

Environmental Requirements

05 December 2022



- The contractor shall identify all environmental aspects related to the works and develop a comprehensive Environmental Management Plan (EMP) to mitigate all potential environmental risks.
- The Environmental Management Plan must be submitted to the employer for approval before the contract is signed with the successful tenderer.
- Undertakes execution of scope in accordance with specifications and EMP requirements

- Roles and responsibility
- Process monitoring
- Integration of EMP into the contract
- Legal Requirements
- Environmental aspects
- Responsibility Structure
- Training, Awareness & Competence
- Documentation and reporting
- Public Communication and Liaison with Interested and Affected Parties
- Emergency Plan and Prepared Response

- **The Contractor shall further identify and comply with all South African national and provincial environmental legislation as amended, including associated regulations and all local by-laws relevant to the project.**

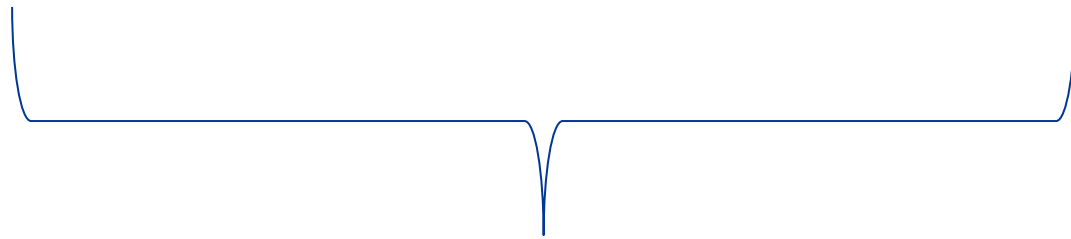
- [1] ISO 14001: The requirements for an Environmental Management System
- [2] Occupational, Health and Safety Act no 85 of 1993
- [3] Constitution of the Republic of South Africa Act no 108 of 1996.
- [4] National Environmental Management Act (NEMA) no. 107 of 1998
- [4] Environment Conservation Act no 73 of 1989
- [5] National Water Act no 36 of 1998
- [6] Hazardous Substances Act no 15 of 1973
- [7] Conservation of Agricultural Resources Act no 43 of 1983
- [8] NEM: Air Quality Act no 39 of 2004
- [9] NEM: Biodiversity Act no 10 of 2004
- [10] NEM: Waste Act no 59 of 2008
- [11] National Heritage Resources Act no 25 of 1999
- [12] Occupational Health and Safety Act no 85 of 1993
- [13] National Veld and Forest Fire Act no 13 of 1941
- [14] National Road Traffic Act no 93 of 1996 and all related or applicable Acts and or Regulations.
- [15] National Norms and Standards for storage of Waste (GN 926 of 2013)
- [16] Government Notice R. 634 Waste Classification and Management Regulations
- [17] SANS 10248 Management of Health Care Waste
- [18] Relevant Municipal waste management bylaws

As part of the project a number of environmental aspects and impacts exists for the project and therefore need to be identified and addressed to prevent, minimize and manage the environmental impacts.

The following are **EXAMPLES** of environmental aspects/issues must be addressed (but not limited to):

- *Site establishment / de-establishment*
- *Air pollution (including dust control)*
- *Spill of hydrocarbons from fuelling, breakdowns and repairs of plant and vehicles*
- *Noise pollution*
- *Waste management (including disposal and sanitary arrangement)*
- *Control of hazardous chemical substances and Safety Data Sheets (SDS)*
- *Nuisance etc.*
- *Education of staff on environmental aspects, impacts and mitigation measures*

Scope of Work > Tasks > Activities > Environmental Impacts > Controls



- **Value chain of the *works***
- **Work breakdown structure**

Supply of gadgets

Task	Activities	Potential Environmental Impacts	Controls / Mitigations
Supply and delivery of three (3) LPG plates and one (1) Electric plate hybrid cooking stoves, LPG Heaters with 9KG LPG Cylinders x 2	Activity 1	Impact 1	<ul style="list-style-type: none"> • ??? • ??? • ??? • ???
		Impact 2	<ul style="list-style-type: none"> • ??? • ??? • ??? • ???
		Impact 3	
	Activity 2	Impact 1	
		Impact 2	
		Impact 3	

Supply of ceiling

Task	Activities	Potential Environmental Impacts	Controls / Mitigations
Supply, deliver and install ceiling insulation (SPF and Ceiling boards), electrical re-wiring and;	Activity 1	Impact 1	<ul style="list-style-type: none"> • ??? • ??? • ??? • ???
		Impact 2	<ul style="list-style-type: none"> • ??? • ??? • ??? • ???
		Impact 3	
	Activity 2	Impact 1	
		Impact 2	
		Impact 3	
		Impact 4	

Task	Activities	Potential Environmental Impacts	Controls / Mitigations
Asbestos removal and disposal for Air Quality Offset Project on and “as and when required basis” in the Sivukile settlement in Mpumalanga (Gert Sibande District Municipality) for a period of 18 Months for houses up to one thousand one hundred and sixty (1160).	Activity 1	Impact 1	
		Impact 2	
		Impact 3	
	Activity 2	Impact 1	
		Impact 2	
		Impact 3	
		Impact 4	