

ENVIRONMENTAL PRESENTATION CRITERIA

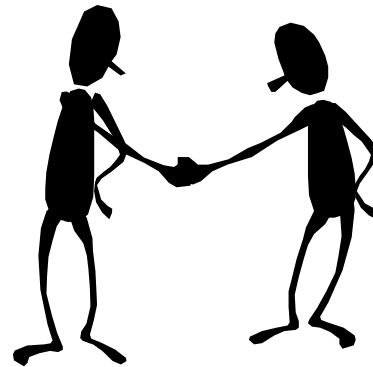
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1. ACKNOWLEDGEMENT OF ESKOM'S SHE RULES AND REQUIREMENTS

- **Pre-requisite**
- Is the acknowledgement of Eskom's SHE rules and requirements form (Annexure B) signed and a copy thereof attached to this tender submissions by the tenderer?
- Duplicate copy **MUST** be added to the Environmental Tender submission



2. ENVIRONMENTAL MANAGEMENT PLAN (EMP)



- An EMP should ideally be linked with the PROJECT SCOPE & **ASPECTS** identified in the Aspects and Impacts register.
- EMP should be comprehensive and inclusive of site elements likely to interact with the environment; It should address how environmental **IMPACTS** resulting from **TASK-RELATED ACTIVITIES** will be managed and mitigated.

1. A WMP should include:
 - The contractor's detailed **DESCRIPTION** of the different waste streams expected during the **RELATED PROJECT/SCOPE**;
 - How this waste will be **STORED, TRANSPORTED AND DISPOSED OF**;
 - The WMP should also deal with the contractor's **PREVENTION OF POLLUTION, LITTERING AND WASTE MINIMIZATION METHODS SUCH AS REUSE, RECYCLE AND REDUCE**



- Contractor to document the method of ensuring environmental Induction and Training will be handled
- This documented procedure can include internal & external environmental induction & training
- Thorough consideration must be given when developing a company specific training needs analysis & matrix



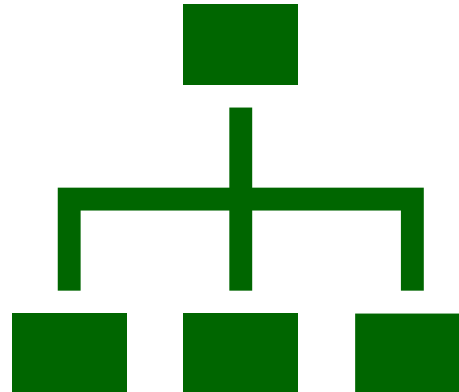
1. The requirement is for a procedure for the management of environmental incidents.
2. This includes the following, but not limited:
 - **REPORTING PERIOD;**
 - **REPORTING CHAINS;**
 - **CAPTURING OF INCIDENTS;**
 - **IMMEDIATE & CORRECTIVE ACTIONS;**
 - **KEY LESSONS LEARNED.**

This registers is in tabular format with the following fields: Description of incident, date of incident, reported to, actions taken and status of recommendations

1. Procedure listing POTENTIAL ENVIRONMENTAL EMERGENCIES that could occur e.g. hazardous chemical spillages, air pollution incidents, encounters with bees and snakes
2. ENVIRONMENTAL EMERGENCIES DO NOT INCLUDE HURRICANES, TORNADOES, BLIZZARDS, EARTHQUAKES
3. The procedure needs to also deal with HOW TO RESPOND to such situations. The plan must be practical and INCLUDE INFORMATION SUCH AS REPORTING CHAINS AND CLEAN UP METHODS.

1. The organogram **MUST** include any of the following:

- Environmental Manager/Officer **OR**
- SHE(Q) Manager/Officer (with the assumption that the E- is for environment)



Method statements related to activities that have significant environmental impacts (methodology and approach) illustrating how environmental impacts and risks are managed. Generic EMP 240-71555378

3.1	Physical Environment
3.1.1	Air quality: Dust and Fire Breaks
3.1.2	Erosion
3.1.3	Littering
3.1.4	Maintenance of Access roads
3.1.5	Access & Damage to Properties
3.1.6	Maintenance of Vehicles
3.1.7	Water Quality
3.1.8	Wet Areas
3.2	Biological Environment
3.2.1	Fauna
3.2.2	Flora
3.3	Social Environment
3.3.1	Interaction with Landowners
3.3.2	Graveyards
3.3.3	Monuments
3.3.4	Farmhouses and other buildings
3.3.5	Infrastructure

Approach to ensuring compliance with environmental compliance obligations.

Compliance audits (e.g. ECO audits, Environmental Authorisation, Waste reviews/audits, Environmental Management Plan, Water Use licence audits [GA or full licence]. conduct internal audits at planned intervals to provide information on whether the Environmental Management Plan is effectively implemented and maintained.

1. The **ONE** of the following training certificates are allowed:

- Tertiary degrees for related Environmental studies;
- Internal Eskom training for Environmental Legislation;
- Internal Eskom EA and EMP Training;
- External Environmental Officer Training;
- SHE REP;
- SAMTRAC CERTIFICATE

Communication plan should give an indication of the following:

1. **WHAT** environmental information is being communicated;
2. The intended **PURPOSE** of communication;
3. To **WHOM** (target audience: bargaining unit, management, etc.); and,
4. **FREQUENCY** of communication (daily, weekly, monthly, etc.).



- Appointment template letters **MUST** include the following:
- Appointment as an environmental officer/ environmental/SHE rep where the duties listed correlate with environmental management.

E.g.

- ✓ Monitor compliance with the Environmental Management Plan;
- ✓ Ensure compliance to and the knowledge of National Environmental Management Act 107 of 1998 and other legal requirements;
- ✓ Management of waste;
- ✓ compliance to ISO 14001 requirements.

4. COSTING FOR ENVIRONMENTAL MANAGEMENT

- **Financial estimations of environmental goods & services for the required contract scope**
- Detailed itemised estimations of anticipated costs that the contractor has made available for effective environmental management.



ELECTRIFICATION IS HIGH RISK – SO YOU WILL BE REQUIRED TO SUBMIT COSTING FOR ENVIRONMENTAL MANAGEMENT

- **Examples Of Environmental Cost Items Include:**
 1. Waste management fees (bin rental, transport, disposal, etc.)
 2. Oil spill kits; drip trays; disposal of contaminated waste
 3. Environmental training
 4. Land management
 5. Water usage
 6. Emergency service providers (snake catcher & beekeepers)

1. Impacts and aspects register is usually in a tabular format and is an **ACCOUNT** of activities which will be done according to scope;
2. Register must specify the **aspect of the environment** which could be affected and the **type of impacts** which could result from the scoped activities;

Risk Assessments which identified ways in which the environment would be impacted will be accepted.

ACTIVITY	ASPECT	IMPACT
Servitude maintenance	Cutting trees and plants (flora)	Loss of indigenous trees and plants
Transformer damage or replacement	Oil leaking into water/soil	Pollution of water/soil from transformer oil
Driving	Air emissions from vehicles	Air pollution

An EMP is a method statement of how you intend to mitigate identified impacts while executing contract. This MUST be scope specific.

ACTIVITY	ASPECT	IMPACT	EMP
Servitude maintenance	Cutting trees and plants (flora)	Loss of indigenous trees and plants	Ensure DAFF license/Ezemvelo Permit available to cut indigenous and protected trees
Transformer damage or replacement	Oil leaking into water/soil	Pollution of water/soil from transformer oil	Store and transport transformers on drip trays or impermeable surface.
Driving	Air emissions from vehicles	Air pollution	Ensure cars are serviced regularly
	Oil leaks	Land/Water pollution	Place drip trays under leaking vehicles

2. ENVIRONMENTAL POLICY

1. Environmental Policy (or SHEQ Policy) must be **signed by NAMED CEO or a Managing member**
2. **MUST** include a commitment to environment (e.g. prevent pollution; compliance to environmental legislation; and, other requirements, etc.)



Part B



<u>Ref</u>	<u>KPIs</u>	<u>Submission</u> <u>Y = Yes</u> <u>N= No</u>	<u>Actual score</u>	<u>Comments</u>
1	Annexure B Is the acknowledgement of Eskom's SHE rules and requirements form (Annexure B) signed and submitted by the tenderer?			
2	ISO 14001 Environmental Management Standard certificate.			
	TOTAL			Approved/Not Approved



Conclusion

CONCLUSION

- Your Tender returnable become contractual obligations once contract is awarded
- WE are ALL responsible for legal environmental compliance in Central East Cluster
- Knowledge of applicable environmental laws (legislation, ordinances, bylaws) is important
- Comply to ALL environmental laws. Therefore, ensure access to environmental legislation
- Managers/Employees open to prosecution for environmental contraventions and/or crimes
- Uphold Central East Cluster DPM and Environmental Index performance

