

Checklist of minimum environmental provisions on site

Construction of B16 pipeline from Zuikerbosch to Slangfontein: Portion B

Objective:

The checklist is aimed at a high level guideline for budget provision of minimum provisions to be able to implement the EMP.

It must be read in-conjunction with the EMP document and does not exempt any other clause that has been stipulated for compliance within this RW EMP document. In the event of apparent contradiction, the condition within the RW EMP document, will apply above the checklist.

Unit prices must be provided.

Actions

The contractors will provide these items on the list as part of the construction site set up. They must be available before construction start and in stock throughout the construction. Should additional items be required they must be provided at the same rate as quoted.

The following minimum items must be available.

Signage

QTY	ITEM	UNIT cost	Budget lump sum provision
	No go area 30mmx30mm		
1	Appointment of the ECO		
2	A sign at the entrance of the site offices indicating the following information • The contractor's contact numbers • Authorisations details • ECO details • Emergency numbers and provision for: – snake removal, bee removal, fire, large hydrocarbon spillages, sewerage spillages • Safety officer		

Pollution prevention

QTY	ITEM	Unit cost	Budget lump sum provision
30	Fire protection equipment		
8	Waste bins and receptacles that comply with the waste clauses of the EMP		
3	Waste skips		
6	Adequate serviced ablution facilities/month		

2	Designated eating and smoking areas		
2	Water cart/s to adequately water the site a minimum of twice a day (estimate based on hiring or lease/day)		
3	Spillage kits for all maintenance vehicles and be easily available on site		
20	Drip trays for all vehicles parked overnight		
100	Barricading the demarcation of edge of the working area (50x 1.5m)		
1	Hard impervious surfaces for storage of chemicals		
1	Bunding facility for hazardous products/ per container		
3	Labeled containers for decanting of liquids		

Erosion control and silt management

QTY	ITEM	Unit cost	Budget lump sum provision
50m	Silt fences for inside water courses and all slopes (bitem and droppers or shade net)/per metre		
50m	Hay bales		
100	Sand bags		
10	Hessian or similar type product for all slopes that start to erode (2mx1x1)		

Work in sensitive areas

QTY	ITEM	Unit cost	Budget lump sum provision
Depending on the size of the structure	Removal and return of excavated material from the regulated areas of water causes as per the EMPr/per cube		

Waste disposal provision

Contractor must indicate up front where waste will be dumped

QTY	ITEM	Identified site where it will be disposed of	Unit price	Budget lump sum provision
4	General waste	EMM		

4	Hazardous waste (per truck)	Holfontein		

Administration and documentation

QTY	ITEM	Budget lump sum provision
One file with the following:	1 Permits and licenses 2 EMPr 3 Environmental audit reports 4 Complaints register 5 Agreements with landowners 6 Noncompliance notifications 7 Waste disposal documentation 8 Safety data sheet for all chemicals	

Cost of minimum provision on site to be checked by ECO on commencement of the construction

Signage	
Pollution prevention	
Erosion control and silt management	
Work in sensitive areas	
Waste disposal provision	
Administration and documentation	
Total provision for minimum requirement	