work – as specified in terms of Construction Regulations, Regulation 11(1).
- 13.7 Supervisor for Demolition work – as specified in terms of Construction Regulations, Regulation 12(1).
- 13.8 Supervisor for Scaffolding work Operations – as specified in terms of Construction Regulations, Regulation 14(2).
- 13.9 Supervisor for Suspended Platform work Operations – as specified in terms of Construction Regulations, Regulation 15(1).
- 13.10 Daily Inspector for Material Hoists – as specified in terms of Construction Regulations, Regulation 17 (8) (a).
- 13.11 Operator and Supervisor for Batch plants – as specified in terms of Construction Regulations, Regulation 18(2).

- 13.12 Daily Inspector for Construction Vehicles and Mobile Plant – as specified in terms of Construction Regulations, Regulation 21 (1) (j).
- 13.13 Controller of all temporary electrical installations – as specified in terms of Construction Regulations, Regulation 22(e).
- 13.14 Supervisor for all Stacking and Storage on the project site – as specified in terms of Construction Regulations, Regulation 22(a).

**14.** When there are changes in any phase of the construction project and/or amendments with regards to Eskom rules and regulations and/or legislative amendments, then the Eskom Project Manager shall review the affected parts/sections of the S.H.E specification and/or provide sufficient S.H.E information to the principal contractor. The principal contractor shall then revise the relevant sections in the S.H.E plan to accommodate the changes so that work can be carried out safely and in minimising negative impacts to the environment. The Eskom project manager then needs to ensure that the revised provisions in the plan are adequate and must approve it.

**15.** Monthly Health & Safety Statistics that needs to be reported to the Eskom Project Manager:

- The name of sub/co-contractors appointed; & per sub/co-contractor the following information is required:
  - Number of contractors
  - Actual Man-hours worked (contractors)
  - Number of first aid, medical & disabling incidents
  - Number of near miss incidents

## **16. Conditions of Work:**

### **16.2 Housekeeping**

Contractors shall institute a housekeeping program to ensure that a work site is clean and safe before work commences, during work, and after work has been completed.

### **16.2 Working after Normal Working Hours**

Contractors shall notify their Eskom Supervisor/s 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.

## 16.3 Manpower Status

Contractors shall provide Eskom with a list of employees who will work on the site prior to site establishment. This list shall be updated and submitted to Eskom in writing as soon as the manpower status changes.

## 16.4 Changes in Working Conditions

The Eskom Project Manager may make amendments to the Health and Safety Specification to address Health and Safety matters of concern that arises during the project execution.

The contractor shall amend his Health and Safety Plan accordingly. Time lines to implement changes shall be risk based and shall be agreed upon between the parties in writing.

## 16.5 Permit to Work System

Contractors shall adhere to the approved Eskom Permit to Work System. If the type of work requires it, contractors shall be trained, competence assessed and authorised in writing to perform the duties of an authorised or responsible person as contemplated in the Eskom regulations, where applicable, e.g.

- Operating Regulations for High Voltage Systems
- Plant Safety Regulations
- Pulverised Fuel Firing regulations
- Hot work
- Radiation

## 17. Health and Wellness

### 17.1 Health Management

#### First Aid Facilities

Contractors shall have one first aid box for every 50 persons on site or part thereof. More first aid boxes shall be provided if the risks, distance between work teams or workplace requirements require it.

#### Emergency Care

Minor first aid treatment shall be provided by the contractor. The contractor shall negotiate with a medical centre to provide assistance in the event of serious or life threatening injuries during normal working hours. Alternative arrangements shall be made for possible incidents occurring after normal working hours.

Where services are not available from the medical centre or where there is no medical centre, alternative arrangements shall be made.

### 17.2 Employee Health and Wellness Programme

Contractors shall submit details of their Employee Health and Wellness Programme as part of their Health and Safety Plan which should include a

Medical Surveillance Program and an Employee Assistance Program as detailed below.

## **Medical Surveillance Programme**

All contractor personnel shall be registered on a medical surveillance program and shall be in possession of a valid medical certificate of fitness that is relevant to the type of work (risk based) that the employee will be conducting. The certificate shall be issued before commencement of work and shall be presented at induction. The certificate shall be renewed annually until completion of the project at which stage an exit medical examination shall be conducted. All employees shall be issued with the required medical records to prove medical status at the time of exiting the construction project.

Contractors shall provide a documented process for managing those employees who are issued with a conditional certificate of fitness. In instances where leave is taken for a period of one week or more, the contractor shall institute an arrangement that employees need to sign a declaration indicating any illness or injuries which occurred in the period of absence.

## **Employee Assistance Programs**

Eskom shall not provide assistance to contractor employees who require employee assistance interventions e.g. counselling.

### **17.3 Medical Waste Removal**

Eskom will provide medical waste bags that shall be kept in the contractor's first aid boxes.

All used medical waste bags shall be handed in at the agreed Eskom approved facility as soon as possible after an incident.

## **18. Risk Management**

### **18.1 Contractor Risk Assessment Process**

The risk assessment process shall include:

- a) an evaluation of the method of the work to be conducted
- b) the method statement on the procedure to be followed in performing the task shall be developed
- c) the risk assessment will also include activities like:
  - Transportation of passengers and goods to and from site
  - Site establishment
  - Physical and mental capabilities of employees
  - Others as may be specified.
- d) the job specific hazards
- e) a review plan for risk assessments shall provide for:
  - the quarterly review of all applicable risk assessments



- the review of an assessment if there is reason to believe that the previous assessment is no longer valid, or there has been a change in a process, work methods, equipment or procedures and working conditions
- risk assessment/s to be reviewed if the outcome of incident investigations, and audits etc. requires such action.

A pre - task risk assessment shall be conducted in writing on every task and be facilitated by the team leader.

All risk assessments and pre-task risk assessments shall be filed and be available on site.

## 18.2 Risk Profile

All contractors shall submit a risk profile of the work to be conducted with their Health and Safety Plan.

## 18.3 Risk Based Inspection Program

The inspection programme shall be risk based. The inspection plan shall form part of the Health and Safety Plan.

## 18.4 Incident Investigations

All near misses and first aid incidents shall be investigated by the contractor. The results of the investigations shall be submitted to the CED Project Manager.

All medical, lost time and fatality incidents shall be investigated using an approved methodology that identifies root causes. A designated Eskom representative shall be present at such investigations.

## 18.5 Reporting of Near-Misses

Eskom views the reporting of near misses as a critical component in creating a positive health and safety awareness culture on site. Eskom retains the right to enforce the reporting of near misses within 24 hours of occurrence.

## 19. Health and Safety Communication

Each meeting conducted on site shall include health and safety as a discussion point and minutes of

these meetings shall be available on site at all times.

Attendance lists shall be kept for all the health and safety meetings.

**The following health and safety communication arrangements need to be reviewed by the Project Manager.**

### a) Project Executive Health and Safety Meeting

Chairman: Eskom Project Manager

Frequency: Monthly

Attendees:

Contractors: All Project Managers  
Senior Supervisors  
Statutory Health and Safety Representative  
Eskom: All Project Managers  
Contract Supervisors  
Safety practitioners  
Statutory Health and Safety Representatives

**b) Area Specific Health and Safety Meeting**

Chairman: Eskom Safety Officer

Frequency: Weekly

Attendees: Contractors Safety Officers for contractors working in that area.

**c) Progress Meeting**

Chairman: Eskom Project Manager

Frequency: Weekly

Attendees:

Contractors All Project Managers  
Eskom All Project Managers

**d) HV Yard progress meeting (If applicable)**

Chairman: Project manager HV Yard

Frequency: Monthly

Attendees:

Contractors All Project Managers HV  
Eskom All Project Managers MWP  
Eskom Site Safety Officer  
Eskom Transmission All Project Managers

**e) General Walk Down**

Chairman: Project Managers

Frequency: Weekly

Attendees:

Contractors All Safety Officers  
Eskom All Project Supervisors and Safety Officers

**f) Toolbox talks**

Toolbox talks shall be conducted by all contractors on a daily basis to re-enforce health and safety issues pertaining to the site. The topic contents shall be in writing.

## 20. Physical Health and Safety Arrangements

### 20.1 Waste Management

Contractors shall comply with the Eskom site requirements for waste management. Eskom will provide the necessary waste disposal facilities in accordance with approved Eskom requirements which shall be handed over at the inaugural meeting.

### 20.2 Facilities

The site establishment plan shall make provision for:

#### a) Dining room facilities

The contractor shall make provision for adequate dining room facilities for his employees on site.

#### b) Change rooms

The contractor shall make provision for adequate change rooms for his employees on site.

#### c) Ablution facilities

The contractor shall make provision for adequate ablution facilities for his employees on site.

These facilities shall be maintained by the contractor.

### 20.3 Smoking Areas

Designated smoking areas shall be established by Eskom.

### 20.4 Drinking Water Facilities

The provision of drinking water facilities shall be negotiated between the Contractor and Eskom.

### 20.5 Equipment Compliance Certificates

Before equipment is brought on site valid certificates of compliance issued by a competent person shall be presented. The equipment includes but shall not be limited to:

- lifting equipment and lifting tackle
- power driven machinery
- electrical equipment
- testing and monitoring equipment

### 20.6 Barricading

All barricading shall be of the rigid type unless the use of non rigid barricading has been approved in writing by the Eskom Project Manager. The contractors'

barricading standard shall be included in the Health and Safety Plan. Where more than one contractor is working on a site, the fixed barricading shall be clearly marked with the company's name, site contact person as well as the contact number/s.

## **20.7 Erection of Structures for Logistic Support**

Prior to site establishment Eskom shall approve the contractor's site plan. Eskom shall approve all structures erected for logistical support by the contractor. These structures include fences, workshops, tool sheds, offices, ablution facilities, etc.

## **20.8 Salvage Yard Management**

Depending on the site specific arrangements and procedures, Eskom may provide the salvage yard and the resources to manage it. The salvage yard management shall conform to safety, health and environmental requirements. The contractors are required to move the equipment from the place of work to the salvage yard.

## **20.9 Fall Arrest and Prevention Equipment**

A fall protection plan is to be compiled if there work to be conducted at elevated heights. Approved fall prevention equipment shall be used at heights of less than 2.0 metres. Above heights of 2.0 metres fall prevention equipment shall include fall arrest equipment. Users of fall arrest equipment shall, amongst other things be trained in what an appropriate load bearing point is for connecting fall prevention equipment. Any deviation from this requirement shall be negotiated and agreed with Eskom in writing.

## **20.10 Hazardous Chemical Substances Waste Removal**

Eskom shall provide a facility to collect all hazardous chemical waste material. The contractor shall provide adequately marked and sealable containers to transport the hazardous chemical waste from the source to the approved Eskom disposal point.

## **20.11 Personal Protective Equipment (PPE)**

Personal protective equipment issued shall be specific to the risks associated with the work to be performed and specific to conditions on site and shall comply with South African National Standards (SANS) or similar.

## **21. Access to Site**

### **21.1 Access Control**

Access control shall be enforced by Eskom according to the site procedures.

### **21.2 Induction Training**

Different tiers of induction training shall be provided which shall be risk based. Induction training shall be valid for one year and should be given to all employees at least once a year:

## a) General Induction

All contractors and persons working on site shall attend the full general induction provided by Eskom before an access permit shall be issued. The project general induction will not replace the contractors own compulsory induction training.

No person shall be allowed to attend the project induction training if a valid certificate of medical fitness cannot be provided.

All persons that received induction training will carry proof of such induction on his person at all times when at work on site.

## b) Contractors Internal Specific Induction Training

All contractors shall have a well-documented induction syllabus. A competent person shall be

appointed in writing to perform the induction training. The induction material shall be reviewed quarterly or when the risk assessment is reviewed. An attendance register shall include the date of training and the names and signatures of all trainees. The training register shall be kept on site and be available for inspection at all times.

## 21.3 Employee Identification

Contractors shall ensure that their employees bear the following unique identification markings:

### a) On overalls

- Name of company
- Arm band to identify team leaders/supervisors (Colour – Neon Green)

### b) On hard hats

- Name of employee
- Company name and/or logo

## 22. Health and Safety Performance Measurement

### 22.1 Contractor Health and Safety Performance Evaluation

Eskom shall evaluate contractor health and safety performance on an ongoing basis against the Eskom requirements. The implementation of the Health and Safety Plan shall be assessed by conducting a systems and physical conditions evaluation. Eskom reserves the right to conduct unannounced audits on contractors.

### 22.2 Internal Audits

Contractors are required to conduct internal audits on the implementation of their Health and Safety Plan on a three monthly basis or when the scope of work changes. The first audit is to be conducted one month after site establishment. A summary of the findings and the proposed corrective actions shall be submitted

to Eskom's site management on the last day of the audit. The report shall be submitted within two weeks after completion of the audit.

### **22.3 Third Party Legal Compliance Verification Audits**

Contractors are required to have a third party legal compliance verification audits to be conducted on the site activities. These audits shall:

- be conducted on a six monthly basis;
- the first audit is to be conducted three months after site establishment;
- a summary of the findings and the proposed corrective actions shall be submitted to Eskom's site management on the last day of the audit, and
- the written report shall be submitted within two weeks after the completion of the audit.

### **22.4 Health and Safety Plan Audits**

The monthly audits conducted by Eskom on the principal contractor/s shall be attended by the contractor's site manager. An audit schedule shall be concluded at the inaugural site meeting.

### **22.3 Emergency Preparedness and Response Plan**

Contractors shall make suitable arrangements for emergency preparedness and response that is aligned with the Eskom emergency preparedness and response plan and this shall be in line with the risk profile of the work undertaken by the contractor.

### **22.4 Training in the Health and Safety Plan**

Contractors are required to train all employees on site in the requirements of the contractors' Health and Safety Plan and provide a record of training at the contract inaugural meeting. Proof of training shall also be provided whenever the Health and Safety Plan is subsequently revised.

### **23. Health and Safety Past Performance**

The following information regarding the contractor's past performance in safety shall be submitted with the tender documentation:

For the past calendar year state the following:

- a) Disabling Injury Incident Rate (DIIR) (or other)
- b) Number of lost work time injuries (OHS Act Section 24(a) incidents including Occupational Diseases)
- c) Number of cases with medical attention only
- d) Number of fatalities. Provide details.
- e) Employee hours worked (used in the calculation of the DIIR)

Other information required:

- a) Trend for the DIIR (or other) figure over five years.
- b) Has any work or activity been stopped due to safety, and/or health and/or environmental considerations? Provide details.
- c) Has access been denied to work on any site due to health and safety reasons? Provide details.

Note: Eskom may request to have insight in any supporting documentation regarding any of the above.

**24.** Provide details on your alcohol & substance abuse programme.

**25.** Provide details on your emergency planning programme.

**26.** You would need to have a Safety, Health & Environmental file in which you keep record of this specification & your safety, health & environmental plan. All information required in the specification & plan, for the duration of your contract, is to be recorded in the file.

You would also record on the file:

- Information about removal or dismantling of installed plant and equipment
- H&S information about equipment needing cleaning and maintenance, for future purposes
- Nature, location and markings of services
- As-built drawings

The file to be kept on site & is to be available on request for audit & inspection purposes.

## **ENVIRONMENTAL COMPLIANCE FOR WORK DONE ON ENTERPRISES DIVISION SITES BY CONTRACTORS**

The following criteria need to be complied with by any Contractor before performing work.

### 1. Spillage of Hazardous substances

A register of Hazardous Substances and Material Safety Data Sheet should be kept on site. No diesel, oil or any other hazardous chemicals, cement, building waste, etc. to be spilt or left on the ground. Where spilt, the responsible Contractor must apply the necessary bio-remediants (as agreed with the environmental advisor) to clean up and rehabilitate the affected area. All incidents to be reported to the project leader and / or environmental advisor within 24 hours. Spills not attended to will be cleaned by ENTERPRISES DIVISION at the cost of the polluter.

## 2. Fire hazard

The Contractor shall ensure that staff are educated in fire prevention and will be held responsible to avoid the risk of fire. No area is to be denuded of vegetation to create firebreaks, to prevent or make fires. No open fires are allowed on site. Ensure compliance with statutory requirements.

## 3. Waste

A waste plan is to be compiled before commencing of work. No waste, whether it be biodegradable or not, is to be left on site once work has ended. Domestic and hazardous waste generated will not be burned, buried, or disposed of on ENTERPRISES DIVISION or other Landowners' property but will be controlled and removed to a registered waste site on a regular basis. (Daily / Weekly). Keep record of disposal.

Contractors to ensure sufficient waste bins / containers are made available for waste control.

## 4. Material requirement

The use of any material or property belonging to the Landowner is to be by prior arrangement with the applicable Landowner only and recorded in writing. Proof of such agreement to be handed to project leader / co-coordinator for record keeping.

## 5. Dust and Noise

The Contractor shall monitor dust and noise caused by mobile equipment, generators and other equipment during construction. Factors such as wind can often affect the intensity to which these impacts are experienced.

Mitigation measures to be implemented as required / agreed upon with the project leader / environmental advisor.

## 6. Environmental Incidents

All environmental incidents such as pollution, bird kills, animals killed, plants destroyed, public complaints etc. to be reported to project leader and / or environmental advisor.

The Contractor will be held liable for any infringement of statutory requirements of the Environmental Conservation Act, No 73 of 1989, or any other act of parliament.



## 7. Herbicide usage

Herbicide register for usage to be compiled and maintained, and a copy handed to the project leader / environmental advisor on completion of the project / contract. The application of herbicides to be in accordance with the Fertilizers, Farm Feeds, Agricultural Remedies and Stock Remedies Act No. 36 of 1947. Only approved and tested herbicides with a low environmental risk shall be used. Only registered pest control operators may apply herbicides on a commercial basis. All staff applying herbicides to be trained in the application of herbicides.

## 8. Water

Ensure no water pollution due to construction activities taking place. Water usage on site to be verified with the substations/powerstations responsible person, the project leader / environmental advisor to ensure compliance with legislation. Bore hole water to be verified for human consumption fitness. All incidents related to water contamination to be reported within 24 hours.

## 9. Signing off of contract

No project to be signed off before Business Unit or Department has assured that no environmental liabilities exist. The responsible person, project leader or environmental advisor shall carry out a physical inspection before acceptance of work done.

No invoice to be processed before work is accepted.

Compiled By:

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Kajal Mansingh – C.E.D.: Safety, Health and Environmental Manager

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Zoe Ngamlana – ED: Assurance & IRM: Senior Environmental Advisor

Approved By:

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– C.E.D.: Project Manager



# Project Alpha



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**For Internal Use Only:**

**References:**

1. Occupational Health & Safety Act, No. 85 of 1993
2. **Minimum Requirements for a Health and Safety Specification** – Ref. No.: NST0042