Activity schedule for constructio	n work								
,									
Gamma Sub-Station	Activity	Environmental	Impact	Significance	Regulatory	Actions to be	Responsible	Due	Date
		Aspect	(Y/N)	(H/M/L/VL/N)	requirements	taken	Team/Person	Date	Compl
			( - /	, , ,					
Building, civils	Establish contractors	Site establishment	Yes	Low	National Water Act	Site to be kept tidy & hygenic with	Appointed contractor	TBA	ТВА
& structural	yard/store	Ablution facilities	Yes	Medium	Health Act	special reference to sanitation & water	7 ippointed contractor	1.5, (	1.57.
steel works	yara, etere	Water management	Yes	Medium	OHS Act	water management			
elee. Helle		Trate: management	1.00	Wie draini	Environmental	water management			
					Conservation Act				
					Transmission EMP				
				1	Transmission Eim				
	Delivery of materials	Heavy vehicles	Yes	Low	National Roads Act	Prevent oil leaks	Appointed contractor	TBA	TBA
	Delivery of materials	Material storage	Yes	Low	OHS Act	Separated materials	7 tppointed contractor	TD/X	TD/C
		Off loading materials	Yes	Low	Environ Consv Act	Separated materials			
		On loading materials	103	LOW	Environ Consv Act	Liscenced drivers & operators		1	+
			1		1	Electrica divers a operators		1	+
	Remove existing yard	Heavy vehicles	Yes	Low	OHS Act	Prevent oil leaks	Appointed contractor	TBA	TBA
	stone & stockpile	Yard stone	Yes	Low	HV Regs	Separated materials	Appointed contractor	IDA	IDA
	Storie & stockpile	Taid Storie	163	LOW	TTV IXegs	Separated materials		+	+
	Excavate foundations	Heavy vehicles	Yes	Low	OHS Act	Prevent oil leaks	Appointed contractor	TBA	TBA
	Excavate four idations	Workers with hand tools	No	Very low	HV Regs	PPE to be used	Appointed contractor	IDA	IDA
		Workers with hand tools	INO	very low	nv Regs				
		+		1		Spread spoil evenly			
	Cycey rate conthemat 9	Heaverrahielee	Vaa	1	OLIC Ast	Drayant ail la alca	Anneinted contractor	TBA	TBA
	Excavate earthmat &	Heavy vehicles	Yes	Low	OHS Act	Prevent oil leaks	Appointed contractor	IBA	IDA
	cable trenches	Workers with hand tools	No	Very low	HV Regs	PPE to be used			+
	hati da a a a a a a a a	0	V	1	0110 4 -4	DDE to be word	A	TDA	TDA
	Mixing concrete	Concrete dust	Yes	Low	OHS Act	PPE to be used	Appointed contractor	TBA	TBA
		Cement bags	Yes	Low	National Water Act	Litter management			
					Atmospheric Pollution				
				1	Prevention Act				-
				1.					
	Cast blinding layer	Concrete spills	Yes	Low	OHS Act	Spills in foundation backfill	Appointed contractor	TBA	TBA
					Environ Consv Act				
				1					-
				1					
	Construct Cable trenches	Concrete spills	Yes	Low	OHS Act	Spills in foundation backfill	Appointed contractor	TBA	TBA
					Environ Consv Act				
				1.	2112				
	Place copper earthing	Copper offcuts	Yes	Low	OHS Act	Collect off cuts for recycling	Appointed contractor	TBA	TBA
					HV Regs			-	1
				1.	2112	-		<b>_</b>	<u> </u>
	Backfill foundation &	Compacting machinery	Yes	Low	OHS Act	Prevent oil leaks	Appointed contractor	TBA	TBA
	trenches	Workers with hand tools		-	HV Regs	Use of PPE			<u> </u>
	Place steelwork on	Steel offcuts	Yes	Low	OHS Act	All off cuts collected for recycling	Appointed contractor	TBA	TBA
	foundations	Sreel cutting & grinding	Yes	Low	HV Regs	Management of old cutting			

Gamma Sub-Station	Activity	Environmental	Impact	Significance	Regulatory	Actions to be	Responsible	Due	Date
		Aspect	(Y/N)	(H/M/L/VL/N)	requirements	taken	Team/Person	Date	Compl
					Environ Consv Act	discs			
	Connect earthing to	Welding, brazing	Yes	Low	OHS Act	Management of old welding	Appointed contractor	TBA	TBA
	steelwork				HV Regs	rods			
					Environ Consv Act				
	Reinstate yardstone	Heavy machinery	Yes	Low	OHS Act	Oil spills	Appointed contractor	TBA	TBA
		Workers with rakes			HV Regs	Use of PPE			
					Environ Consv Act				
	De-establish contractors	Heavy vehicles	Yes	Medium	OHS Act	All waste, garbage, surplus	Appointed contractor	TBA	TBA
	yard/store				HV Regs	materials & oil spills to be			
					Environ Consv Act	cleared & site rehabilitated.			
					Transmission EMP				
	Final inspection	Site inspection	No	None	OHS Act	Site to be clear & rehabilitated as per	Project Manager	TBA	TBA
					HV Regs	original condition	Grid Environ Advisor		
					Environ Consv Act		Site supervisor		
					Transmission EMP		Appointed contractor		
	Take over works	Take Over/ Hand Over	No	None	Transmission EMP	Site accepted from	Appointed contractor	TBA	TBA
						Contractor & Handed over			
						Grid Representative			

Gamma Sub-Station	Activity	Environmental	Impact	Significance	Regulatory	Actions to be	Responsible	Due	Date
		Aspect	(Y/N)	(H/M/L/VL/N)	requirements	taken	Team/Person	Date	Compl
Circuit Breakers &	Removal of redundant	CB's	Yes	Medium	ESKADAAR8	Redundant & scrap equipment to be			
Isolators	Circuit Breakers &				(Disposal of Eskom	disposed of in accordance with			
					assets)	procedures			
	Excavate foundation	Workers with hand tools	Yes	Low	OHS Act	Workers to use PPE	Appointed contractor	TBA	TBA
					HV Regs	Safe operation of power tools			
					Environ Consv Act	Spoil to be evenly spread			
	Concrete for foundations	Heavy vehicles	Yes	Low	OHS Act	Correct disposal of cement bags &	Appointed contractor	TBA	TBA
					HV Regs	concrete spills			
					Environ Consv Act				
	Erection of steelwork	Heavy vehicles	Yes	Low	OHS Act	Crane operators to be licenced in	Appointed contractor	TBA	TBA
					HV Regs	accordancs with OHS Act			
						No damage to surrounding infrastructure			
	Install new Circuit Breaker	Heavy vehicles	Yes	Low	OHS Act	Crane operators to be licenced in	Appointed contractor	TBA	TBA
		Circuit Breakers			HV Regs	accordancs with OHS Act			
					ESKAASAAJ9 (SF6	No damage to surrounding infrastructure			
					Switch Gear	All personell to be suitably accredited to			
					Installation)				
	Install new cables, clamps	Cables, clamps &	Yes	Low	OHS Act	Crane operators to be licenced in	Appointed contractor	TBA	TBA
	& conductors	conductors			HV Regs	accordancs with OHS Act			
					Environ Consv Act	No damage to surrounding infrastructure			
						All personell to be suitably accredited to			
						perform the duties			
						All cable off cuts collected for recycling			
	Commissioning of new CB	Circuit Breakers	Yes	Low	OHS Act	Safe working procedures	Appointed contractor	TBA	TBA
					HV Regs				
					ESKAASAAJ9 (SF6				
					Switch Gear Installation)				

Gamma Sub-Station	Activity	Environmental	Impact	Significance	Regulatory	Actions to be	Responsible	Due	Date
		Aspect	(Y/N)	(H/M/L/VL/N)	requirements	taken	Team/Person	Date	Compl
Current, Voltage &	Removal of redundant CT's	CT's	Yes	Medium	ESKADAAR8	Redundant & scrap equipment to be			
Capacitive Voltage					(Disposal of Eskom	disposed of in accordance with			
Transformers					assets)	procedures			
	Excavate foundation	Workers with hand tools	Yes	Low	OHS Act	Workers to use PPE	Appointed contractor	TBA	
					HV Regs	Safe operation of power tools			
					Environ Consv Act	Spoil to be evenly spread			
	Concrete for foundations	Heavy vehicles	Yes	Low	OHS Act	Correct disposal of cement bags &	Appointed contractor	TBA	
					HV Regs	concrete spills			
					Environ Consv Act				
	Erection of steelwork	Heavy vehicles	Yes	Low	OHS Act	Crane operators to be licenced in	Appointed contractor	TBA	
					HV Regs	accordancs with OHS Act			
						No damage to surrounding infrastructure			
	Install new CT's, VT's &	Heavy vehicles	Yes	Low	OHS Act	Crane operators to be licenced in	Appointed contractor	TBA	
	CVT's	CT's, VT's & CVT's			HV Regs	accordancs with OHS Act			
						No damage to surrounding infrastructure			
						All personell to be suitably accredited to			
	Install new cables, clamps	Cables, clamps &	Yes	Low	OHS Act	Crane operators to be licenced in	Appointed contractor	TBA	
	& conductors	conductors			HV Regs	accordancs with OHS Act			
					Environ Consv Act	No damage to surrounding infrastructure			
						All personell to be suitably accredited to			
						perform the duties			
						All cable off cuts collected for recycling			
	Commissioning of new CT's	Circuit Breakers	Yes	Low	OHS Act	Safe working procedures	Appointed contractor	TBA	
	VT's & CVT's				HV Regs				

Gamma Sub-Station	Activity	Environmental	Impact	Significance	Regulatory	Actions to be	Responsible	Due	Date
		Aspect	(Y/N)	(H/M/L/VL/N)	requirements	taken	Team/Person	Date	Compl
Isolators & Surge	Supply & delivery of new	Isolators	Yes	Low	OHS Act	Liscenced drivers & operators to obey	Appointed contractor	TBA	TBA
Arrestors	Isolators & SA's				HV Regs	all road & local bylaws			
<u> </u>					National Road Act	Correct loading & securing of equipment			
	Excavate foundation	Workers with hand tools	Yes	Low	OHS Act	Workers to use PPE	Appointed contractor	TBA	TBA
					HV Regs	Safe operation of power tools			
					Environ Consv Act	Spoil to be evenly spread			
	Concrete for foundations	Heavy vehicles	Yes	Low	OHS Act	Correct disposal of cement bags &	Appointed contractor	TBA	TBA
					HV Regs	concrete spills			
					Environ Consv Act				
	Erection of steelwork	Heavy vehicles	Yes	Low	OHS Act	Crane operators to be licenced in	Appointed contractor	TBA	TBA
					HV Regs	accordancs with OHS Act			
						No damage to surrounding infrastructure			
	Install new Isolators & SA's	Heavy vehicles	Yes	Low	OHS Act	Crane operators to be licenced in	Appointed contractor	TBA	TBA
		Isolators (SF6?)			HV Regs	accordancs with OHS Act			
					ESKAASAAJ9 (SF6	No damage to surrounding infrastructure			
					Switch Gear Installation)	All personell to be suitably accredited to			
	Install new cables, clamps	Cables, clamps &	Yes	Low	OHS Act	Crane operators to be licenced in	Appointed contractor	TBA	TBA
	& conductors	conductors			HV Regs	accordancs with OHS Act			
					Environ Consv Act	No damage to surrounding infrastructure			
						All personell to be suitably accredited to			
						perform the duties			
						All cable off cuts collected for recycling			
	Commissioning of new	Isolators(SF6?)	Yes	Low	OHS Act	Safe working procedures	Appointed contractor	TBA	TBA
	Isolators & SA's				HV Regs				
					ESKAASAAJ9 (SF6				
					Switch Gear Installation)				

Gamma Sub-Station	Activity	Environmental	Impact	Significance	Regulatory	Actions to be	Responsible	Due	Date
		Aspect	(Y/N)	(H/M/L/VL/N)	requirements	taken	Team/Person	Date	Compl
Earth Switches	Supply & delivery of new	Earth Switches	Yes	Low	OHS Act	Liscenced drivers & operators to obey	Appointed contractor	TBA	TBA
	Earth Switches				HV Regs	all road & local bylaws			
					National Road Act	Correct loading & securing of equipment			
	Install new ES's	Earth Switches	Yes	Low	OHS Act	All personell to be suitably accredited to	Appointed contractor	TBA	TBA
					HV Regs	perform the duties			
	Install new cabling	Cabling	Yes	Low	OHS Act	All cable off cuts collected for recycling	Appointed contractor	TBA	TBA
					HV Regs	All personell to be suitably accredited to			
					Environ Consv Act	perform the duties			
	Testing & Commissioning	Earth Switches	No	Low	OHS Act	Safe working procedures	Appointed contractor	TBA	TBA
	of new Earth Switches				HV Regs				
	Clear site	Refuse, waste, scrap &	Yes	Low	OHS Act	All waste, refuse, surplus	Appointed contractor	TBA	TBA
		oil spills			HV Regs	materials, packaging material & oil spills			
					Environ Consv Act	to be cleared & site rehabilitated.			
					Transmission EMP				
	Final inspection	Site inspection	No	None	OHS Act	Site to be clear & rehabilitated as per	Project Manager	TBA	TBA
					HV Regs	original condition	Grid Environ Advisor		
					Environ Consv Act		Site supervisor		
					Transmission EMP		Appointed contractor		
	Take over works	Take Over/ Hand Over	No	None	Transmission EMP	Site accepted from	Project Manager	TBA	TBA
						Contractor & Handed over	Grid Environ Advisor		
						Grid Representative	Site supervisor		
							Appointed contractor		
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Gamma Sub-Station	Activity	Environmental	Impact	Significance		Actions to be	Responsible	Due	Date
		Aspect	(Y/N)	(H/M/L/VL/N)	requirements	taken	Team/Person	Date	Comp
Protection, Telecomms	Delivery of panels	Heavy vehicle transport	Yes	Low	OHS Act	Licensed drivers & operators to obey	Appointed contractor	TBA	TBA
Measurements & Control	& cabling				National Road Act	all road & local bylaws			
						Correct loading & securing of equipment			
	Off-loading of panels	Crane vehicle	Yes	Low	OHS Act	Crane operator to be accredited	Appointed contractor	TBA	TBA
	De-commissioning of old	Protection panels &	Yes	Medium	OHS Act	All personell to be suitably accredited to	Appointed contractor	TBA	TBA
	panels & cabling	cabling			Environ Consv Act	perform the duties			
						Redundant cable collected for recycling			
	Installation of new panels	Protection panels &	Yes	Medium	OHS Act	All personell to be suitably accredited to	Appointed contractor	ТВА	TBA
	cabling	cabling			Environ Consv Act	perform the duties	, ,		
	_	-				Redundant cable collected for recycling			
	Testing & commissioning	Testing	No	None	OHS Act	Safe working practices	Appointed contractor	ТВА	TBA
	new panels	, and the second			Work procedures		1.		
	·				,				1
	Scrapping & recycling of	Protection & cabling	Yes	Medium	OHS Act	Safe scrapping and recycling of scrap	Appointed contractor	ТВА	ТВА
	old panels & cabling				ESKADAAR8 (Disposal	material & cables.	1,1		1
					of Eskom assets)				$\top$
					Environ Consv Act				1
									1
	Clear site	Garbage, waste, scrap,	Yes	Low	OHS Act	All waste, garbage, surplus	Appointed contractor	ТВА	TBA
		packaging materials &			HV Regs	materials, packaging material & cable	1,7		1
		cable off-cuts			Environ Consv Act	off cuts to be cleared & site rehabilitated			1
					Transmission EMP				1
									+
	Final inspection	Site inspection	No	None	OHS Act	Site to be clear & rehabilitated as per	Project Manager	TBA	TBA
			1		HV Regs	original condition	Grid Environ Advisor	1	1
					Environ Consv Act	- nga. sanaan	Site supervisor		+
					Transmission EMP		Appointed contractor		+
									+
	Take over works	Take Over/ Hand Over	No	None	Transmission EMP	Site accepted from	Project Manager	TBA	TBA
		. 3.10 0 701, 110110 0 701	1			Contractor & Handed over	Grid Environ Advisor	1.5.	1.5.
				1		Grid Representative	Site supervisor	1	+
				1	†		Appointed contractor	†	+
				+			, appointed contractor		+
			+	+		+	+	1	+

Gamma Sub-Station	Activity	Environmental	Impact	Significance	Regulatory	Actions to be	Responsible	Due	Date
		Aspect	(Y/N)	(H/M/L/VL/N)	requirements	taken	Team/Person	Date	Compl
Stringing & Cabling	Establishment of	Site establishment	Yes	Medium	National Water Act	Site to be kept tidy & hygenic with	Appointed contractor	TBA	TBA
	construction camp &	Ablution facilities			Health Act	special reference to sanitation & water			
	ablution facilities	Water management			OHS Act	water management			
					Environmental	Contractor to provide Method Statement	Appointed contractor	TBA	TBA
					ConservationI Act	of site layout & ablution & waste water			
					Transmission EMP	management.			
	Delivery of materials	Heavy vehicles	Yes	Low	National Roads Act	Prevent oil leaks from vehicles or cranes.	Appointed contractor	TBA	TBA
		Material storage			OHS Act	Separated materials			
		Off loading materials			Environ Consv Act	Liscenced drivers & operators			
	Measure, cut conductors	Hand tools	Yes	Low	OHS Act	Cable off cuts collected for re-cycling	Appointed contractor	TBA	TBA
	to size & fit clamps	Cable off cuts				Safe use of hand tools			
	Terminate new conductors	Crane trucks	Yes	Medium	National Water Act	Adequate oild drip trays & clean-up kits	Appointed contractor	TBA	TBA
	& clamps onto equipment	Engine & hydraulic oil			OHS Act	to be available on site.			
						All crane operators to be accredited			
	De-establish contractors	Heavy vehicles	Yes	Medium	OHS Act	All waste, refuse, surplus materials	Appointed contractor	TBA	TBA
	yard/store	Engine & hydraulic oil			HV Regs	off-cuts & oil spills to be cleared			
					Environ Consv Act	& site rehabilitated.			
					Transmission EMP				
	Final inspection	Site inspection	No	None	OHS Act	Site to be clear & rehabilitated as per	Project Manager	TBA	TBA
					HV Regs	original condition	Grid Environ Advisor		
					Environ Consv Act		Site supervisor		
					Transmission EMP		Appointed contractor		