## Koeberg - EIA process

## Ecology

## Significance Rating Table

				Operation	al Phase						
				Alterna							
		Extent	Duration	Magnitude	Probability	Si	gnificance	Status			
Potential Impact	Mitigation	(E)	(D)	(M)	(P)		(E+D+M)*P)	(+ve or -ve)	Confidence		
	Nature of impact:	B	Bare and disturb	ed areas will be	highly vulnerat	ole to wind eros	ion due to the strong w	vinds the area e	experiences		
	with	1	2	2	3	15	Low	-	Medium		
	without	1	3	4	4	32	Medium		Medium		
		1	5	4	4	52	Wedium	-	Medium		
on crosion and associated	degree to which	Mada and a Da									
egradation of ecosystems	impact can be	Moderate - Provided that large amounts of wind erosion does not occur, this impact can be arrested and reversed.									
	reversed:										
	degree of impact on irreplaceable resources:	Low - As the extent of the development is low, significant loss of irreplaceable resources is unlikely									
	Nature of impact:			Alion plant spor	ies are likely to	dominate distu	bed areas following co	nstruction			
	with	1	2	2	3	15	Low		High		
	without	1	4	4	4	36	Medium		High		
	degree to which	1	4	4	4	30	Wedialiti		i ligit		
Alien Plant Invasion	-			Modorato to Hir	th doponding or	the coverity of	invasion				
Allell Pidilt IIIvasion	impact can be		Moderate to High depending on the severity of invasion								
	reversed:										
	degree of impact on			Law south	offented and						
	irreplaceable		Low as the affected area is already disturbed								
	resources:										
	Nature of impact:		1	-		1					
	with										
	without										
	degree to which										
	impact can be										
	reversed:										
	degree of impact on										
	irreplaceable										
	resources:										
				Alterna	tive 4						
		Enternt	Duration	1	1	c:	gnificance	Chatwa			
Potential Impact	Mitigation	Extent	Duration	Magnitude	Probability	31	giiiiicaiice	Status			
			(D)	(54)	(p)	(5-	-	(two or wo)	Confidence		
	Nature of impact:	(E)	(D) Bare and disturb	(M)	(P)		(E+D+M)*P)	(+ve or -ve)			
	Nature of impact: with	E	Bare and disturb	ed areas will be	highly vulnerat	ole to wind eros	(E+D+M)*P) ion due to the strong w	. ,	xperiences		
	with	E 1	Bare and disturb	ed areas will be 2	highly vulnerat 3	ble to wind eros	(E+D+M)*P) ion due to the strong w Low	vinds the area e	xperiences Medium		
	with without	E	Bare and disturb	ed areas will be	highly vulnerat	ole to wind eros	(E+D+M)*P) ion due to the strong w	. ,	xperiences		
oil erosion and associated	with without degree to which	E 1 1	Bare and disturb	ed areas will be 2 4	highly vulnerat 3 4	ble to wind eros	E+D+M)*P) ion due to the strong w Low Medium	vinds the area e - -	xperiences Medium		
oil erosion and associated	with without degree to which impact can be	E 1 1	Bare and disturb	ed areas will be 2 4	highly vulnerat 3 4	ble to wind eros	(E+D+M)*P) ion due to the strong w Low	vinds the area e - -	xperiences Medium		
oil erosion and associated	with without degree to which impact can be reversed:	E 1 1	Bare and disturb	ed areas will be 2 4	highly vulnerat 3 4	ble to wind eros	E+D+M)*P) ion due to the strong w Low Medium	vinds the area e - -	xperiences Medium		
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oil erosion and associated egradation of ecosystems	with without degree to which impact can be reversed: degree of impact on irreplaceable	E 1 Moderate -	Provided that la	ed areas will be 2 4 arge amounts o	highly vulnerat 3 4 f erosion does n	le to wind eros	E+D+M)*P) ion due to the strong w Low Medium	vinds the area e	xperiences Medium		
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bil erosion and associated egradation of ecosystems	with without degree to which impact can be reversed: degree of impact on irreplaceable resources: Nature of impact: with	E 1 Moderate - Lo	are and disturt 2 3 Provided that I ow - As the site Alie 2	ed areas will be 2 4 arge amounts o is already degra n plant species 2	highly vulneral 3 4 f erosion does n aded significant are highly likely 3	le to wind eros 15 32 ot occur, this in loss of irreplace to dominate di 15	E+D+M)*P) ion due to the strong w Low Medium npact can be arrested a eable resources is unlike sturbed areas following Low	inds the area e	xperiences Medium Medium High		
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Avifaunal Impacts related to power line operation & maintenance										
	degree of impact on irreplaceable resources:		With mitigation, impact on irreplaceable reources would be low							
	Nature of impact:									
	with									
	without									
	degree to which									
	impact can be									
	reversed:									
	degree of impact on									
	irreplaceable									
	resources:									