ENVIRONMENTAL MANAGEMENT PROGRAMME								
	LINE CONSTRUCTION							
	100000					 		
ACTIVITY	ASPECT	IMPACI	SIGNIFICANO	RELEVANT LEGISLATION	RESPONSIBILITY	REMARKS		
In the other Tradates	Education of the Country of the Country of the CAUD			1004 4000	ECO			
Induction Training	Educate staff before they commence work on the content of the EMP			ISO14000	ECO			
SITE ESTABLISHMENT		1				3.7, 3.8, 3.9, 4.7, 4.9, 4.6, 5.4		
Set up living quarters						3.7, 3.6, 3.9, 4.7, 4.9, 4.0, 3.4		
Obtain campsite	Negotiate with landowner	Yes	Medium	NEMA & Env Cons Act	Contractor	Contractor to obtain landowner special conditions		
Clear and level area	Damage to protected / endangered vegetation	Yes	High	NEM: Biodiversity Act,Cons of Agri Res	Contractor	Contractor to obtain landowner special conditions		
Cidar and iovor area	Damage to topsoil / waste concrete	Yes	Low	Soil Conservation Act	Contractor			
Erect temporary houses and tents	Waste material / littering	Yes	Low	NEMA & Env Cons Act	Contractor			
Erect temporary riouses and tems	Waste material/ intering	100	LOW	THE WIFT OF CONSTRUCT	Contractor			
Set up ablution facilities								
Install drainage system for toilets	Health risk / spreading of measless and pollution of soil and ground water	Yes	Medium	National Health Act	Contractor			
Install drain for waste water	Ground water pollution	Yes	High	National Water Act	Contractor			
Install water supply	Disturbance of topsoil and vegetation	Yes	Low	Soil Conservation Act	Contractor			
		 	1					
Set up kitchen facilities								
Install drainage system for waste water	Pollution of ground water	Yes	High	National Water Act	Contractor			
Install collection system for waste oil	Soil pollution	Yes	High	NEMA & Env Cons Act	Contractor			
,			Ĭ					
Set up waste collection system								
Install waste collection bins	Waste foodstuff and food containers	Yes	Medium	NEMA & Env Cons Act	Contractor			
SITE ESTABLISHMENT						3.7, 3.8, 3.9, 4.7, 4.9, 4.6, 5.4		
Store area								
Install fencing:								
Dig holes	Disturbance of topsoil	Yes	Low	Soil Conservation Act	Contractor			
Insert poles and concrete	Waste concrete	Yes	Low	NEMA & Env Cons Act	Contractor			
Erect fence	Wire offcuts	Yes	Low	NEMA & Env Cons Act	Contractor			
Grading / clearing area	Damage to protected / endangered vegetation	Yes	High	NEM: Biodiversity Act, Cons Of Agri Res	Contractor			
Install site office	Waste concrete if slab is required	Yes	Low	NEMA & Env Cons Act	Contractor			
Create fire break	Damage to protected / endangered vegetation	Yes	High	Biodiversity Act, Cons of Agri Res	Contractor			
SITE ESTABLISHMENT						3.7, 3.8, 3.9, 4.7, 4.9, 4.6, 5.4		
Workshop area								
Install workshop area								
Cast concrete slabs for buildings	Waste concrete	Yes	Low	NEMA & Env Cons Act	Contractor			
Concrete bunded area for servicing vehicles	Waste concrete	Yes	Low	NEMA & Env Cons Act	Contractor			
Erect store for oil, lubricants and parts	Waste packaging	Yes	Low	NEMA & Env Cons Act	Contractor			
CITE FOTADI ICUMENT		1	 			27 20 20 47 40 40 54		
SITE ESTABLISHMENT			-			3.7, 3.8, 3.9, 4.7, 4.9, 4.6, 5.4		
Assembly area Levelling and clearing of area	Damage to protected / endangered vegetation	Yes	High	NEM: Biodiversity Act, Cons of Agri Res	Contractor	+		
Install concrete floor for work area	Damage to protected / endangered vegetation Damage to topsoil / waste concrete	Yes	Low	Soil Conservation Act	Contractor	+		
Install waste collection area	Rubble and waste material	Yes	Low	NEMA & Env Cons Act	Contractor			
motan waste conection area	INDUIC and waste ilidicidi	162	LUW	INLINIA & ETIV COTTS ACL	CONTRACTO			
MATERIAL DELIVERY		1	†					
Store area		1	†					
Trucks delivering material	Oil spills	Yes	Low	National Water Act	Contractor			
Tracks delivering material	Waste material containers / packaging	Yes	Low	NEMA & Env Cons Act	Contractor			
	Treasic material containers / packaging	100	LUW	THE THINK OF ETTY COURS ACE	Contractor			

SERVICING OF VEHICLES					l	4.1. 4.6. 5.4.
Workshop area						,,
Draining oil and removing filters	Oil spills	Yes	Low	National Water Act	Contractor	
On site						
Emergency repairs due to breakages	Oil spills and lubricant or fuel spills	Yes	High	National Water Act	Contractor	
, , , , , , , , , , , , , , , , , , ,						
TOWER PEGGING						
On site						
Vehicle driving in veld	Damage to protected / endangered vegetation	Yes	High	NEM:Biodiversity Act, Cons of Agr Res	Contractor	
	Damage to heritage sites	Yes	High	National Heritage Resource Act	Contractor	
	Oil spills	Yes	Low	Water Act	Contractor	
Surveyor pegging towers	Littering of packaging & pegging materials	Yes	Low	NEMA & Env Cons Act	Contractor	
Cooking food on site / smoking	Veld fires	Yes	Medium		Contractor	
	Littering of food packaging & pegging materials	Yes	Low	NEMA & Env Cons Act	Contractor	
Use veld for toilet	Health risk / spreading of measles	Yes	High	National Health Act	Contractor	
Site clearing for pegging purposes	Damage to protected / endangered vegetation	Yes	High	NEM:Biodiversity Act, Cons of Agri Res	Contractor	
BUSH CLEARING FOR CONSTRUCTION						4.7, 4.9, 5.1, 5.2, 6.3
On servitude						
People cutting vegetation by hand	Damage to protected / endangered vegetation	Yes	High	NEM: Biodiversity Act, Cons of Agri Res	Contractor	
	Fuel spills	Yes	High	National Water Act	Contractor	
Use veld for toilet	Health risk / spreading of measles	Yes	High	National Health Act	Contractor	
Cooking food on site / smoking	Veld fires	Yes	Medium		Contractor	
	Littering of food packaging	Yes	Low	NEMA & Env Cons Act	Contractor	
Bulldozer clearing vegetation	Damage to protected / endangered vegetation	Yes	High	NEM:Biodiversity Act, Cons of Agri Res	Contractor	
	Damage to heritage sites	Yes	High	National Heritage Resource Act	Contractor	
	Disturbance of topsoil	Yes	High	Soil Conservation Act	Contractor	
Emergency repairs due to breakages	Oil spills and lubricant or fuel spills	Yes	High	National Water Act	Contractor	
Clearing of vegetation on river banks	Erosion	Yes	High	Soil Conservation Act	Contractor	
Excessive clearing of servitude	Erosion and invader plants	Yes	High	Soil Conservation Act	Contractor	
	Damage to protected / endangered vegetation	Yes	High	NEM:Biodiversity Act, Cons of Agri Res	Contractor	
GATE INSTALLATION						4.8, 5.1, 5.2, 5.4,
On servitude						
Flattening of fences to gain access	Damage to fences	Yes	Low	Fencing Act	Contractor	
Dig holes	Disturbance of topsoil	Yes	Low	Soil Conservation Act	Contractor	
Insert gate and pour concrete	Waste concrete	Yes	Low	NEMA & Env Cons Act	Contractor	
Tying off fence and straining fence wires	Wire offcuts and broken fences	Yes	Low	Fencing Act	Contractor	
Tying off fence and straining fence wires	Damage to electrical fencing	Yes	Low	Fencing Act	Contractor	
Installation of concrete sill in Vermin proof fence	Waste concrete	Yes	Low	NEMA & Env Cons Act	Contractor	
Use veld for toilet	Health risk / spreading of measles	Yes	High	National Health Act	Contractor	
Cooking food on site / smoking	Veld fires	Yes	Medium		Contractor	
	Littering of food packaging	Yes	Low	NEMA & Env Cons Act	Contractor	

ACCESS ROAD CONSTRUCTION			1			4.5, 4.4, 4.3, 4.2, 5.1, 5.2
On servitude			+			4.0, 4.4, 4.0, 4.2, 0.1, 0.2
Negotiate access with landowners	Agreed access used	Yes	High		Contractor / Eskom	
Mark access roads	Agreed access used	Yes	High		Contractor / Eskom	
	Speed limits adhered to	Yes	High		Contractor	
Vehicles driving off servitude road	Damage to protected / endangered vegetation	Yes	High	NEM:Biodiversity Act , Cons of Agri Res		
Tomore arring on continues read	Illegal use of private roads	Yes	Medium	The medical voice of the straight the	Contractor	
	Damage to drifts and bridges	Yes	Medium		Contractor	
	Damage to irrigation lines	Yes	High		Contractor	
Bulldozer blading access roads	Damage to protected / endangered vegetation	Yes	High	NEM:Biodiversity Act, Cons of Agri Res	Contractor	
Buildezor blading decess reads	Damage to heritage sites	Yes	High	National Heritage Resource Act	Contractor	
	Damage to private roads	Yes	Low		Contractor	
	Causing erodable areas	Yes	High	Soil Conservation Act	Contractor	
Cooking food on site / smoking	Veld fires	Yes	Medium		Contractor	
	Littering of food packaging	Yes	Low	NEMA & Env Cons Act	Contractor	
Use veld for toilet	Health risk / spreading of measles	Yes	High	National Health Act	Contractor	
Blading of access roads through dongas	Erosion and loss of topsoil	Yes	High	Soil Conservation Act	Contractor	
Construction of drifts / donga crossings	Erosion / impedence of water flow	Yes	High		Contractor	
Road construction on slopes	Erosion and loss of topsoil	Yes	High		Contractor	
Installation of diversion berms	Prevention of erosion	Yes	Very High	National Water Act / Soil Cons Act	Contractor	
FOUNDATION EXCAVATION						4.12, 4.7, 5.1, 5.2
On servitude						
Transport of personnel to site	Trucks breaking and spilling oil	Yes	High	National Water Act	Contractor	
Driving off servitude roads	Damage to protected / endangered vegetation	Yes	High	NEM:Biodiversity Act, Cons of Agri Res	Contractor	
Excavation of foundation	Disturbance of topsoil and vegetation	Yes	Low	Soil Conservation Act	Contractor	
	Loss of topsoil with seedbank	Yes	Medium	Soil Conservation Act	Contractor	
	Damage to heritage sites	Yes	High	National Heritage Resource Act	Contractor	
Drilling of foundation	Noise and dust pollution	Yes	Low	NEMA & Env Cons Act	Contractor	
Installation of steel re-inforcing	Waste material	Yes	Low	NEMA & Env Cons Act	Contractor	
Casting of concrete	Waste concrete	Yes	Low	NEMA & Env Cons Act	Contractor	
Washing of concrete truck on site	Waste concrete	Yes	Low	NEMA & Env Cons Act	Contractor	
Cooking food on site / smoking	Veld fires	Yes	Medium		Contractor	
	Littering of food packaging	Yes	Low	NEMA & Env Cons Act	Contractor	
Use veld for toilet	Health risk / spreading of measles	Yes	High	National Health Act	Contractor	
Leaving gates open / unlocked	Stock losses	Yes	High		Contractor	

TOWER ASSEMBLY AND ERECTION			1			4.12, 5.1, 5.2, 5.4,
On servitude						4.12, 0.1, 0.2, 0.4,
Transport of personnel and material to site	Trucks breaking and spilling oil	Yes	High	National Water Act	Contractor	
	Damage to heritage sites	Yes	High	National Heritage Resource Act	Contractor	
Making fires in winter due to cold weather	Veld fires	Yes	Medium	Ĭ	Contractor	
Cooking food on site / smoking	Veld fires	Yes	Medium		Contractor	
	Damage to protected / endangered vegetation	Yes	High	NEM:Biodiversity Act, Cons of Agri Res	Contractor	
	Littering of food packaging	Yes	Low	NEMA & Env Cons Act	Contractor	
Use veld for toilet	Health risk / spreading of measles	Yes	High	National Health Act	Contractor	
Assembling of towers	Waste bolts and nuts	Yes	Low	NEMA & Env Cons Act	Contractor	
Punching and painting of nuts	Paint spillages	Yes	Low	National Water Act	Contractor	
Erection of towers with crane	Trucks / crane breaking and spilling oil / lubricants	Yes	High	National Water Act	Contractor	
Erection of towers with helicopter	Noise and dust pollution	Yes	Low	NEMA & Env Cons Act	Contractor	
	Fuel spillages during re-fuelling	Yes	High	National Water Act	Contractor	
Emergency repairs due to breakages	Oil spills and lubricant or fuel spills	Yes	High	National Water Act	Contractor	
	Waste parts and packaging	Yes	Low	NEMA & Env Cons Act	Contractor	
Dressing of towers with hardware and insulators	Insulator breakage littering glass shards in veld	Yes	Low	NEMA & Env Cons Act	Contractor	
Discarding packaging material on site	Waste material littering in veld	Yes	Low	NEMA & Env Cons Act	Contractor	
Leaving gates open / unlocked	Stock losses	Yes	High		Contractor	
STRINGING OREDATIONS						442.445
STRINGING OPERATIONS On servitude			-			4.13, 4.15
On servitude						
Clearing of drum, tensioner and whinch stations	Damage to protected / endangered vegetation	Yes	High	NEM:Biodiversity Act, Cons of Afgri Res	Contractor	
cleaning of drum, tensioner and willion stations	Damage to heritage sites	Yes	High	National Heritage Resource Act	Contractor	
Making fires in winter due to cold weather	Veld fires	Yes	Medium	Trational Fichiage Resource 7 of	Contractor	
Cooking food on site / smoking	Veld fires	Yes	Medium		Contractor	
cooking rood on old / ollioking	Littering of food packaging	Yes	Low	NEMA & Env Cons Act	Contractor	
Use veld for toilet	Health risk / spreading of measles	Yes	High	National Health Act	Contractor	
Transport of personnel and material to site	Trucks breaking and spilling oil	Yes	High	National Water Act	Contractor	
Using bulldozer for tension purposes	Damage to protected / endangered vegetation	Yes	High	NEM:Biodiversity Act, Cons of Afgri Res		
	Disturbance of topsoil and vegetation	Yes	Low	Soil Conservation Act	Contractor	
	Damage to heritage sites	Yes	High	National Heritage Resource Act	Contractor	
Creating fire breaks around drum stations	Damage to protected / endangered vegetation	Yes	High	NEM:Biodiversity Act, Cons of Afgri Res	Contractor	
	Disturbance of topsoil and vegetation	Yes	Low	Soil Conservation Act	Contractor	
	Damage to heritage sites	Yes	High	National Heritage Resource Act	Contractor	
Jointing and crimping of conductors	Waste material littering in veld	Yes	Low	NEMA & Env Cons Act	Contractor	
Discarding wooden cable drum material on site	Waste material littering in veld	Yes	Low	NEMA & Env Cons Act	Contractor	
No protection for fences during stringing	Damage to fences	Yes	Low	Fencing Act	Contractor	
Tractor pulling out pilot wire	Damage to protected / endangered vegetation	Yes	High	NEM:Biodiversity Act, Cons of Afgri Res		
	Damage to heritage sites	Yes	High	National Heritage Resource Act	Contractor	
Leaving gates open / unlocked	Stock losses	Yes	High		Contractor	
REHABILITATION OF SERVITUDE						4.6, 5.1, 5.2, 5.4,
On servitude						
Transport of paragraph and material to site	Turning baseling and entities at	Vee	Link	National Water Act	Cantrantor	
Transport of personnel and material to site	Trucks breaking and spilling oil Veld fires	Yes Yes	High Medium	National Water Act	Contractor	
Making fires in winter due to cold weather Cooking food on site / smoking	Veld fires	Yes	Medium		Contractor Contractor	
COOKING TOOL ON SILE / SHIOKING	Littering of food packaging	Yes	Low	NEMA & Env Cons Act		
Use veld for toilet	Health risk / spreading of measles	Yes	High	National Health Act	Contractor Contractor	
Installation of diversion berms	Prevention of erosion	Yes	Very High	Soil Conservation Act	Contractor	
Fixing of fences	Waste material littering in veld	Yes	Low	NEMA & Env Cons Act	Contractor	
Re-seeding of barren areas	Wrong seed used	Yes	Medium	NEM:Biodiversity Act	Contractor	
Leaving gates open / unlocked	Stock losses	Yes	High		Contractor	
Picking up all rubble and litter	Servitude left clean and neat	Yes	Very High	NEMA & Env Cons Act	Contractor	
Installing locks on all servitude gates	Unauthorised access prevented	Yes	High		Contractor	
Settling of all outstanding claims	Landowners happy	Yes	Very High		Contractor / Eskom	