

Appendix 7E Comments and Response Report

BASIC ASSESSMENT (BA) AND ENVIRONMENTAL MANAGEMENT PROGRAMME (EMPr) FOR THE PROPOSED CONSTRUCTION OF THE HARTEBEEST LEEGTE ON-SITE EKSOM SUBSTATION, LINKING SUBSTATION AND ASSOCIATED 132kV POWER LINE NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

Basic Assessment – FBAR

BASIC ASSESSMENT (BA) AND ENVIRONMENTAL MANAGEMENT PROGRAMME (EMPr)

COMMENTS AND RESPONSES REPORT – FINAL BASIC ASSESSMENT REPORT

PROPOSED CONSTRUCTION OF THE HARTEBEEST LEEGTE ON-SITE EKSOM SUBSTATION, LINKING SUBSTATION AND ASSOCIATED 132kV POWER LINE NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

SUMMARY OF ENVIRONMENTAL ISSUES/CONCERNS AND SUGGESTIONS RAISED BY INTERESTED AND/OR AFFECTED PARTIES (I&APS)

October 2016 - February 2018

Stakeholders who contributed issues ranging across all sectors of society are recorded in this Comments and Responses Report (C&RR). Full record of every issue raised is available from the public participation office and is also included in **Appendix 7D** of the Final Basic Assessment Report (FBAR). The name, affiliation and date of the commentator are also indicated. Technical comments made by the project team are not included in the C&RR. Comments made at the Landowner Focus Group Meeting (FGM) as well as the actual responses provided at this meeting are included within this C&RR.

BASIC ASSESSMENT (BA) AND ENVIRONMENTAL MANAGEMENT PROGRAMME (EMPr) FOR THE PROPOSED CONSTRUCTION OF THE HARTEBEEST LEEGTE ON-SITE EKSOM SUBSTATION, LINKING SUBSTATION AND ASSOCIATED 132kV POWER LINE NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

Basic Assessment – FBAR

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ABBREVIATIONS

BA Basic Assessment

DBAR Draft Basic Assessment Report
EIA Environmental Impact Assessment
EMPr Environmental Management Programme

FBAR Final Basic Assessment Report
HIA Heritage Impact Assessment
I&AP Interested and/or Affected Party

MW Megawatt

NC DRPW Northern Cape Department of Roads and Public Works

PIA Palaeontological Impact Assessment
SAAO South African Astronomical Observatory
SAHRA South African Heritage Resources Agency

SAHRIS South African Heritage Resources Information System

VIA Visual Impact Assessment

WEF Wind Energy Facility

Issue/Comment	Raised By	Response
1 STAKEH	OLDER / I&AP RELATED COMMENTS/	ISSUES
1.1	1 Project Related Comments/Issues	
It was recommended that authorised power line routes for other	Siphelele Dunga	Mr. Dunga's recommendation was duly noted. Authorised power
projects be investigated in the EIA / BA.	BioTherm Energy	line routes for other projects were taken into account as part of
	Registration and Comment Form: 09	the BA process for the proposed on-site Eskom Substation,
	February 2017	Linking Substation and Power Line Routes.
		Andrea Gibb, SiVEST
Recommended that a rehabilitation or relocation plan (depending on	Jeannette-Anne Steenkamp	Mrs. Steenkamp's comments were duly noted and were
feasibility) be investigated in the EIA / BA. The removal of plant	Registered I&AP: Municipal Council	forwarded to Mainstream as well as the Biodiversity Specialist
species from the proposed areas should take place prior to	Registration and Comment Form: 25	for consideration. The Biodiversity Specialist Assessment has
construction commencing. These plant species should be grown ex-	March 2017	addressed these issues and has made similar
situ (via a nursery which will create employment opportunities) and		recommendations. These recommendations have been included
then relocated after construction has been completed.		in the EMPr where necessary. The Biodiversity Specialist
		Assessment is included in Appendix 6A of the DBAR.
		Andrea Gibb, SiVEST
Recommended that preference be given to conservation	Jeannette-Anne Steenkamp	Mrs. Steenkamp's comment was duly noted and were forwarded
organisations to remove seeds, cuttings and plants prior to	Registered I&AP: Municipal Council	to Mainstream and the Biodiversity Specialist for consideration.
construction commencing for conservation purposes.	Registration and Comment Form: 25	This were further explored during the BA process and included
	March 2017	in the EMPr where necessary.
		Andrea Gibb, SiVEST
The project team was informed that the water source in the area is	Albie Louw	Water source is one of the main concerns that is being assessed
very low and under extreme strain.	Landowner: Hartebeest Leegte	and needs to be addressed. Currently a combination of solutions
	Landowner FGM: 01 November 2017	(i.e. boreholes and "trucking-in") of sourcing water are being
		considered. A full water study will be undertaken. It was also
		mentioned that from an engineering point of view this problem
		could be solved from a designing point of view.
		Rebecca Thomas, Mainstream Renewable

housing of construction workers. Although Kliprand is nearest town, the infrastructure will have to be assessed a whether it can accommodate all construction workers. Rebecca Thomas, Mainstream Renewable Mainstream will ensure an employee is permanently based in Loeriesfontein. Mainstream will ensure an employee is permanently base Loeriesfontein during the lifetime of the operational proje This will include the plant managers as well as a commuliaison representative. Rebecca Thomas, Mainstream Renewable It was enquired how the power connection is being proposed from the development on his property to the Helios SS. Assessment (BA) process. A detailed routing has not yet be determined, but the corridor as presented, in consultation the Landowners, will be submitted to the DEA for decis making. Rebecca Thomas, Mainstream Renewable It was recommended that should there be a need for any changes on the property i.e. new access road, etc., that this be discussed with the LO. It was enquired whether the Helios SS has sufficient capacity to connect seven the connection of the property. The property is a sufficient capacity to connect seven the construction whether the property is a construction whether the property is connect seven the construction whether the accommodate all construction whether it can accommodate all construction whether it can accommodate all construction whether whether is an experience of the operational property is a construction whether it can accommodate all construc			
It was enquired where the construction workers will be housed, as it seems that Kliprand is closer than Loeriesfontein. All towns within the Local Municipality will be considered for housing of construction workers. Although Kliprand is nearest town, the infrastructure will have to be assessed a whether it can accommodate all construction workers. **Rebecca Thomas, Mainstream Renewable** Mainstream will ensure an employee is permanently base Loeriesfontein during the lifetime of the operational project This will include the plant managers as well as a commuliaison representative. **Rebecca Thomas, Mainstream Renewable** It was enquired how the power connection is being proposed from the development on his property to the Helios SS. **Rebecca Thomas, Mainstream Renewable** The power lines are being assessed as part of a separate B. Assessment (BA) process. A detailed routing has not yet be determined, but the corridor as presented, in consultation the Landowners, will be submitted to the DEA for decis making. **Rebecca Thomas, Mainstream Renewable** It was recommended that should there be a need for any changes on the property i.e. new access road, etc., that this be discussed with the LO. It was enquired whether the Helios SS has sufficient capacity to carry all the proposed renewable energy projects in the area. Currently Helios SS has sufficient capacity to connect severe renewable energy projects, including the 4 proposed Leeuwster and the proposed Leeuwster renewable energy projects, including the 4 proposed Leeuwster and the proposed Leeuwster renewable energy projects, including the 4 proposed Leeuwster renewable energy projects,	Issue/Comment	Raised By	Response
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It was enquired whether the Helios SS has sufficient capacity to carry all the proposed renewable energy projects in the area. Currently Helios SS has sufficient capacity to connect several renewable energy projects, including the 4 proposed Leeuws	the property i.e. new access road, etc., that this be discussed with the		these will be done in liaison with the registered Landowner.
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	It was enquired whether the Helios SS has sufficient capacity to carry		Currently Helios SS has sufficient capacity to connect several
projects.	all the proposed renewable energy projects in the area.		renewable energy projects, including the 4 proposed Leeuwberg
			projects.
Rebecca Thomas, Mainstream Renewable			Rebecca Thomas, Mainstream Renewable
It was asked who will be responsible for maintaining the farm fence Burden, Hein This will be the responsibility of Mainstream, in consultation	It was asked who will be responsible for maintaining the farm fence	Burden, Hein	This will be the responsibility of Mainstream, in consultation with
of the farm as well as that of the substations being proposed on the Landowner: Georgs Vley the landowner.	of the farm as well as that of the substations being proposed on the	Landowner: Georgs Vley	the landowner.
property. Landowner FGM: 01 November 2017 Rebecca Thomas, Mainstream Renewable	property.	Landowner FGM: 01 November 2017	Rebecca Thomas, Mainstream Renewable

Issue/Comment	Raised By	Response
1 STAKEH	HOLDER / I&AP RELATED COMMENTS/	ISSUES
Mrs. Bezuidenhout requested that SIVEST provide her with a kmz file for the proposed power line route options in order for BioTherm to provide comment if necessary. It was stated that BioTherm Energy has an EA for the proposed 70MW Loeriesfontein PV facility and a separate EA for a 132kV power line to Helios substation, and therefore they need to confirm whether the proposed power line routes will impact on our authorised site and layout and/or authorised route alignment to Helios substation.	Irene Bezuidenhout Environmental Manager BioTherm Energy Email: 15 December 2017	The requested kmz files were sent to BioTherm by SiVEST on the 15 th of December 2017 as requested. Proof of this is included in Appendix 7D . In addition, BioTherm's comments were duly noted and were forwarded to Mainstream for consideration. It should be noted that Mainstream will continue to engage with surrounding developers / IPPs throughout the project in order to ensure that there are no potential issues. Stephan Jacobs, SiVEST
BioTherm further stated that they understand that the Independent Power Producers' (IPPs') infrastructure have to coexist and that they need to come up with an optimal solution which will suit all parties should there be a potential impact to their authorised infrastructure.		
BioTherm thanked SiVEST for giving them an opportunity to comment on the DBARs for the proposed Mainstream power lines near Loeriesfontein and for providing them with the kmz files for these. Following the submission of the kmz files, BioTherm provided the following comments:	Irene Bezuidenhout Environmental Manager BioTherm Energy Email: 05 February 2018	BioTherm's authorised project area and power line route have been forwarded to Mainstream to consider / take note of. In addition, this information will be kept on record during the advancement of the Mainstream projects. Mainstream will also continue to engage with surrounding developers / IPPs throughout the project in order to ensure that there are no
As mentioned in our previous correspondence, BioTherm Energy has Environmental Authorisation (EA) for the proposed Loeriesfontein 70MW PV energy facility (DEA Ref: 12/12/20/2632) on Portion 5 of the Farm Kleine Rooiberg No. 227 as well as Environmental Authorisation (EA) for a proposed 132kV power line to link the Loeriesfontein PV facility to the Eskom Helios MTS (DEA Ref: 14/12/16/3/3/1/536). The power line route is traversing Portion 5 of the Farm Kleine Rooiberg No. 227; Remainder of the Farm Kleine		potential issues. It should be noted that Mainstream have determined that the preferred power line corridor (i.e. Option 4) would not impact on other proposed power lines into Helios and would thus be an acceptable power line corridor from environmental and technical perspectives. Please also state that Mainstream will continue to

Issue/Comment	Raised By	Response		
1 STAKEH	HOLDER / I&AP RELATED COMMENTS/	OLDER / I&AP RELATED COMMENTS/ ISSUES		
Rooiberg No. 227 and Remainder of the Farm Sous No. 226. Based on a desktop review on Google Earth, it does not appear as if the proposed Mainstream power line options will have any impact to BioTherm Energy's already authorised Loeriesfontein PV Energy facility or its 132kV power line linking to the Helios substation: The red polygon (screenshot provided in email – Refer to Appendix 7D for email with screenshot) depicts our authorised PV facility site and the red line depicts the authorised 132kV power line route to Helios substation. There may be line crossings where the power lines have to connect into Helios substation, but I don't foresee that being an issue currently. Discussions can be held between us, Mainstream and Eskom at a later stage when one (1) of the projects advances to being a preferred bidder. I have attached the kmz of our authorised facility area and power line alignment for inclusion into the FBAR. We would appreciate it if our authorised project area and power line route can be taken note of and kept on record during the advancement of the Mainstream projects.		engage with BioTherm regarding this issue as the project advances. Stephan Jacobs, SiVEST		
A comment letter was submitted on behalf of Business Venture Investments No. 1788 (Pty) Ltd (hereafter referred to as "BVI") in response to the DBAR for the proposed On-site Eskom Substation, Linking Substation and associated 132kV Power Line development. The comment letter (along with all annexures) is provided in Appendix 7D of the FBAR. The following comments were provided:	Stephnie Kot Project Manager: Renewable Energy Project Development Email: 05 February 2018	The comments received on behalf of BVI are duly noted and were forwarded to Mainstream for consideration. After consulting with Mainstream, SiVEST subsequently provided a response to these comments via email. A copy of the response from SiVEST is included in Appendix 7D of the FBAR. Please see below for the response which was provided. BVI is the holder of Environmental Authorisations (EAs) for the Kokerboom 1 and Kokerboom 2 Wind Energy Facilities		

Issue/Comment	Raised By	Response
1 STAKE	HOLDER / I&AP RELATED COMMENTS/	ISSUES
 Based on a review of the above-mentioned draft Basic 		(WEFs) and has further applied to the Department of
Assessment Reports, it is understood that the Applicant proposes		Environmental Affairs (DEA) for EA for the proposed
to develop one 132kV overhead line ("OHL") to connect four		Kokerboom 3 WEF. BVI have stated that each of the four (4)
proposed Wind Farms (the Graskoppies, Hartebeest Leegte,		proposed power line corridor alternatives (i.e. Option 1, 2, 3
Ithemba and !Xha Boom Wind Farms, hereafter referred to as the		and 4) being proposed as part of the above-mentioned
"Mainstream Wind Farms") to the Eskom Helios Main		proposed Mainstream developments will traverse the
Transmission Substation ("Helios"). Four possible alternative		Kokerboom WEFs, would come in close proximity to a
routings for the 132kV OHL have been presented in the draft		number of turbines on the Kokerboom WEFs, and would
BARs as Option 1, 2, 3 and 4. It is understood that the four		also traverse other infrastructure associated with the
proposed Mainstream Wind Farms would share a single 132kV		Kokerboom WEFs (such as internal site roads and cabling).
OHL routing, and that only one of the 4 proposed OHL Options		BVI have thus raised an objection to the proposed power line
would be developed. A preferred Option for the OHL has not been		corridor alternatives and have suggested that a variation of
identified in the draft Basic Assessment Reports.		the routing for Option 4 be considered by Mainstream. This
		variation in routing would allow for a sufficient setback
 Business Venture Investments No.1788 (Pty) Ltd ("BVI") is a 		distance to be maintained between the proposed power line
renewable energy developer, and the holder of Environmental		and the turbines of the Kokerboom 3 WEF, which would
Authorisations for the Kokerboom 1 Wind Energy Facility (DEA		suitably minimise the impact to this facility. BVI would thus
Reference Number: 14/12/16/3/3/2/985) and the Kokerboom 2		offer no objection should Mainstream consider the variation
Wind Energy Facility (DEA Reference Number:		to Option 4 as suggested.
14/12/16/3/3/2/986). BVI has further applied to the Department of		
Environmental Affairs for environmental authorisation for the		Mainstream acknowledges that for Option 1, 2 and 3, based
Kokerboom 3 Wind Energy Facility (DEA Reference:		on a 240m setback, certain turbines of BVI's Kokerboom 1
14/12/16/3/3/2/1009) and a decision on this application is		and Kokerboom 2 WEFs would need to be moved to allow
expected imminently.		for the routing of the power line. Mainstream also
		acknowledges that the placement of turbines is done using
The three Kokerboom Wind Farms are located south-east of the		a very sophisticated method of modelling, to determine the
Mainstream Wind Farms on the following properties: the		most optimal layout, for the greatest energy yield. Specific

Issue/Comment	Raised By	Response
1 STAKE	HOLDER / I&AP RELATED COMMENTS/	ISSUES
Remainder of Farm Klein Rooiberg No. 227, the Remainder of		layouts have thus been proposed for the Kokerboom 1 and
Farm Leeuwbergrivier No. 1163, the Remainder of the Farm		Kokerboom 2 WEFs and these facilities have subsequently
Springbok Pan No. 1164, the Remainder of Springbok Tand No		received EAs based on these layouts. In light of the above,
215, Portion 1 and 2 of the Farm Karree Doorn Pan No. 214, and		and also by taking the environmental findings and
the Remainder of the Farm Aan De Karree Doorn Pan No. 213		sensitivities into consideration, power line corridor Option 1,
(hereafter referred to as "the Kokerboom Properties"). The		2 and 3 are considered less feasible and will therefore no
location of the Kokerboom Properties relative to the Mainstream		longer be considered as preferred alternatives for the grid
Wind Farms and the four proposed 132kV OHL Options are		connection.
illustrated on the map attached hereto as Annexure A.		
		It should however be noted that based on a setback distance
BVI holds valid leases over the full extent of the Kokerboom		of 240m, Mainstream can still route the proposed power line
properties.		within the assessed corridor for Option 4 without impacting
		on the turbines for the proposed Kokerboom 3 WEF. A map
 Each of the four proposed 132kV OHL Options will traverse the 		and KML file illustrating this has been attached to this email.
Kokerboom Wind Farms, and would come in close proximity to a		Through this approach and by ensuring a setback distance
number of turbines on the Kokerboom Wind Farms, and would		of 240m, Mainstream can avoid impacting the proposed
also traverse other infrastructure associated with the Kokerboom		Kokerboom 3 WEF negatively. Mainstream is of the opinion
Wind Farms, such as internal site roads and cabling. Please refer		the corridor assessed can suitably accommodate the
to the site layouts of the Kokerboom Wind Farms, overlaid with		alternative Option 4 as suggested in BVIs comment letter
the proposed 132kV OHL routing Options, attached as Annexure		and there will be no need to present this as a 'new'
B1.		alternative, but rather a preferred routing within Option 4.
		Therefore Option 4 will be presented as the preferred
 It is understood that the proposed 132kV OHL will ultimately be 		alternative in the FBAR.
transferred to Eskom to own and operate, and therefore Eskom's		
servitude and minimum setback requirements would apply.		Mainstream have continuously engaged with BVI with
Eskom requires a 31m wide servitude for a 132kV OHL (15m		regards to this issue and are of the opinion that BVI's
either side of the OHL), and further requires that a 132kV OHL be		development rights have been considered. Furthermore,

	Issue/Comment	Raised By		Response
1 STAKEHO		HOLDER / I&AP RELATED COMMENTS/	SSUES	
	setback at least tip-height from all wind turbines. The proposed		Ma	ainstream is continuing to consider such rights, through
	turbines for the Kokerboom Wind Farms will have a maximum tip		ac	ctively ensuring a suitable alignment within the assessed
	height of 225m (150m hub height 75m blade), as per the		СО	orridor Option 4 will adhere to BVIs requirements.
	Environmental Authorisations received for these projects. A			
	setback distance of at least 240m must therefore be maintained		■ B\	/I stated that the impacts to the economic viability of the
	between the proposed 132kV OHL and the Kokerboom turbines		Ko	okerboom Wind Farms and BVI's development rights have
	(225m tip-height setback 15m 240m). The 240m setback that		no	ot been identified or assessed in the DBARs.
	would be required either side of the proposed 132kV OHL is			
	illustrated in Annexure B2.		lt	should be noted that the Socio-Economic Specialist
			As	ssessment of the proposed power line corridor alternatives
-	With reference to the map in Annexure B2, it can clearly be seen		Wa	as undertaken in July in 2017, during which time the
	that there is insufficient space between the Kokerboom turbines		Er	nvironmental Impact Assessments (EIAs) for the proposed
	to accommodate the proposed 132kV OHL and the required		Ko	okerboom WEFs were still underway and the EAs had not
	240m setback. The Kokerboom Wind Farm layouts have been		be	een issued for these projects. No issues were raised by the
	designed so as optimize and maximize the wind resource on site,		ad	ljacent developer during this time and therefore no
	while minimising the environmental impact, as determined		ne	egative Socio-Economic issues which would prevent the
	through the Environmental Impact Assessments for these		de	evelopment of the proposed power line corridor
	projects. Unfortunately it is not possible for BVI to remove or		alt	ternatives were identified based on the information
	relocate the affected turbines within the 240m setback distance,		av	ailable at the time of the study. In addition, the positions
	as this would result in the turbines being placed in less-optimal3		of	the proposed turbines were not finalised and available at
	positions on site, which may reduce the energy production and		thi	is time, and therefore could not be considered in the Socio-
	economic viability of the Kokerboom Wind Farms and negatively		Ed	conomic Assessment. Correspondence from Aurecon, the
	affect the competitiveness of the tariff that could be achieved. The		Er	nvironmental Assessment Practitioner (EAP) which was
	relocation of Kokerboom turbines may also result in turbines		ар	ppointed by BVI to undertake the EIAs for the proposed
	being located in areas of higher environmental sensitivity, which		Ko	okerboom WEFs, showing that that the Final
	would not be desirable. It is further noted that the Kokerboom 1		Er	nvironmental Impact Assessment Reports (FEIArs) for the
	and Kokerboom 2 turbine positions have been authorised by the		ab	pove-mentioned projects were only submitted in August

	Issue/Comment	Raised By	Response
1 STAKEHO		OLDER / I&AP RELATED COMMENTS/	ISSUES
	DEA, while the Kokerboom 3 Wind Farm application is currently pending decision-making with the DEA. Any relocation of turbines		and October 2017 respectively is attached to this email. It should also be noted that the specialist's studies and Basic
	would require an amendment to the Environmental		Assessment Reports assessed the proposed power line
	Authorisations – with associated time and cost implications.		corridors and not the exact locations of the power lines, and
			therefore the exact impact to the economic viability of the
-	It is also noted that the 240m setback that would be required		Kokerboom WEFs could not be completely determined at
	either side of the proposed 132kV OHL would result in the		the time. However, through the public participation process
	effective sterilization of a corridor 480m wide over the Kokerboom		and the comments received by BVI in this matter,
	Properties, within which no turbines could be placed. This would		Mainstream are confident that BVI's development rights are
	reduce the buildable area available on the Kokerboom Properties,		duly being considered, and will continue be considered as
	and would materially and negatively impact the development		Mainstream aims to secure a grid line corridor with the least
	rights that have been conferred upon BVI by virtue of the		possible impact on the Kokerboom WEFs.
	Environmental Authorisations received for the Kokerboom 1 and		
	Kokerboom 2 Wind Farms, and would also impinge on BVI's		BVI have recommended a route that fits within power line
	future development prospects within their lease area (which		corridor Option 4 and therefore SiVEST is of the opinion that
	encompasses the full extent of the Kokerboom Properties).		the Socio-Economic findings and conclusions as previously
			assessed would remain unchanged. In addition, there are no
-	The impacts to the economic viability of the Kokerboom Wind		negative socio-economic issues which would prevent the
	Farms and BVI's development rights have not been identified or		development of power line corridor Option 4, provided BVIs
	assessed in the draft Basic Assessment Reports.		setback distances are adhered to during the design stages
			of the power line. This was subsequently confirmed by the
-	Due to the material negative impacts to the Kokerboom Wind		Socio-Economic Specialist.
	Farm layouts, and the associated decrease in energy production,		
	economic viability and competitiveness of these three projects,		A letter which was provided by the Socio-Economic
	as well as the negative impacts to future development prospects		Specialist with regards to the issue above is attached to this
	on the Kokerboom properties, BVI cannot support any of the four		email.
	proposed 132kV OHL Options as presented in the draft BARs,		

	Issue/Comment	Raised By	Response
	1 STAKEH	IOLDER / I&AP RELATED COMMENTS/	ISSUES
1	and hereby objects to the four applications for Environmental Authorisation for the Graskoppies, Hartebeest Leegte, Ithemba and !Xha Boom 132kV Power Lines. BVI does not wish to be unreasonably obstructive, and recognises the Applicant's need to connect to the Helios substation. BVI is therefore open to engaging with the Applicant in order to identify an alternate routing that would be feasible for the Applicant and which would minimise the impacts to the		We trust that this sufficiently addresses the comments and objection raised by BVI with regards to the DBARs for the proposed Graskoppies, Hartebeest Leegte, Ithemba and !Xha Boom 132kV Power lines and Substations. Stephan Jacobs, SiVEST
	Kokerboom Wind Farms. BVI recognises that the Applicant has proactively engaged with BVI on this matter, and thanks the Applicant for these positive engagements. During the most recent of these engagements, on Wednesday 24 January 2018, the Applicant proposed a variation of the "Option 4" routing, in which the 132kV OHL would be located on Portion 2 of Farm 213 (2/213) to the east of the Kokerboom properties, in the vicinity of the Kokerboom 3 Wind Farm (refer to Annexure C). Although this variation of Option 4 would still result in some sterilisation of land on BVI's lease area over the Remainder of the Farm Aan De Karree Doorn Pan No. 213 (RE/213), this routing would allow for a sufficient setback distance to be maintained between the 132kV OHL and the Kokerboom 3 turbines, which would suitably minimise the impact to the Kokerboom 3 Wind Farm.		

Issue/Comment	Raised By	Response
1 STAKEH	HOLDER / I&AP RELATED COMMENTS/	ISSUES
 BVI would offer no objection to the alternate Option 4 shown in Annexure C, subject to the consent of the affected Kokerboom land owner (owner of Farm RE/213). 		
■ The Applicant is advised that in terms of the leases held by BVI over the Kokerboom Properties, BVI's consent is required for the registration of any third-party servitudes over the Kokerboom Properties. The Applicant is therefore encouraged to continue to engage with BVI to identify a final OHL routing that would be supported by BVI, and the affected land owners.		
BVI hereby requests that the Applicant withdraw the four 132kV routing Options as currently presented in the draft BARs, and furthermore requests that the Applicant revise the Basic Assessment Reports to present the alternate Option 44 (or other routing agreed with BVI) as their preferred alternative for the 132kV OHL, prior to the submission of the reports to the DEA for decision-making.		
	ommunication Related Comments/Issu	
Requested SiVEST to register her as an Interest & Affected Party (I&AP) for the Environmental Impact Assessment (EIA) processes to be undertaken for the four (4) proposed wind farms (Graskoppies, Hartebeest Leegte, Ithemba and !Xha Boom), as well as their associated grid connections (eight applications in total)	Stephnie Kot Project Manager: Renewable Energy Project Development Email: 17 November 2016	Stephnie Kot was subsequently registered as an I&AP for the Environmental Impact Assessment (EIA) processes to be undertaken for the four (4) proposed wind farms (i.e. Graskoppies, Hartebeest Leegte, Ithemba and !Xha Boom), as well as their associated grid connections. Stephanie Knot will subsequently receive all project related information. **Andrea Gibb, SiVEST**

BASIC ASSESSMENT (BA) AND ENVIRONMENTAL MANAGEMENT PROGRAMME (EMPr) FOR THE PROPOSED CONSTRUCTION OF THE HARTEBEEST LEEGTE ON-SITE EKSOM SUBSTATION, LINKING SUBSTATION AND ASSOCIATED 132kV POWER LINE NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

Basic Assessment – FBAR

Issue/Comment	Raised By	Response			
1 STAKEHOLDER / I&AP RELATED COMMENTS/ ISSUES					
Requested to be registered as an I&AP for the Environmental Impact	Siphelele Dunga	Mr. Dunga was subsequently registered as an I&AP for the			
Assessment (EIA) processes to be undertaken for the four (4)	BioTherm Energy	Environmental Impact Assessment (EIA) processes to be			
proposed wind farms (Graskoppies, Hartebeest Leegte, Ithemba and	Registration and Comment Form: 09	undertaken for the four (4) proposed wind farms (i.e.			
!Xha Boom), as well as their associated grid connections.	February 2017	Graskoppies, Hartebeest Leegte, Ithemba and !Xha Boom), as			
		well as their associated grid connections. Mr. Dunga will			
		subsequently receive all project related information.			
		Andrea Gibb, SiVEST			
Requested that Mr. Eugene Marinus be registered as an I&AP for the	Jeannette-Anne Steenkamp	Mr. Marinus was registered as an I&AP for the proposed			
proposed development.	Registered I&AP: Municipal Council	development accordingly. Mr. Marinus will subsequently receive			
	Registration and Comment Form: 25	all project related information.			
	March 2017	Andrea Gibb, SiVEST			

Issue/Comment	Raised By	Response			
2 AUTHORITY RELATED COMMENTS/ ISSUES					
2.1	Project Related Comments/Issues				
Telkom SA granted Mainstream the approval to proceed with the construction of its energy project at the site subject to the following terms and conditions: Take note that the findings made by Telkom are based on simulation and calculated on a theoretical model, using available data and assumptions where no data was provided. Therefore, such findings may change at any time should any further information be made available to or come to Telkom's attention. At any time after the approval, and during construction of the project, should any radio transmissions be affected by construction activities, Telkom will give the Applicant 30 (thirty) days' written notice to minimise or reduce and/or remove the cause of the interference. Under no circumstances will Telkom be liable to the Applicant or any other third party for any damages, of any nature whatsoever, suffered as a consequence of the aforementioned request. Construction activities underneath, along, across or within close proximity to Telkom infrastructure must comply to the applicable Telkom guidelines relating to clearances between equipment and the proposed construction activity. Furthermore, the Applicant mist strictly adhere to and all installations must be fully compliant with the Occupational Health and Safety Act, 1993 (Act 85 of 1993). This approval is further subject to the submitted application's boundaries or structures listed in annexure 1 below, the materials used as well as the size and positioning of structures declared in	Leonard Shaw Senior Manager – Access Master Plans: Open Serve Email: 20 February 2017	Telkom SA's comments were duly noted. The comments have been forwarded to Mainstream and will be adhered during the pre-construction, construction, operation and decommissioning phases of the project. **Andrea Gibb, SiVEST** **Telkom SA's comments were duly noted. The comments have been forwarded to Mainstream and will be adhered during the pre-construction, operation and decommissioning phases of the project. **Andrea Gibb, SiVEST** **Telkom SA's comments were duly noted. The comments have been forwarded using the pre-construction, operation and decommissioning phases of the project. **Andrea Gibb, SiVEST** **Telkom SA's comments were duly noted. The comments have been forwarded using the pre-construction, operation and decommissioning phases of the project. **Andrea Gibb, SiVEST** **Telkom SA's comments were duly noted. The comments have been forwarded using the pre-construction, operation and decommissioning phases of the project. **Andrea Gibb, SiVEST** **Telkom SA's comments were duly noted. The comments have been forwarded using the pre-construction, operation and decommissioning phases of the project. **Telkom SA's comments have been forwarded using the project has been forwarded using the proje			

	Issue/Comment	Raised By	Response
	2 AU	THORITY RELATED COMMENTS/ ISSUI	ES
	the application. If any radio system is compromised by a deviation		
	of this submission and the deviation cannot be revered, the		
	Applicant shall be liable for the cost to re-establish or relocate the		
	service and under no circumstances will Telkom be liable to the		
	Applicant or any other third party for any damages, of any nature		
	whatsoever, suffered as a consequence.		
•	This approval is valid and applicable to and between Telkom and		
	the Applicant. It does not include approval by other electronic		
	communication operators that have a co-sharing agreement for		
	use on Telkom radio masts.		
•	Any additions, amendments, additional structures to be built or		
	change to the energy farm boundaries will require a fresh		
	application to Telkom.		
•	The validity of this approval is for a period of 12 (twelve) months.		
	If construction of the designed project commences after the		
	expiry of the twelve month period, the application must be re-		
	submitted to Telkom for evaluation and approval.		
•	This approval does not imply any right of access to Telkom		
	property or use of Telkom's access roads for construction or		
	maintenance of the design project. Permission must be obtained		
	from Telkom in this regard. Furthermore Telkom reserves the		
	right to claim damages in terms of Section 108 of the Post Office		
	Act No. 44 of 1958, for any loss sustained as a result of damage		
	to our electronic communications infrastructure.		
•	The Applicant shall, in the carrying out of any work or project take		
	all necessary precautions for the safety of Telkom's employees,		
	contractors, representatives and its property including the radio		

Issue/Comment	Raised By	Response			
2 AUTHORITY RELATED COMMENTS/ ISSUES					
links on or near the Site against damages as result of					
construction of the Applicant's energy project. the Applicant shall					
be liable for all and any direct and / or indirect, and / or					
consequential damages or injury that may be caused by the					
Applicant, its contractors, subcontractors, employees or					
representatives to any employee, contractor, representative or					
property of Telkom including radio links or land which may have					
been disturbed.					
Any work in connection with the construction of the Applicant's					
energy project shall be carried out by the Applicant, in such a way					
as to avoid any possible loss or inconvenience to the Telkom, its					
customers or the public, and on completion of such work, any					
property of Telkom, including radio links or land which may have					
been disturbed shall be restored to the same condition which it					
was in before commencement of the construction of energy					
project.					
■ In no event will Telkom, its employees, contractors,					
subcontractors or representatives be liable to the Applicant or					
anyone else for special, collateral, exemplary, direct, indirect,					
incidental, consequential or any other damages (including					
without limitation, loss of goodwill, loss of profits or revenues, loss					
of savings, loss of use, interruptions of business, and claims of					
the Applicant or injury) whether or not such damages or injury					
occurred prior or subsequent to, or are alleged as a result of any					
Telkom radio links approved and/or not approved in terms of this					
letter or as result of delict, even if Telkom SA has been advised					
of the possibility of such damages or injury.					

Issue/Co	omment		Raised By	Response
		2 AU	THORITY RELATED COMMENTS/ ISSU	ES
The following should be noted a	according to Annexure	1 of the	Leonard Shaw	Mr. Shaw's comments were duly noted and were forwarded to
comment letter which was sent by	Open Serve:		Senior Manager – Access Master	Mainstream.
 Only the points submitted in the 	e application that outline	s the outer	Plans: Open Serve	Andrea Gibb, SiVEST
boundary for the farm were us	• •		Email: 20 February 2017	
over or nearby the energy farm	•			
will be affected by turbines buil				
 The points listed below are re 				
WGS84 datum. If any dispute	J			
of these points then the Chief	•	•		
Information trigonometrical sys		-		
The points listed below form		-		
sequence, with the first and la				
approved area.	iot pointo in the not one	looning the		
approved area.				
		1		
Point Longit	ude (X) Latitude (Y)			
1 19.298	-30.254118			
2 19.277	-30.326084			
3 19.290	713 -30.326746			
4 19.342	621 -30.348900			
5 19.368	391 -30.296308			
6 19.379	-30.240162			

Issue/Comment				Raised By	Response	
2 AU			2 AU	THORITY RELATED COMMENTS/ ISSU	ES	
	7	19.409124	-30.229288			
	8	19.401894	-30.217844			
	9	19.370962	-30.215015			
	10	19.286149	-30.233860			
	1	19.298160	-30.254118			
It was stated that the proposed applications fall in the Lower Orange Water Management Area, SiVEST were also informed that Mrs. Adeyileka has given the document to one (1) of her colleagues at DWS (namely Kelebogile Moalosi) so that LO staff can assist SiVEST further.		Esther Adeyileka Department of Water and Sanitation (DWS) Email: 25 July 2017	Mrs. Adeyileka's comments were duly noted. Kelebogile Moalosi was added to the database and sent all reports that were released for public review. Stephan Jacobs, SiVEST			
It was stated that the EAP can contact DWS once they are ready to proceed with the application for the Water Use License (WUL) or General Authorisation (GA). In addition, it was stated that a meeting and site inspection will be required for start.		Khutjo Sekwaila Department of Water and Sanitation (DWS) Northern Cape Region Email: 08 August 2017	The comments from DWS were noted. The applicant will ensure that DWS is contacted by the appointed consultant once the WUL application is ready to proceed. A site meeting and site inspection will be arranged with DWS once Mainstream are ready to proceed with the application for the WUL. All correspondence undertaken with DWS throughout the BA process is included in Appendix 7D of the FBAR. Stephan Jacobs, SiVEST			
A letter from Bildevelopment of the going EIA process	e four (4) wind energy faci	lities (part of se	parate on-	Samantha Ralston-Paton Birds and Renewable Energy Manager BirdLife Email: 30 November 2017	The overhead high voltage transmission lines connecting the Leeuwberg wind farms to the existing Eskom Helios Substation has been assessed in a separate basic assessment process. This report has been made available to Birdlife SA for comment

Issue/Comment	Raised By	Response			
2 AUTHORITY RELATED COMMENTS/ ISSUES					
 made with regards to the proposed substation and power line developments: We note that the transmission-line will be assessed in a separate application. We urge that the impacts on species such as Ludwig's Bustard are not overlooked, as these impacts will be difficult to mitigate. The extent of new lines should therefore be minimised. 		during the 30-day public comment period. The risk to Ludwig's Bustard has been specifically considered by the avifaunal specialist during this process. Chris Van Rooyen, Avifauna Specialist, Chris Van Rooyen Consulting			
It should be note that comments received from BirdLife SA with regards to the wind farm developments were addressed in the C&RR which was submitted as part of the FEIARs for the wind farm developments. Dr. Ramotholo Sefako sent SiVEST comments from the SAAO with regards to the proposed four (4) Mainstream Wind Farms and associated grid line connections near Loeriesfontein, Northern Cape.	Dr. Ramotholo Sefako Head of Telescope Operations (TOPS) SAAO Email: 04 December 2017	The comments / concerns from SAAO are noted and will be taken into consideration. In addition, mitigation measures which are designed to reduce the impacts from light and dust are included in the EMPr.			
The following was stated: The proposed four Mainstream Wind Farms and Associated Grid Line Connection near Loeriesfontein, Northern Cape Province, are considerably far from Sutherland and outside of the declared Sutherland Central Astronomy Advantage Area. We don't think that the facilities will have any measurable impact on optical astronomy at the Southern African Large Telescope (SALT) at the South African Astronomical Observatory (SAAO) observing station near Sutherland. Our main concern as optical astronomy research facility	Email. 04 December 2017	Hlengiwe Ntuli, SiVEST			

Issue/Comment	Raised By	Response
2 AU	THORITY RELATED COMMENTS/ ISSUI	ES
are related to impacts from light and dust that may be generated		
during development and operation of wind farms. Light and dust		
pollution negatively affect the quality of optical observations.		
A letter from NC DRPW was provided in response to proposed	Jaco Roelofse	The conditions stipulated in the NC DRPW letters are noted and
development of four wind energy facilities.	Director: Roads Planning and Design NC DR & PW	will be taken into consideration and adhered to at all times in
	Email: 06 December 2017	case any work is undertaken with the statutory road reserve or
The Department of Roads and Public Works (DRPW) does not have	Email: 00 Boodings: 2017	within a distance of 95 meters from the centerline of any building
objections against the application, subject to the following conditions		restriction road and within the statutory road reserve of within 5
that must be complied with at all times in case any work undertaken		meters from the statutory boundary of any public road.
with the statutory road reserve or within a distance of 95 meters from		Hlengiwe Ntuli, SiVEST
the centerline of any building restriction road (advertising on Roads		
and Ribbon development Act, no.21 of 1940) and within the statutory		
road reserve of within 5 meters from the statutory boundary of any		
public road (Roads Ordinance, 19 of 1976).		
1. The applicant must submit a detailed layout design for the		
approval prior to any works (the proposed 132kV grid line). The		
designs must include but not limited to; The offset distance		
referencing from the centerline of the road, height clearance and		
etc.		
2. The roads that will be affected by your proposal are DR2972,		
DR2977 and OG240.		
3. The applicant must investigate all the existing services (sewer		
lines, pipelines, underground cables and overhead cables)		
passing through or alongside that specific (proposed works) area.		
4. Poles or towers carrying power lines in excess of 22kV must be		
erected outside the statutory road width and not closer than 50		
meters to the centerline of the road concerned.		

Issue/Comment	Raised By	Response			
2 AUTHORITY RELATED COMMENTS/ ISSUES					
5. In cases where an overhead power line crossed a public road:					
a) The poles and/or towers must comply with the distances and					
road clearances as per Eskom Standards and;					
b) Provision must be made for a vertical clearance as					
prescribed by the Factories, Machinery and Building Act,					
1941 but in any case not lea than 8 meters measured from					
the highest point of the road to the lowest wire or safety net.					
6. All excavations with the statutory road width will be reinstated by					
the supplicant to the satisfaction of the District Roads Engineer					
concerned.					
7. If any fence along the road boundaries is removed by the					
applicant or is damaged through his activities, it must be restored					
to the original standard.					
This response letter des not exempt the applicant from complying with					
any other law that may be applicable to the proposed work and					
related activities.					
SAHRA thanked SiVEST for the notification regarding the availability	Natasha Higgitt	All the relevant documents were uploaded to the applicable			
of the Draft Basic Assessment Report (DBAR) and requested that	Heritage Officer: Archaeology,	application on SAHRIS as requested. In addition, SAHRA were			
SIVEST ensure that all the relevant documents are uploaded to an	Palaeontology and Meteorites Unit	informed about this via email once it was completed.			
application on SAHRIS so that an official comment can be issued.	SAHRA	Stephan Jacobs, SiVEST			
	Email: 15 December 2017				
SAHRA informed SiVEST that the location of the project had not been	Natasha Higgitt	A KML file which maps the location of the proposed project was			
mapped on the GIS layer of the application in SAHRIS. SiVEST were	Heritage Officer: Archaeology,	uploaded to the application on SAHRIS as requested. An email			
requested to complete this as soon as possible, as SAHRA would not	Palaeontology and Meteorites Unit	was sent to Mrs. Higgitt by SiVEST to inform her when this had			
be able to issue a Final Comment without a complete application.	SAHRA	been completed.			
	Email: 10 January 2018	Stephan Jacobs, SiVEST			

Issue/Comment	Raised By	Response			
2 AUTHORITY RELATED COMMENTS/ ISSUES					
It was confirmed that no land claims appear on the database of the	Refilwe Sekwati	The Northern Cape Regional Land Claims Commission's			
Regional Land Claims Commission: Northern Cape in respect of the	Communication Division –	comments were duly noted and were forwarded to Mainstream.			
property. This includes the database for claims lodged by 31	Regional Land Claims	In addition, should the applicant or EAP be aware of any change			
December 1998; and those ledged between 1 July 2014 and 27 July	Commission: Northern Cape	in the description of the property in question after 19 June 1913,			
2016 in terms of the Restitution of Land Rights Amendment Act, 2014.	Email: 12 January 2017	such description will be supplied to the Commission so as to			
		enable them to do a further search.			
Whilst the Commission takes reasonable care to ensure the accuracy		Andrea Gibb, SiVEST			
of information it provides, there are various factors that are beyond					
the Commission's control, particularly relating to claims that have					
been lodged but not yet been gazette such as:					
 Some Claimants referred to properties they claim dispossession 					
of rights in land against historical property descriptions which may					
not match the current property description; and					
Some Claimants provided the geographic descriptions of the land					
they claim without mentioning particular actual property					
description they claim dispossession of rights in land against.					
The Commission therefore does not accept any liability whatsoever if					
through the process of further investigation of claims it is found that					
there is in fact a land claim in respect of the property in question.					
If the applicant or EAP are aware of any change in the description of					
the property in question after 19 June 1913, such description should					
be supplied to the Commission so as to enable them to do a further					
search.					
SAHRA provided a Final Comment in response to the proposed	Natasha Higgitt	The comments from SAHRA were duly noted and were			
construction of the On-site Eskom Substation, Linking Substation and		forwarded to Mainstream for consideration. In addition, the			

Issue/Comment	Raised By	Response			
2 AUTHORITY RELATED COMMENTS/ ISSUES					
associated 132kV Power Line. The following Final Comments were	Heritage Officer: Archaeology,	conditions stipulated in the Final Comments were included in the			
provided:	Palaeontology and Meteorites Unit	EMPr as requested. The EMPr is included in Appendix 8 .			
	SAHRA	Stephan Jacobs, SiVEST			
The SAHRA Archaeological, Palaeontological and Meteorites (APM)	Email: 18 January 2018				
Unit has no objection to the development and supports the					
recommendations of the specialists and the recommendations within					
the EMPr as referred to above. The recommendations of the					
specialists and the following conditions apply to the development and					
must be included in the EMPr:					
A walk down of the final route alignment and infrastructure					
locations must be conducted by a qualified archaeologist before					
construction commences. A report detailing the results of the					
walk down must be submitted to SAHRA for comment prior to the					
construction phase commencing. No construction can occur					
without comments from SAHRA in this regard;					
A Fossil Finds Procedure must be developed and incorporated					
into the EMPr;					
The Final BAR and appendices must be submitted to the SAHRIS					
application when submitted to the Competent Authority;					
If any evidence of archaeological sites or remains (e.g. remnants)					
of stone-made structures, indigenous ceramics, bones, stone					
artefacts, ostrich eggshell fragments, charcoal and ash					
concentrations), fossils or other categories of heritage resources					
are found during the proposed development, SAHRA APM Unit					
(Natasha Higgitt/Phillip Hine 021 462 5402) must be alerted. If					
unmarked human burials are uncovered, the SAHRA Burial					
Grounds and Graves (BGG) Unit (Thingahangwi Tshivhase/Mimi					

Issue/Comment	Raised By	Response
2 AU	ES	
Seetelo 012 320 8490), must be alerted immediately. A professional archaeologist or palaeontologist, depending on the nature of the finds, must be contracted as soon as possible to inspect the findings. If the newly discovered heritage resources prove to be of archaeological or palaeontological significance, a Phase 2 rescue operation may be required subject to permits issued by SAHRA. Should the project be granted Environmental Authorisation, SAHRA must be notified and all relevant documents submitted to the case file. A letter from the DEA's Biodiversity Conservation Department was provided in response to the proposed construction of the On-site Eskom Substation, Linking Substation and associated 132kV Power Line. The letter stated that the following information must be included in the	Ms. Wilma Lutsch Director: Biodiversity Conservation Department of Environmental Affairs Email: 05 February 2018	The comments from the DEA's Biodiversity Conservation Department were duly noted and were addressed in the FBAR accordingly. The EMPr which was submitted as part of the FBAR clearly indicated the biodiversity impacts that might occur as a result
 After the evaluation of the DBAR and specialist reports submitted for the proposed development, it is recommended that the following be considered during the FBAR: The EMPr to be submitted as part of the final BAR must clearly indicate the biodiversity impacts that might occur as a result of the proposed project and the proposed mitigation measures thereof. The EMPr must not contact any ambiguity. Where applicable, statements containing the "should" are to be amended to "must"; 		of the proposed project and the proposed mitigation measures thereof. The EMPr did also not contain any ambiguity and where applicable, statements containing the "should" were amended to "must"; • Any Provincial Biodiversity Conservation Plan or guideline which was applicable for the proposed development was considered and made reference to. In addition, efforts were made throughput the BA process to obtain comments from relevant conservation authorities. Proof of this is detailed in Table 27 in Section 7.12 of the FBAR.

Issue/Comment	Raised By	Response
2 AU	THORITY RELATED COMMENTS/ ISSUI	ES
 You are further advised to consider or make reference to any Provincial Biodiversity Conservation Plan or guideline in your report and to obtain comments from relevant conservation authorities. Also ensure that the Final BAR includes at least one A3 regional map of the area, ecological sensitivity map and the locality map included in the final BAR illustrate the different alternatives. The maps must be of acceptable quality and as a minimum, have the following attributes: Maps are relatable to one another; Cardinal points; Co-ordinates; Legible legends; Indicate alternatives; Latest land cover; Vegetation types of the study area. You are requested to submit one (1) unprotected electronic copy 		 SiVEST ensured that the FBAR included at least one (1) A3 regional map of the area and ecological sensitivity map. In addition, the locality map included in the FBAR illustrated the different alternatives. These maps are of acceptable quality and had all the attributes as stipulated in the comment letter: An unprotected electronic copy (on CD) of the complete FBAR which includes the locality and ecological sensitivity maps will be submitted to the Directorate as requested, with attention to Mr. Stanley Tshitwamulomoni. Stephan Jacobs, SiVEST
(CD/DVD) of the complete final report which include the locality		
and ecological sensitivity map to this Directorate with attention to Mr. Stanley Tshitwamulomoni.		
2.2 Surroun	ding Infrastructure Related Comments	s/Issues
Eskom requirements for works at or near Eskom infrastructure for	John Geeringh	These documents were forwarded to Mainstream and will be
consideration during the BA process, as well as Renewable Energy	Eskom GC: Land Development	strictly adhered to during the pre-construction, construction,
Generation Plant Setbacks to Eskom Infrastructure, were sent to SIVEST.	Email: 02 May 2017	operation and decommissioning phases of the project. In

Issue/Comment	Raised By	Response
2 AU	THORITY RELATED COMMENTS/ ISSU	ES
		addition, these documents were attached to the Draft and Final EMPr which was included in the DBAR and FBAR. Andrea Gibb, SiVEST
 Sentech analysed the information provided by Mainstream in accordance the provisions of Section 29(1) (c) of the Electronic Communications Act no. 36 of 2005, and specifically the location of the site; It was confirmed that there would be limited degradation of Sentech transmitted Terrestrial UHF/CHF Television (TV), and/or FM radio services in the planned development area; Sentech therefore grant Mainstream approval to proceed with the construction of its energy project at the site subject to the following terms and conditions; Due to the fact that the findings made by Sentech are based on simulations and calculated on a theoretical model, using available data and assumptions where no data was provided, such findings may change at any time should any further information be made available to or come to Sentech's attention; At any time after the approval, and during construction of the project, should any radio transmissions be affected by construction activities, Sentech will give the applicant 7 (seven) days' written notice to remove the cause of the interference; 	Serame Motlhake Manager - Broadcast Planning: Sentech Email: 08 March 2017	Sentech's comments were duly noted. The comments have been forwarded to Mainstream, who will adhere to all terms and conditions provided by Sentech during the pre-construction, construction, operation and decommissioning phases of the project. Andrea Gibb, SiVEST
 Under no circumstances whatsoever will Sentech be liable to the applicant or any third party for any damages, loss or costs, of any nature whatsoever or howsoever arising, 		

	Issue/Comment	Raised By	Response
	2 AU	THORITY RELATED COMMENTS/ ISSUI	ES
	suffered as a consequence of the aforementioned request		
	and the applicant fully indemnify Sentech;		
0	Sentech prior written consent must first be obtained before		
	any construction activities underneath, along, across or		
	within close proximity to Sentech infrastructure can begin		
	and shall comply with the applicable Sentech guidelines		
	relating to clearances between equipment and the proposed		
	construction activity. Furthermore, the applicant shall clearly		
	adhere to, and ensure all installations shall be fully		
	compliant with the Occupational Health and Safety Act No.		
	85 of 1993;		
0	This approval is further subject to the submitted applications		
	boundaries or structures listed in annexure 1 of the		
	comment letter, the materials use, as well as the size and		
	positioning of structures declared in the application. If the		
	services of Sentech or its clients is in any way compromised		
	by a deviation or change of this submission, the applicant		
	shall be liable for all costs to re-establish, or relocate the		
	services, and under no circumstances whatsoever will		
	Sentech be liable to the applicant or any other third party for		
	any damages, loss or costs, of any nature whatsoever or		
	howsoever arising, suffered as a consequence;		
0	This approval is valid and applicable between Sentech and		
	the applicant only. It does not include any approval for any		
	of the other electronic communication operators which have		
	current co-sharing agreements to utilise Sentech's radio		
	masts;		

	Issue/Comment	Raised By	Response
2 AUTHORITY RELATED COMMENTS/ ISSUES			ES
0	Any additions, amendments, additional structures to be built, or any change to the energy farm boundaries, will require a new application to Sentech;		
0	The validity of this approval is for a period of 12 (twelve) months. If construction of the designed project commences after the expiry of the twelve month period, the application must be re-submitted to Sentech for further evaluation and approval;		
0	This approval does not imply any rights of access whatsoever to Sentech property or use of Sentech's access roads for construction or maintenance of the design project. Separate permission must be obtained from Sentech in this regard. Furthermore, Sentech reserves the right to claim damages in terms of Section 29 of the Act, for any loss or damages sustained as a result of damages to any of Sentech's electronic broadcast and communications		
0	infrastructure; The applicant shall, in carrying out any work or project, take all the necessary precautions for the safety of Sentech's employees, contractors, representatives and its property including the radio transmitters and links on or near the site against damages as a result of construction of the applicant's energy project;		
0	The applicant shall be liable for all and any direct and/or indirect, and/or consequential damages or injury that may be caused by the applicant, its contractors, subcontractors, employees, agents or representatives to any employee,		

Issue/Comment	Raised By	Response
2 AU	THORITY RELATED COMMENTS/ ISSUI	ES
contractor, representative or property of Sentech including radio network transmitters and/or links or land which may have been disturbed shall be restored to the same condition in which it was before commencement of the construction of the energy project; o In no event will Sentech, its employees, contractors, or representatives be liable to the applicant or any third party whatsoever for special, collateral, exemplary, direct, indirect, incidental, consequential or any other damages of any nature whatsoever or howsoever arising (including without limitation, loss of goodwill, loss of profits or revenues, loss of savings, loss of use, interruptions or noisiness, or injury) whether or not such damages or injury occurred prior or subsequent to, or are alleged as a result of any Sentech radio network approved and/or not approved in terms of this letter, even if Sentech has been advised of the possibility of such damages or injury. The following should be noted according to Annexure 1 of the	Serame Motlhake	Sentech's comments were duly noted. The comments have
 The planned Leeuwberg Suite Wind Turbine Generators (WTG's) are close (between 108km and 117km) to the Garies and Calvinia transmitter respectively. These WTG;s will consist of a total amount of 188 WTG's; WTG interference calculations and predictions which included 188 planned WTG's were completed successfully. The interference calculations and predictions indicated that the 	Manager - Broadcast Planning: Sentech Email: 08 March 2017	been forwarded to Mainstream. Andrea Gibb, SiVEST

Issue/Comment	Raised By	Response
2 AU	THORITY RELATED COMMENTS/ ISSUI	ES
WTG'S will have the potential to cause limited interferences on		
the existing VHF TV broadcast services;		
The only analogue service that might be affected which is SABC		
2 within the Garies (C30) and Calvinia (C21) transmitter stations		
coverage area. Digital UHF TV service that might be affected is		
Mux1 within the Garies (C30) and Calvinia (C21) transmitter		
stations coverage area;		
Conclusion on the results and findings of the planned 188 total		
amount of WTG's in Leeuwberg Suite can be summarised as		
follows:		
o Potential interferences on analogue and Digital VHF/UHF		
TV coverage will not affect the quality of viewer services in		
the surrounding areas;		
o Potential interference on digital UHF TV coverage will not		
affect the quality of viewer services in the services I the		
surrounding areas;		
 None of the existing analogue or DTT RBR broadcast feeds 		
in the above mentioned areas will be affected;		
 No interference on FM services will be experienced; and 		
 None of the existing FM RBR feeds broadcast feds in the 		
area will be affected.		
2.3 Co	ommunication Related Comments/Issu	es
SiVEST were informed that Mr. Roberts will no longer be available to	Harry Roberts	Mr. Roberts' comments were duly noted. SiVEST will address all
assist with queries from the 31st of August 2017 as his contract	South African Civil Aviation Authority	correspondence intended for Mr. Harry Roberts to
reaches maturity on the 31st of August 2017. In order to ensure	(SACAA)	Obstacles caa.co.za. Urgent enquiries will be directed to Mr.
continuity of service, SiVEST were informed to address all	Email: 25 July 2017	Werner Kleynhans accordingly.
correspondence intended for Mr. Harry Roberts to		Andrea Gibb, SiVEST

Issue/Comment	Raised By	Response	
2 AUTHORITY RELATED COMMENTS/ ISSUES			
Obstacles caa.co.za, from where it will be accessed and acted upon accordingly. Urgent enquiries should be directed to Mr. Werner Kleynhans (011 545 1468). SANBI requested to be de-registered as an I&AP for the Environmental Impact Assessment (EIA) processes being undertaken for the four (4) proposed wind farms (Graskoppies,	Kensani Mangena Project Officer: Municipal Support SANBI	SiVEST thanked SANBI for their response / comment and informed them that this was received and noted. SiVEST subsequently removed SANBI as an I&AP for these projects as	
Hartebeest Leegte, Ithemba and !Xha Boom), as well as their associated grid connections.	Email: 06 September 2017	requested. Stephan Jacobs, SiVEST	
It was enquired as to who the "role players" are for the proposed development. The Municipal Manager wants to arrange a meeting with the relevant parties as early as possible in January 2018. A name, address and contact details for a relevant person from Mainstream were requested.	Riana Lock Hantam Local Municipality Email: 12 December 2017	The contact details for Mrs. Rebecca Thomas from Mainstream were forwarded to Mrs. Lock as requested. Rebecca Thomas is Development Executive at Mainstream and is the appropriate contact person with regards to the proposed Substation and Power Line Developments near Loeriesfontein Stephan Jacobs, SiVEST	
It was requested that SiVEST forward Ms. / Mrs. Riana Lock the contact details for someone at Mainstream, the developer who is proposing the construction of the Substation and Power Line Developments near Loeriesfontein.	Riana Lock Hantam Local Municipality Email: 20 December 2017	The contact details for Mrs. Rebecca Thomas from Mainstream were forwarded to Mrs. Lock as requested. Rebecca Thomas is Development Executive at Mainstream and is the appropriate contact person with regards to the proposed Substation and Power Line Developments near Loeriesfontein Stephan Jacobs, SiVEST	
It was stated that although the relevant processes for the proposed development are being dealt with in accordance with relevant legislation, Mainstream are requested to facilitate conversation with other developers in the surrounding area in order to clarify any other institutional challenges that may entail the permit.	JI Swartz Municipal Manager: Hantam Local Municipality Email: 18 January 2018	The comments from the Hantam Local Municipality were duly noted and were forwarded to Mainstream for consideration. It should be noted that Mainstream will continuously consult with surrounding developers in order to overcome any development challenges. Stephan Jacobs, SiVEST	

Issue/Comment	Raised By	Response
2 AU	THORITY RELATED COMMENTS/ ISSU	ES
It will be irresponsible should the Hantam Municipal Council not be		
given a chance to clear up the consequences of any future		
development.		
The following comments on the DBAR were received from the	Samkelisiwe Dlamini	All comments on the DBAR received from the DEA have been
Department of Environmental Affairs (DEA):	Case Officer: Department of	adequately addressed in the FBAR. In addition, all requirements
	Environmental Affairs (DEA)	stipulated in the DEA comments have been met accordingly.
■ <u>Listed Activities:</u>	Email: 12 February 2018	Refer to Table 6 in Section 2 for details regarding how all
Please make sure that the relevant listed activities are included in the		requirements have been met, as well as how the comments were
final BAR. Should there be other activities which were not included in		addressed.
the application form which are now uncovered, please make sure that		Stephan Jacobs, SiVEST
the application form is amended to include all the listed activities.		
■ Content of the BAR:		
The coordinates as provided in the DBAR must be in degrees minutes		
and seconds and should include all the bending points of the power		
line from the starting point to the finishing point.		
 Public Participation Process (PPP): 		
The following information must be submitted with the final BAR:		
 Newspaper advert (both in English and a widely used local language); 		
 Proof of on-site notice; 		
 Proof of notification and submission of draft BAR to registered 		
interested and affected parties and organ of states (including		
the DEA - Biodiversity and Conservation);		

Issue/Comment	Raised By	Response
2 AUTHORITY RELATED COMMENTS/ ISSUES		
 Copies of all comments received during draft BAR comment period must be submitted; and A comments and response report (C&RR) must be submitted with the final BAR. The C&R report must incorporate all historical comments for this development, as well as all comments received during the public participation process for the current draft BAR, including all official comments received from this Department, and all responses provided to those comments. All the comments received as part of the PPP are not in English and must be translated English. Layout Map: Layout Map: A copy of the final site layout map must be submitted and all available biodiversity information must be used in the finalisation of the layout map. 		
■ You are further reminded to comply with regulation 19(1)(a) of the Environmental Impact Assessment Regulations, 2014, as amended, which states that: "Where basic assessment must be applied to an application, the applicant must, within 90 days of receipt of the application by the competent authority, submit to the competent authority — (a) a basic assessment report, inclusive of specialist reports, an EMPr, and where applicable a closure plan, which have been subjected to a public participation process of at least 30 days and which reflects the incorporation of comments received, including any comments of the competent authority"		

	Issue/Comment	Raised By	Response
	2 AU	THORITY RELATED COMMENTS/ ISSU	ES
-	Should you fail to meet any of the timeframes stipulated in Regulation 19 of the Environmental Impact Assessment Regulations (2014), as amended, your application will lapse.		
-	You are hereby reminded that should the BAR fail to comply with the requirements of this acceptance letter, the environmental authorisation may be refused.		
-	Furthermore, it must be reiterated that, should an application for Environmental Authorisation be subject to the provisions of Chapter II, Section 38 of the National Heritage Resources Act, Act 25 of 1999, then this Department will not be able to make nor issue a decision in terms of your application for Environmental Authorisation pending a letter from the pertinent heritage authority categorically stating that the application fulfils the requirements of the relevant heritage resources authority as described in Chapter II, Section 38(8) of the National Heritage Resources Act, Act 25 of 1999. Comments from SAHRA and/or the relevant provincial heritage authority must be provided in the BAR.		
•	You are requested to submit two (2) unprotected electronic copies (CD/DVD and two (2) hard copies of the BAR to the Department as per Regulation 23 1) of the EIA Regulations, 2014, as amended.		

BASIC ASSESSMENT (BA) AND ENVIRONMENTAL MANAGEMENT PROGRAMME (EMPr) FOR THE PROPOSED CONSTRUCTION OF THE HARTEBEEST LEEGTE ON-SITE EKSOM SUBSTATION, LINKING SUBSTATION AND ASSOCIATED 132kV POWER LINE NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

Basic Assessment – FBAR

	Issue/Comment	Raised By	Response			
	2 AUTHORITY RELATED COMMENTS/ ISSUES					
•	You are hereby reminded of Section 24F of the National					
	Environmental Management Act, Act No 107 of 1998, as					
	amended, which stipulates that no activity may commence prior					
	to an Environmental Authorisation being granted by the					
	Department.					
١.	Further note that in terms of Regulation 45 of the EIA Regulations					
	2014, as amended, this application will lapse if the applicant fails					
	to meet any of the timeframes prescribed in terms of these					
	Regulations, unless an extension has been granted in terms of					
	Regulation 3(7).					



Appendix 7F I&AP Database

ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) AND ENVIRONMENTAL MANAGEMENT PROGRAMMES (EMPrs) FOR THE PROPOSED DEVELOPMENT OF FOUR (4) WIND FARMS AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTIONS NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

Environmental Impact Assessment I&AP Database

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Eddie	Lennox	Eskom Transmission Limited
Patrick	Lenyibi	DEPARTMENT OF SPORT, ARTS & CULTURE
Aaron	Lephalo	Solar Power Plant Construction
Deidre	Lesch	WWF
Bertram	Leukes	Hantam Local Municipality
Braam	Lintvelt	Plaas: Aan de Karee Doornpan
Riana	Lock	Hantam Plaaslike Munisipaliteit
Frans	Lombard	Plaas: Karree Doorn 214, Ptn 1
Gys	Lombard	Plaas: Karree Doorn 214, Ptn 1
Jannie	Loubser	Namakwa District Municipality
Alwyn	Louw	
Albie	Louw	Plaas: Hartebeest Leegte 216, Ged 1
Hermanus	Louw	Portion 1 of the Farm Hartebeest Leegte No. 216
Nico	Louw	Portion 2 of the Farm Gras Koppies No. 176
Dave	Lucas	Eskom: Corporate Sustainability
Kate	MacEwan	South African Bat Assessment Association
Moses	Mahunonyane	Department of Water & Sanitation
Ester	Makungo	Department of Water & Sanitation
Jacoline	Mans	Department of Agriculture, Forestry & Fisheries
Mashudu	Marubini	DAFF Provinical Department
Simphiwe	Masilela	Air Traffic Navigation Services
Pheladi	Masipa	Department of Energy
Rochelle	McPherson	Eskom Wayleave
Thabani	Mhlongo	South African Weather Service
Melanie	Miles	Leads 2 Business
Elias	Mohapi	Solar Power Plant Construction
Lerato	Mokgwatlheng	Eskom Holdings SOC Limited
Ishmael	Mokhati	Solar Power Plant Construction
Tshegofatso	Monama	Square Kilometre Array
Johanna	Morobane	Air Traffic Navigation Services
Lungile	Motsisi	Eskom Transmission Limited
Thulani	Mthombeni	NC Dept of Environment and Nature Conservation
Vincent	Muila	Department of Mineral Resources (DMR)
George	Muller	Hantam Local Municipality
Serah Masala	Muobeleni	DAFF
	MUUDEICHI	ואלו
Henning	Myhurg	Agri SA: Northern Cane
Henning	Myburg	Agri SA: Northern Cape
Ono	Naude	Vodacom
Ono Onwabile	Naude Ndzumo	Vodacom NC Dept of Environment and Nature Conservation
Ono Onwabile Koosie	Naude Ndzumo Nel	Vodacom NC Dept of Environment and Nature Conservation Potrion 1 of Graskoppies 176
Ono Onwabile Koosie Hermanus	Naude Ndzumo Nel Nel	Vodacom NC Dept of Environment and Nature Conservation Potrion 1 of Graskoppies 176 Remainder of the Farm Hartebeest Leegte No. 216
Ono Onwabile Koosie Hermanus Joseph	Naude Ndzumo Nel Nel Nhlapo	Vodacom NC Dept of Environment and Nature Conservation Potrion 1 of Graskoppies 176 Remainder of the Farm Hartebeest Leegte No. 216 SENTECH
Ono Onwabile Koosie Hermanus Joseph Jasper	Naude Ndzumo Nel Nel Nhlapo Nieuwoudt	Vodacom NC Dept of Environment and Nature Conservation Potrion 1 of Graskoppies 176 Remainder of the Farm Hartebeest Leegte No. 216
Ono Onwabile Koosie Hermanus Joseph Jasper David	Naude Ndzumo Nel Nel Nhlapo Nieuwoudt Ockhuys	Vodacom NC Dept of Environment and Nature Conservation Potrion 1 of Graskoppies 176 Remainder of the Farm Hartebeest Leegte No. 216 SENTECH Department of Mineral Resources
Ono Onwabile Koosie Hermanus Joseph Jasper David Gizella	Naude Ndzumo Nel Nel Nhlapo Nieuwoudt Ockhuys Opperman	Vodacom NC Dept of Environment and Nature Conservation Potrion 1 of Graskoppies 176 Remainder of the Farm Hartebeest Leegte No. 216 SENTECH Department of Mineral Resources Hantam Local Municipality
Ono Onwabile Koosie Hermanus Joseph Jasper David Gizella Richwell	Naude Ndzumo Nel Nel Nhlapo Nieuwoudt Ockhuys Opperman Phale	Vodacom NC Dept of Environment and Nature Conservation Potrion 1 of Graskoppies 176 Remainder of the Farm Hartebeest Leegte No. 216 SENTECH Department of Mineral Resources Hantam Local Municipality Solar Power Plant Construction
Ono Onwabile Koosie Hermanus Joseph Jasper David Gizella Richwell Mmatlala	Naude Ndzumo Nel Nel Nhlapo Nieuwoudt Ockhuys Opperman Phale Rabothata	Vodacom NC Dept of Environment and Nature Conservation Potrion 1 of Graskoppies 176 Remainder of the Farm Hartebeest Leegte No. 216 SENTECH Department of Mineral Resources Hantam Local Municipality Solar Power Plant Construction Department of Environmental Affairs
Ono Onwabile Koosie Hermanus Joseph Jasper David Gizella Richwell Mmatlala Samantha	Naude Ndzumo Nel Nel Nhlapo Nieuwoudt Ockhuys Opperman Phale Rabothata Ralston-Paton	Vodacom NC Dept of Environment and Nature Conservation Potrion 1 of Graskoppies 176 Remainder of the Farm Hartebeest Leegte No. 216 SENTECH Department of Mineral Resources Hantam Local Municipality Solar Power Plant Construction Department of Environmental Affairs Bird Life South Africa
Ono Onwabile Koosie Hermanus Joseph Jasper David Gizella Richwell Mmatlala Samantha Ntsundeni	Naude Ndzumo Nel Nel Nhlapo Nieuwoudt Ockhuys Opperman Phale Rabothata Ralston-Paton Ravhogoni	Vodacom NC Dept of Environment and Nature Conservation Potrion 1 of Graskoppies 176 Remainder of the Farm Hartebeest Leegte No. 216 SENTECH Department of Mineral Resources Hantam Local Municipality Solar Power Plant Construction Department of Environmental Affairs Bird Life South Africa Department of Mineral Resources (DMR)
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Ono Onwabile Koosie Hermanus Joseph Jasper David Gizella Richwell Mmatlala Samantha Ntsundeni Nicole Harry	Naude Ndzumo Nel Nel Nhlapo Nieuwoudt Ockhuys Opperman Phale Rabothata Ralston-Paton Ravhogoni Reddy Roberts	Vodacom NC Dept of Environment and Nature Conservation Potrion 1 of Graskoppies 176 Remainder of the Farm Hartebeest Leegte No. 216 SENTECH Department of Mineral Resources Hantam Local Municipality Solar Power Plant Construction Department of Environmental Affairs Bird Life South Africa Department of Mineral Resources (DMR) WWF-SA SA CAA
Ono Onwabile Koosie Hermanus Joseph Jasper David Gizella Richwell Mmatlala Samantha Ntsundeni Nicole Harry Lucia	Naude Ndzumo Nel Nel Nhlapo Nieuwoudt Ockhuys Opperman Phale Rabothata Ralston-Paton Ravhogoni Reddy Roberts Rodrigues	Vodacom NC Dept of Environment and Nature Conservation Potrion 1 of Graskoppies 176 Remainder of the Farm Hartebeest Leegte No. 216 SENTECH Department of Mineral Resources Hantam Local Municipality Solar Power Plant Construction Department of Environmental Affairs Bird Life South Africa Department of Mineral Resources (DMR) WWF-SA SA CAA Western Cape Black Eagle Project
Ono Onwabile Koosie Hermanus Joseph Jasper David Gizella Richwell Mmatlala Samantha Ntsundeni Nicole Harry Lucia Jaco	Naude Ndzumo Nel Nel Nhlapo Nieuwoudt Ockhuys Opperman Phale Rabothata Ralston-Paton Ravhogoni Reddy Roberts Rodrigues Roelofse	Vodacom NC Dept of Environment and Nature Conservation Potrion 1 of Graskoppies 176 Remainder of the Farm Hartebeest Leegte No. 216 SENTECH Department of Mineral Resources Hantam Local Municipality Solar Power Plant Construction Department of Environmental Affairs Bird Life South Africa Department of Mineral Resources (DMR) WWF-SA SA CAA Western Cape Black Eagle Project NC Department of Roads & Public Works
Ono Onwabile Koosie Hermanus Joseph Jasper David Gizella Richwell Mmatlala Samantha Ntsundeni Nicole Harry Lucia Jaco Ramatholo	Naude Ndzumo Nel Nel Nel Nhlapo Nieuwoudt Ockhuys Opperman Phale Rabothata Ralston-Paton Ravhogoni Reddy Roberts Rodrigues Roelofse Sefako	Vodacom NC Dept of Environment and Nature Conservation Potrion 1 of Graskoppies 176 Remainder of the Farm Hartebeest Leegte No. 216 SENTECH Department of Mineral Resources Hantam Local Municipality Solar Power Plant Construction Department of Environmental Affairs Bird Life South Africa Department of Mineral Resources (DMR) WWF-SA SA CAA Western Cape Black Eagle Project NC Department of Roads & Public Works South African Astronomical Observatory
Ono Onwabile Koosie Hermanus Joseph Jasper David Gizella Richwell Mmatlala Samantha Ntsundeni Nicole Harry Lucia Jaco Ramatholo Rasibe	Naude Ndzumo Nel Nel Nhlapo Nieuwoudt Ockhuys Opperman Phale Rabothata Ralston-Paton Ravhogoni Reddy Roberts Rodrigues Roelofse Sefako Sekepane	Vodacom NC Dept of Environment and Nature Conservation Potrion 1 of Graskoppies 176 Remainder of the Farm Hartebeest Leegte No. 216 SENTECH Department of Mineral Resources Hantam Local Municipality Solar Power Plant Construction Department of Environmental Affairs Bird Life South Africa Department of Mineral Resources (DMR) WWF-SA SA CAA Western Cape Black Eagle Project NC Department of Roads & Public Works South African Astronomical Observatory Department of Mineral Resources (DMR)
Ono Onwabile Koosie Hermanus Joseph Jasper David Gizella Richwell Mmatlala Samantha Ntsundeni Nicole Harry Lucia Jaco Ramatholo Rasibe Rosey	Naude Ndzumo Nel Nel Nel Nhlapo Nieuwoudt Ockhuys Opperman Phale Rabothata Ralston-Paton Ravhogoni Reddy Roberts Rodrigues Roelofse Sefako Sekepane Sekese	Vodacom NC Dept of Environment and Nature Conservation Potrion 1 of Graskoppies 176 Remainder of the Farm Hartebeest Leegte No. 216 SENTECH Department of Mineral Resources Hantam Local Municipality Solar Power Plant Construction Department of Environmental Affairs Bird Life South Africa Department of Mineral Resources (DMR) WWF-SA SA CAA Western Cape Black Eagle Project NC Department of Roads & Public Works South African Astronomical Observatory Department of Mineral Resources (DMR) Dept of Telecommunications and Postal Service
Ono Onwabile Koosie Hermanus Joseph Jasper David Gizella Richwell Mmatlala Samantha Ntsundeni Nicole Harry Lucia Jaco Ramatholo Rasibe Rosey Kwena Khutjo	Naude Ndzumo Nel Nel Nel Nhlapo Nieuwoudt Ockhuys Opperman Phale Rabothata Ralston-Paton Ravhogoni Reddy Roberts Rodrigues Roelofse Sefako Sekepane Sekese Sekwaila	Vodacom NC Dept of Environment and Nature Conservation Potrion 1 of Graskoppies 176 Remainder of the Farm Hartebeest Leegte No. 216 SENTECH Department of Mineral Resources Hantam Local Municipality Solar Power Plant Construction Department of Environmental Affairs Bird Life South Africa Department of Mineral Resources (DMR) WWF-SA SA CAA Western Cape Black Eagle Project NC Department of Roads & Public Works South African Astronomical Observatory Department of Mineral Resources (DMR) Dept of Telecommunications and Postal Service Department of Water and Sanitation
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Lizell	Stroh	SA Civil Aviation Authority
Shaun	Swanepoel	Eskom Wayleave
Roger	Swartz	Hantam Local Municipality
Adriaan	Tiplady	Square Kilometre Array
Stanley	Tshitwamulomoni	Department of Environmental Affairs
Heleen	van den Heever	Telkom (SA) Ltd
Christo	van der Merwe	Farm: Ptn 2 Zuur Fontein 224
Francois	van der Merwe	Remainder of Sous 226
Gert	van der Walt	Vodacom
Kokkie	van der Westhuizen	Farm: Zuur Fontein 224
Deon	Van der Westhuizen	Plaas: Klein Rooiberg
Herman	van Heerden	Portion 5 of the farm Klein Rooiberg No. 227
Hentie	van Jaarsveld	Agri SA: Loeriesfontein Landbouvereniging
Riaan	Van Wyk	Hantam Local Municipality
NJ	Van Zyl	Agri SA: Loeriesfontein Landbouvereniging
Hannes	Van Zyl	Agri SA: Loeriesfontein Landbouvereniging
Abraham	van Zyl	Farm: Remainder Blaauw Pan 175
Albertus	Van Zyl	PTN 3 Farm GIFKOP116
Paul	Venter	MTN Telecoms
Charles	Versfeld	Farm: Remainder Buchufontein 184
Fred	Versfeld	Remainder Farm Buchu Fontein 184
Noel	Viljoen	Hantam Local Municipality
Ronelle	Visagie	EWT
Jonathan	Visagie	Telkom
Dorien	Werth	NC Dept of Environment and Nature Conservation
Ted	Williams	South African Astronomical Observatory
Justine	Wyngaardt	Eskom
Megan		Sustainable Energy Africa
		Sustainable Energy & Climate Change Project
		DE BEERS CONSOLIDATED MINES (Pty) Ltd



Appendix 7G Minutes of Meetings



ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) FOR THE FOUR (4) PROPOSED MAINSTREAM WIND FARMS, AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTIONS NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

MINUTES OF THE FOCUS GROUP MEETING

Landowners

Held on

Wednesday, 01 November 2017 at 09h00 NG Church Hall, Church Street, Loeriesfontein Northern Cape Province

SiVEST SA (Pty) Ltd

Contact: Stephan Jacobs / Hlengiwe Ntuli

Address: PO Box 2921

51 Wessels Road Rivonia 2128

Tel: 011 798 0600 **Fax:** 011 803 7272

E-mail: <u>stephanj sivest.co.za</u>

hlengiwen sivest.co.za

<u>Draft Minutes prepared by:</u>
<u>Stephan Jacobs</u>

Please address any comments to Stephan Jacobs or Hlengiwe Ntuli at the above address

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1	WELCOME, INTRODUCTIONS	1
2	MEETING ATTENDEES	1
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Minutes: Focus Group Meeting – Landowners

FOCUS GROUP MEETING

Venue: NG Church Hall, Church Street, Loeriesfontein

Date: Wednesday, 01 November 2017

Time: 09h00 – 10h30

1 WELCOME, INTRODUCTIONS

Nicolene Venter welcomed everyone who attended the Focus Group Meeting (FGM) and thanked them for attending. She then proceeded to discuss the agenda of the meeting. Nicolene introduced herself and noted that Imaginative Africa have been appointed by SiVEST to assist with the Public Participation Process (PPP) for the proposed projects. Nicolene asked if the representatives from SiVEST and Mainstream who were present at the meeting could please introduce themselves and explain their roles with regards to the proposed projects.

It was agreed that the presentation be presented in English and that the attendees could raise their comments / concerns in the language of their choice. Should any clarification / translation regarding any aspect of the presentation be required, the team will gladly assist.

2 MEETING ATTENDEES

The Focus Group Meeting (FGM) was attended by the following representatives from the project team:

- Stephan Jacobs from SiVEST;
- Nicolene Venter from Imaginative Africa;
- · Rebecca Thomas from Mainstream; and
- Devon Steenkamp from Mainstream.

The FGM was attended by the following affected local landowners:

- Mr. Albie Louw (Portion 1 of the Farm Hartebeest Leegte No. 216);
- Mr. Hermanus Nel (Remainder of the Farm Hartebeest Leegte No. 216); and
- Mr. Hein Burden (Portion 2 of the Farm Georg's Vley No. 217).

In addition, the following affected local landowners sent apologies for not being able to attend the FGM but requested that minutes of the meeting be sent to them:

• Mrs. Marie Burden (Portion 2 of the Farm Georg's Vley No. 217).

A copy of the Attendance Record is attached as **Annexure A**.

3 PURPOSE OF THE MEETING

Nicolene Venter informed the attendees that the purpose of the FGM was to:

- To provide an overview of the proposed projects;
- To provide feedback on the findings with regards to the wind farm projects as documented in the EIA phase specialist reports;

Minutes: Focus Group Meeting - Landowners

- To provide an opportunity to raise comments and/or concerns regarding the proposed projects;
 and
- To record comments, issues and concerns raised.

4 PROJECT CONTEXT AND OVERVIEW

Stephan Jacobs presented an overview of the proposed projects explaining the background to the projects, what the projects would entail, what the EIA and BA processes entail, and the current status of the EIA and BA processes. In addition, Stephan Jacobs also presented the findings with regards to the wind farm projects as documented in the EIA phase specialist reports

Refer to **Annexure B** for a copy of the presentation.

5 DISCUSSION SESSION AND QUESTIONS

Please refer to **Annexure C** for the discussion session.

6 CLOSURE AND WAY FORWARD

Nicolene Venter closed the meeting at approximately 10h30. She informed the attendees that the FGM minutes, presentation, and attendance record would be forwarded to everyone who attended the meeting.

Minutes: Focus Group Meeting – Landowners

Annexure A

ATTENDANCE RECORD

FOUR (4) PROPOSED MAINSTREAM WIND FARMS NEAR LOERIESFONTEIN: LANDOWNER FOCUS GROUP MEETING					
	ATTENDANCE	RECORD			
FIRST NAME	LAST NAME	COMPANY			
Stephan	Jacobs	SiVEST SA			
Nicolene	Venter	Imaginative Africa			
Rebecca	Thomas	Mainstream			
Devon	Mainstream				
		Landowner: Portion 1 of the			
	Farm Hartebeest Leegte No				

Albie

Hein

Hermanus

Louw

Nel

Burden

216

No. 216

Landowner: Remainder of the Farm Hartebeest Leegte

Landowner: Portion 2 of the Farm Georg's Vley No. 217

Minutes: Focus Group Meeting – Landowners

Annexure B

COPY OF PRESENTATION

DEVELOPMENT OF THE GRASKOPPIES, HARTEBEEST LEEGTE, ITHEMBA AND !XHA BOOM WIND FARMS AND BASIC ASSESSMENTS FOR THE PROPSED GRID CONNECTIONS NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

DEA Ref. Nos:-

- GRASKOPPIES WIND FARM: 14/12/16/3/3/2/1017
- HARTEBEEST LEEGTE WIND FARM: 14/12/16/3/3/2/1015
- ITHEMBA WIND FARM: 14/12/16/3/3/2/1016
- !XHA BOOM WIND FARM: 14/12/16/3/3/2/1018

BA Ref. No: To be issued

FOCUS GROUP MEETING - LANDOWNERS

Consulting Engineers • Project Managers • Environmental Consultants • Town and Regional Planners

SIVEST



A PROFESSIONAL TEAM DELIVERING CREATIVE PROJECT SOLUTIONS



- Welcome, introduction and apologies
- Purpose and conduct of meeting
- Background to the proposed development
- Environmental process followed and findings
- Discussion session
- Closure

PURPOSE OF MEETING



- To provide an overview of the proposed projects
- To provide feedback on the findings as documented in EIA phase specialist reports
- Provide an opportunity to raise comments and/or concerns regarding the proposed projects
- To record comments, issues and concerns raised



PROJECT OVERVIEW

PROJECT OVERVIEW



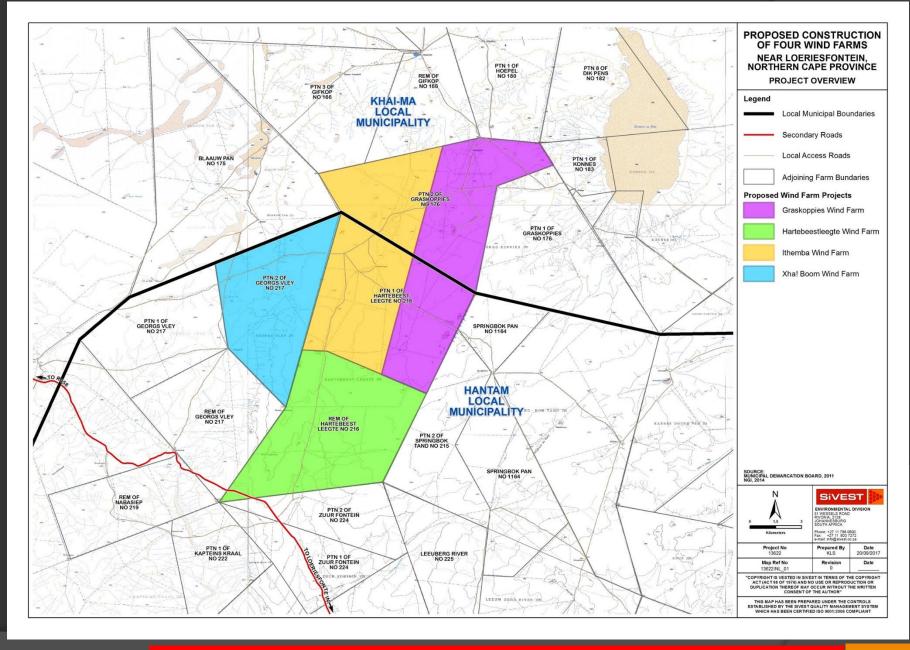
What does the proposed development entail?

- Construction of the Graskoppies, Hartebeest Leegte, Ithemba and !Xha Boom Wind Farms, each comprising 47 wind turbines with a maximum generation capacity of 235MW.
 - Associated infrastructure for each facility includes:
 - New 132kV on-site IPP Substation
 - Medium voltage cables connecting the turbines to the new substation
 - Temporary construction laydown area
 - Operation and maintenance buildings
 - Internal access roads
 - Hardstanding areas/ platforms for each turbine

Why is the project being proposed?

- To generate electricity to feed into the national grid
- Promote use of renewable energy
- To help meet future energy consumption requirements

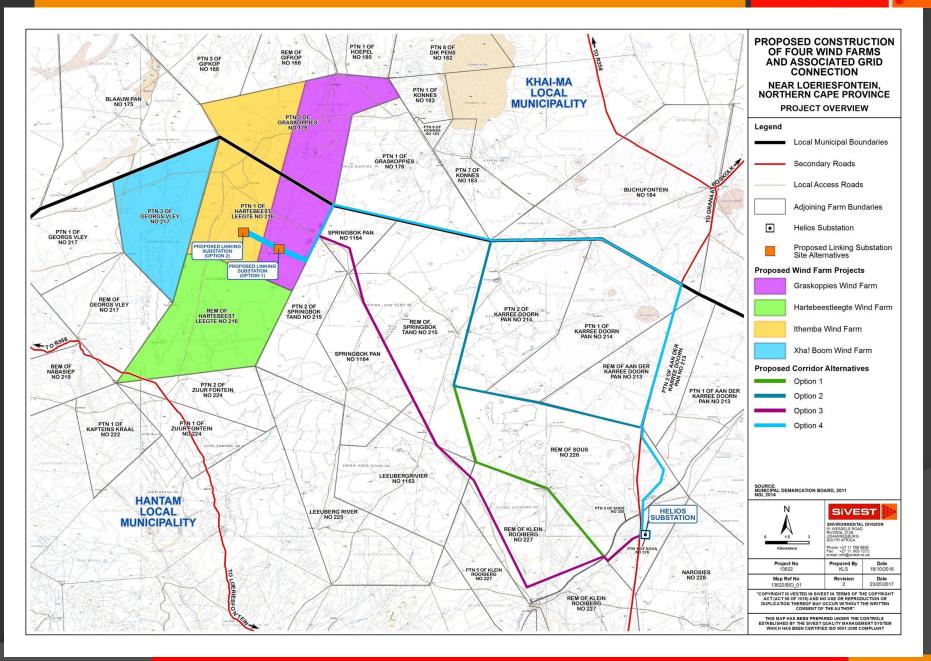
SIVEST



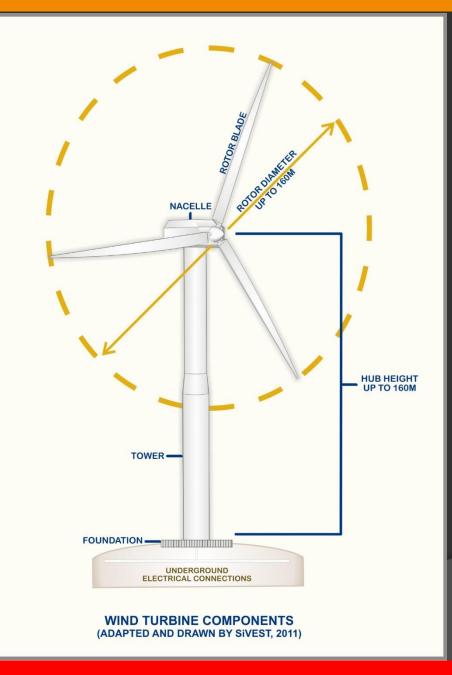
PROJECT OVERVIEW - GRID

- Mainstream proposing to construct four (4) 132kV power lines, four (4) 33kV/132kV on-site IPP substations and a 132kV Linking Substation (hereafter referred to as the "grid connections"), to connect proposed wind farms to national grid at Helios Substation
- Grid connection projects being undertaken as separate BA processes (separate Environmental Authorisations)
- However, a single public participation process being undertaken for all projects (wind farm and grid connection projects)
- Findings of Specialist Studies for grid connection projects not available yet as projects have not officially commenced Will be notified when the reports for the grid connection are available

SIVEST







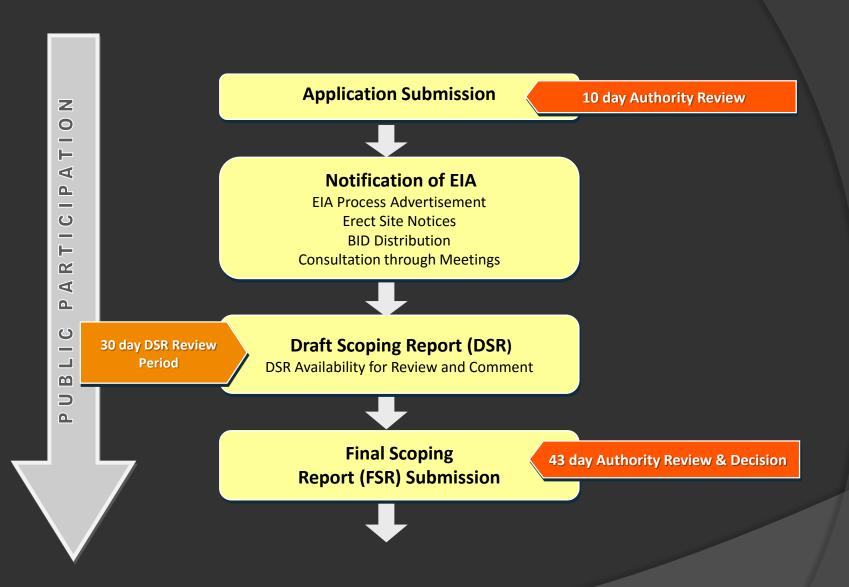
PROJECT OVERVIEW



- Who is the independent EAP?
 - SiVEST SA
- Why undertake an EIA?
 - Legal requirement
 - Consider environmental impacts and mitigation measures
 - Provide stakeholders/I&APs the opportunity to participate
- Who is the applicant?
 - South Africa Mainstream Renewable Power Developments (Pty) Ltd
- Who is the decision-making authority?
 - Department of Environmental Affairs (DEA)

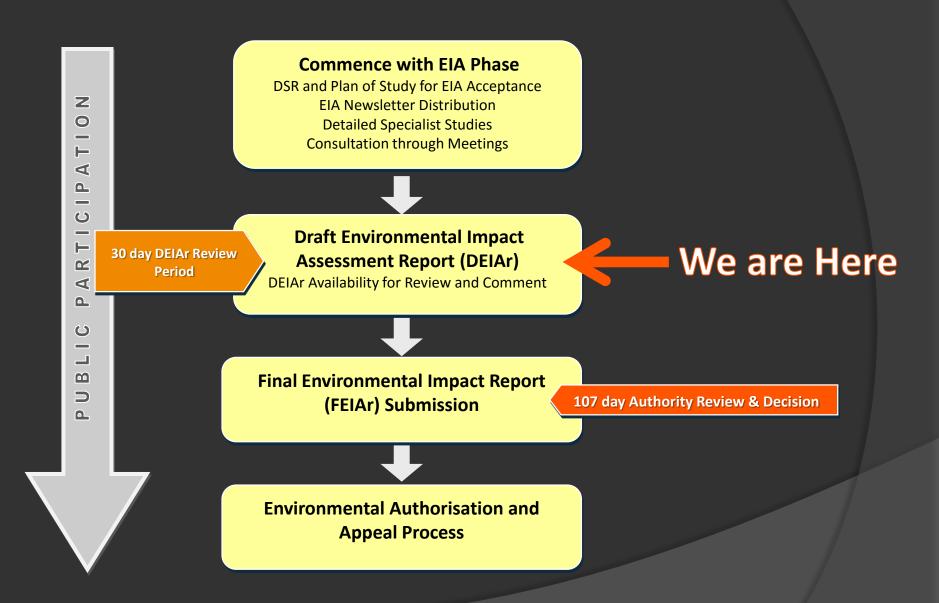
NEMA EIA PROCESS – SCOPING PHASE





NEMA EIA PROCESS – EIA PHASE





MAINSTREAM PROCESS



Land Use Change

Permission to Access Grid

Construction



License and Power Purchase Agreement



ENVIRONMENTAL FINDINGS

ENVIRONMENTAL FINDINGS



EIA phase underway

- Rating of significance of impacts
- Compliance with Equator Principles
- Compliance with all National legislation
- Comparative assessment of on-site alternatives
- Environmental Management Programme

Environmental aspects being assessed

- Biodiversity (flora and fauna)
- Avifauna (including pre-construction monitoring)
- Bats (including pre-construction monitoring)
- Surface Water
- Soils and Agricultural Potential
- Noise
- Visual
- Heritage
- Socio-economic
- Geotechnical
- Path Loss and Risk Assessment in terms of the Square Kilometre Array (SKA)

BIODIVERSITY



	Graskoppies	Hartebeest Leegte	Ithemba	!Xha Boom
General Findings	 Vegetation (Bushmanland Basin Shrubland and Western Bushmanland Klipveld) is classified as Least Threatened Namakwa Biodiversity Sector Plan (2007) does not identify any Critical Biodiversity Areas or Ecological Support Areas on or near the proposed wind farm sites. Largely characterised by arid grassland or low shrubland with low diversity and low sensitivity. Sensitive features such as pans, drainage lines and rocky outcrops occupy only small proportions of each site and are not affected by the site layout. 			
Mitigation	 Construction and operational phase mitigation measures provided include: Avoidance of high sensitivity areas and drainage lines Pre-construction walkthrough to identify areas of sensitivity Removal and translocation of any fauna threatened by construction activity Need for Open Space, Erosion and Rehabilitation and Alien Plant management plans. 			

No fatal flaws were identified and the proposed development could therefore be authorised, provided all proposed mitigation and avoidance measures are implemented.



	Graskoppies	Hartebeest Leegte	Ithemba	!Xha Boom
General Findings	 Nama Karoo and bird species. An estimated 56 priority species. Potential impact disturbance or his Sensitive areas Priority species 	d Succulent Karoo bit species were record sinclude collisions was abitat transformation are water points and which could potential orthern Black Korhaa	gical transitional zon iomes which support ded in the study area with turbines, displace and electrocution. surface water featurally be vulnerable to wan, Karoo Korhaan, K	s a high diversity of , of which 12 are ement due to res. vind turbine
Mitigation	 Provision of exc 	lusion zones around m and 500m buffer z	gation measures pro existing water points zones around identifi	and pans.

The proposed wind farms will have varying levels of impact on avifauna ranging with the greatest impact resulting from collisions with turbines. This could be reduced to a medium impact through the application of mitigation measures

	Graskoppies	Hartebeest Leegte	Ithemba	!Xha Boom		
General Findings	 The most abundant bat species recorded in the study area is <i>Tadarida aegyptiaca</i> (Egyptian Free-tailed bat) <i>Miniopterus natalensis</i> (Natal long-fingered bat) only migratory species detected on site, although analysis over the 12 month monitoring period did not reveal any activity levels indicative of a migratory event. Areas of high sensitivity were mapped to identify areas which could experience elevated rates of bat fatalities due to wind turbines. These areas were designated as 'no-areas' and have accordingly been avoided by the wind farm layouts. 					
Mitigation	Adherence to seRevegetation of	and operational phase mitigation measures provided include: to sensitivity map during turbine placement. on of damaged areas after construction. ation of a post construction bat monitoring study. of curtailment.				

The proposed wind farms may be authorised provided that the proposed mitigation measures are adhered to.

SURFACE WATER



	Graskoppies	Hartebeest Leegte	Ithemba	!Xha Boom		
General Findings	 Orange and Olifants-Cape Primary Catchment; Lower Orange and Olifants / Doorn Water Management Area. Numerous surface water resources were identified on all four wind farm sites. Include individual drainage lines, watercourses, and wetlands. Potential impacts include loss of wetland and riparian habitat, soil erosion and degradation, soil and water contamination and loss of fauna. 					
	20 depression wetlands, 1 major drainage line and 75 drainage lines were identified.	1 depression wetland and 45 drainage lines were identified.	13 depression wetlands, 1 major drainage line and 14 drainage lines were identified.	2 depression wetlands,3 major drainage lines and 237 drainage lines were identified.		
Mitigation	 Construction and operational phase mitigation measures provided include: Designation of surface water resources as 'Highly Sensitive' and the establishment of ecological buffer zones to protect these resources. Avoidance of direct impacts on delineated surface water resources. Establishment of internal road crossing areas. Post construction rehabilitation. 					

With implementation of mitigation measures, the proposed development components as per the layout are acceptable and therefore, may be environmentally authorised.

SOILS AND AGRICULTURAL POTENTIAL



	Graskoppies	Hartebeest Leegte	Ithemba	!Xha Boom		
General Findings	 Soils across site are predominantly shallow, sandy soils on underlying rock or hard-pan carbonate, of the Coega, Mispah, Glenrosa and Askham soil forms. Limited climatic moisture availability and poor soils are major limitations to agriculture. The sites are therefore unsuitable for cultivation and agricultural land use is restricted to low intensity grazing. The site is classified as Class 7 – non-arable low potential grazing land with a very low grazing capacity. There are no agriculturally sensitive areas and no parts of the site need to be avoided by the development. 					
Mitigation	topsoil during coMinimise road foImplementation	rol for all phases of development and the management of				

Because of the low agricultural potential of the site, agricultural impact will be low and as such there are no restrictions relating to agriculture which would preclude authorisation of the proposed development..



	Graskoppies	Hartebeest Leegte	Ithemba	!Xha Boom
General Findings	component. The study area is rated as having. No sensitive visus facilities) were ideal scattered sensitive visual is medium to high.	s not generally value a low visual sensitivi ual receptors (such a lentified in the study d farmsteads in the	is guest houses and area. area were identified attempts on these receptors	other tourist as potentially
Mitigation	as soon as possDust suppressio	ance to be minimise ible. n techniques to be ir security at night sho	d and cleared areas nplemented on all gr uld reflect the light to	avel access roads.

The visual impacts associated with the construction and operation phases can be mitigated to acceptable levels provided the recommended mitigation measures are implemented. As such, the impacts identified are not significant enough to prevent the authorisation from being granted.



	Graskoppies	Hartebeest Leegte	Ithemba	!Xha Boom			
General Findings	a, as there are acoustical influence						
		sufficiently to result in noise impacts of medium significance (especially at					
	Slight potential for noise impact during operational phase. Sig however LOW	Noise impact of medium sig for NSD02 for of WF. Cumulative impact of medium sig for NSD03.	 Noise impact of medium sig for NSD04 for operation of WF. Cumulative impact of medium sig for NSD03. 	Slight potential for noise impact during operational phase. Sig however LOW			
Mitigation	 planning construction activities as far way from noise sensitive receptors as possible Layout of the WEF should avoid noise sensitive receptors as far as possible 						

Project can be authorized from a noise perspective subject to the implementation of the recommended mitigation

HERITAGE AND PALAEONTOLOGY



	Graskoppies	Hartebeest Leegte	Ithemba	!Xha Boom	
General Findings	7 heritage resources	1 heritage resource	3 heritage resources	3 heritage resources	
	 In addition, several areas with existing infrastructure such as fenced off camps, windmills and reservoirs were identified. No identified heritage resources are affected by the proposed wind farm layout. Palaeontological significance is rated as low and pending the discovery of significant new fossil material, no further specialist studies are deemed necessary. 				
Mitigation	 Mitigation measure include: A pre-construction walk down of the final layout; Formal mitigation measures to be provided for any heritage features identified during the walkdown; Provision of a Heritage Management Plan to guide construction and operation; Avoidance of sites rated as medium and high sensitivity; 				

The overall impact on heritage resources is seen as acceptable, mitigation measures address any impacts on heritage resources.

SOCIO-ECONOMIC



	Graskoppies	Hartebeest Leegte	Ithemba	!Xha Boom	
General Findings	 development of These type of premployment oppered to a complex oppered to a	RE technologies is so to jects stimulate the cortunities. We impacts include sleehold income and a second high rates of unestimated to be locally and increase the locally and increase the second increase the locally and increase the second increa	cal government policitiongly supported by local economy and control called the construction of the constru	government. reate new d training, in production and y have a small n phase could social facilities	
Mitigation	 Mitigation measures include: Prioritisation of local community members for the allocation of jobs; Local procurement of labour, goods and services; Use of social responsibility allocations to avoid deterioration in social and economic infrastructure. 				

The overall socio-economic impact on is seen as acceptable, subject to the implementation of mitigation measures.

GEOTECHNICAL



	Graskoppies	Hartebeest Leegte	Ithemba	!Xha Boom
General Findings	 Only prominent Water table is 10 consequently the Founding condit as the main condition. No mining has on the main condition. There is, however northern portion. The site is not site. 	eccurred on site, thus er occurrences of ec	g, on the southern sitell level during the windout the year. By favourable, with expression undermined area onomic mineral deposed.	ter months and xcavatability seen as occur on site. osits on the
Recomme ndation	is recommended th	cal conditions are ex at further, more deta ed ground conditions	iled investigations ar	·

Conditions on site are generally seen as favourable. However this report should be supplemented with a detailed geotechnical investigation.



	Graskoppies	Hartebeest Leegte	Ithemba	!Xha Boom
General Findings	hour, the majorite R358. Other transportal access, internal investigated. Report recomme links directly to the This route is appropriate to the LWEF project with the R358.	tion up to 100 vehicle by travelling from the ation aspects relating circulation and abno- ends primary access he N7. propriate for both leg the wind turbine co Il require a total of 10 are existing track roa	to the proposed program vehicle transports to the site to be via the site to be via the site to be will assume the site to be the site to be will assume the site to be the site to be site	ipect, including rtation were the R358 which constructed of
Mitigation	A route study beDust suppression	ds must be transport undertaken to confir n techniques should nent Plan must be prohase.	m the most appropri be utilized	

Access route (option 4) via the R358 in combination with the N7 is the preferred route both for abnormal vehicles as well as other legal vehicles.

RADIATION EMISSIONS (SKA STUDIES)



	Graskoppies	Hartebeest Leegte	Ithemba	!Xha Boom	
General Findings	 Intent of evaluation is to ensure that the facility poses a low risk of detrimental impact on the SKA by using known radiated emission amplitudes of the Acciona AW3000/125 TH100 50Hz wind turbine. Specific mitigation measures to be implemented on the AW3000/125 TH100 50Hz wind turbine in order to achieve 40 dB of attenuation has been reviewed and agreed by SKA South Africa as described in the Acciona Control Plan. Due to natural terrain barriers and distance between facility and closest SKA unit, no degradation of performance is expected when mitigated AW 125 TH100A Acciona turbines are installed 				
Mitigation	 at the new site be selected based of increase in ambie. Final site tests we emission levels. It identified emitter. 	overall windfarm emissions, ambient measurements should be done ew site before construction starts. Tests points should be carefully based on test equipment sensitivity with the objective to observe the in ambient emissions as construction progresses. The tests will be done on completion of the project to confirm the radiated in levels. Although not anticipated, proper mitigation measures on the emitters will be studied and implemented if final test shows emissions and the SKA threshold.			

RADIATION EMISSIONS (SKA STUDIES)



- A different turbine will be used for the proposed development.
- This turbine would have to be subjected to the same EMI and RFI studies.
- More accurate EMI and RFI studies will thus be required and undertaken when a final turbine has been selected and the layout finalised.
- Prior to construction a new path loss and risk assessment will also be undertaken based on a final layout, using a worst case scenario turbine and approved by the SKA before any turbines are installed on the proposed site.
- These studies can only be undertaken once Mainstream have selected a final turbine and have undertaken the final modelling.
- As such, Mainstream have suggested that the DEA include a condition that further modelling and EMI and RFI studies be undertaken once the final turbine has been chosen.
- Mainstream will continue to engage with SKA accordingly throughout this process.



LAYOUT ALTERNATIVES

LAYOUT ALTERNATIVES



- Layout alternatives will be presented in the DEIAr.
- Design to incorporate specialist findings and stakeholder input.



PUBLIC PARTICIPATION



October 2016

BID Comment Period

October 2016 - November 2016

EIA Process Advertisement

16 June 2017

DSR Availability

DSR Review Period: 21 June 2017 - 21 July 2017

FSR Availability and Submission to DEA

4 August 2017

Environmental Meetings

31 October 2017 - 01 November 2017

DEA Acceptance of FSR and EIA Plan of Study

September 2017

EIA Newsletter

October 2017

DEIAr Availability

October - November 2017

FEIAr Availability and Submission to DEA

December 2017

Notify I&APs of EA and Appeal Process

February/March 2018



DISCUSSION

CONTACT DETAILS



SiVEST Environmental Division

PO Box 2921

Rivonia

2128

Stephan Jacobs/ Nicolene Venter

Phone: (011) 798 0600

□ Fax: (011) 803 7272

■E-mail: stephanj sivest.co.za / nicolene imaginativeafrica.co.za

■Website: www.sivest.co.za



Draft Minutes of Meeting

Distribute: 2 weeks after meeting

DEIAr Availability

Public Review: Envisaged Oct - Nov 2017 (30 Days) Submit to DEA: Envisaged October 2017

Submission of FEIAr to DEA

Envisaged December 2017



Envisaged February/March 2018

Environmental Impact Assessments (EIAs) for the Four (4) Proposed Mainstream Wind Farms, and Basic Assessments (BAs) for the Associated 132kV Linking Substation, On-site Eskom Substation and Power lines near Loeriesfontein, Northern Cape Province

Minutes: Focus Group Meeting – Landowners

Annexure C

DISCUSSION DOCUMENT



ENVIRONMENTAL IMPACT ASSESSMENTS (EIAs) AND ENVIRONMENTAL MANAGEMENT PROGRAMMES (EMPrs) FOR THE FOUR (4) PROPOSED MAINSTREAM WIND FARMS AND BASIC ASSESSMENTS (BAs) FOR THE ASSOCIATED GRID CONNECTION NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

DEA Ref. Hartebeest Leegte windplaas 14/12/16/3/3/2/1015

 Ithemba Windplaas
 14/12/16/3/3/2/1016

 Graskoppies Windplaas
 14/12/16/3/3/2/1017

 !Xha Boom
 14/12/16/3/3/2/1018

DEA Ref for Grid Connection: To be issued

DRAFT DISCUSSION DOCUMENT

Focus Group Meeting: Landowners NG Church Hall, Church Street, Loeriesfontein

Wednesday, 01 November 2017

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1.	Water Related Comments/Issues	3
2.	Socio-Economic Related Comments/Issues	. 3
3.	Power Line Corridor Related Comments/Issues	3
4.	Contract Related Comments/Issues	3
5.	Technical Related Comments/Issues	4
_		_
6.	Other Mainstream General Related Comments/Issues	5

Comments / concerns / issues have been categorised according to environmental impact and thereafter according to SURNAME.

The comments / concerns / issues captured are not verbatim, but a summary

LIST OF ABBREVIATIONS

BID	Bidding Process	DEA	Department of Environmental Affairs	EA	Environmental Authorisation
LO	Landowner	MW	Megawatt	SKA	Square Kilometre Array
SS	Substation			•	

Issue/Comment	Raised By	Response
1. Wa	ter Related Comments/Iss	sues
The project team was informed that the water source in the area is very low and under extreme strain.	Louw, Albie Landowner: Hartebeest Leegte	Water source is one of the main concerns that is being assessed and needs to be addressed. Currently a combination of boreholes and "trucking–in" water is being considered. A full water study will be undertaken. It was also mentioned that from an engineering point of view this problem could be solved from a designing point of view. Rebecca Thomas, Mainstream Renewable
2. Socio-Ec	onomic Related Commen	ts/Issues
The project team was informed that there is a five (5) year lease agreement on the property.	Louw, Albie Landowner: Hartebeest Leegte	At this stage of the project, and if the LO agrees, the lease agreement can be extended. Rebecca Thomas, Mainstream Renewable
It was enquired where will the construction workers be housed as it seems that Klipirand is closer than Loeriesfontein.		At this stage, only Loeriesfontein is being considered as the infrastructure in Kliprand is not feasible. Rebecca Thomas, Mainstream Renewable
It was enquired whether a Mainstream Employee will be permanently based in Loeriesfontein.		Mainstream's current employee, Mr Devon Steenkamp, will also be responsible for the Leeuwberg Projects. It is not envisaged that a person will be based on site as maintenance issues will be attended to as and when required. Rebecca Thomas, Mainstream Renewable
3. Power Line	Corridor Related Comme	ents/Issues
It was enquired how the power connection is being proposed from the development on his property to the Helios SS.	Louw, Albie Landowner: Hartebeest Leegte	A detailed routing has not yet been determined, but the corridor as presented, in consultation with the LOs will be submitted to the DEA for decision-making. Rebecca Thomas, Mainstream Renewable
4. Contr	ract Related Comments/Is	sues
It was enquired whether Mainstream will amend the contract between themselves and the LO should there be any changes regarding MW electricity output.	Louw, Albie Landowner: Hartebeest Leegte	It was confirmed that should there be any changes, whether technical or power outputs, this will be discussed with the LO and amended contracts will be drawn up and signed by both parties.

Issue/Comment	Raised By	Response
		Rebecca Thomas, Mainstream Renewable
5. Techr	nical Related Comments/Is	ssues
It was enquired whether the area where the wind turbines will be erected would be fenced off or the whole farm.	Burden, Hein Landowner: Georgs Vley	The area where the wind turbines will be erected will not be fenced off. However, should there be a need to replace / repair the farm fence (especially to protect the infrastructure), Mainstream will discuss the matter with the LO to determine the type and standard of the fence and any financial matters related to this activity. The above is also relevant to any access roads that might be required on the property.
It was asked who will be responsible for maintaining the farm fence of the farm as well as that of the substations being proposed on the property.		Rebecca Thomas, Mainstream Renewable This will be the responsibility of Mainstream, in consultation with the LO. Rebecca Thomas, Mainstream Renewable
It was recommended that should there be a need for any changes on the property i.e. new access road, etc, that this be discussed with the LO.	Louw, Albie Landowner: Hartebeest Leegte	It was confirmed that should there be any changes on properties, that these will be done in liaison with the registered LO. Rebecca Thomas, Mainstream Renewable
It was enquired as to what type of turbines are being proposed for this development i.e. the same as in Porterville.		Technology has changed since the first wind farm developments and are being changed as new and improved technology is being developed to ensure maximum output. Rebecca Thomas, Mainstream Renewable
In terms of the ratio between the blade length, distance between ground and blade tip and wind speed whether there could be any damage to the blade in strong wind.		Current technical studies indicated that the best results for electricity generation would be a blade length of 160m. To prevent damages to the blades, the hub will be automatically turned off (slow stay position) to prevent possible damage to the blades. Rebecca Thomas, Mainstream Renewable

Issue/Comment	Raised By	Response
It was enquired whether the Helios SS has sufficient capacity to carry		Helios MTS capacity would be reached should the Leeuwberg
all the proposed renewable energy projects in the area.		Projects be approved.
		Rebecca Thomas, Mainstream Renewable
6. Other Mainstre	eam General Related Com	ments/Issues
It was enquired what can be done to expedite the possible approval of	Nel, Hermanus	According to the current information available it seems that the
the four (4) Leeuwberg Windfarm Projects.	Landowner: Hartebeest	BID date for this round of submissions is early 2019. Taking all
	Leegte	the licencing processes into consideration there could be a 6
		to 8 month's saving.
		Rebecca Thomas, Mainstream Renewable
It was commented that the 2019 elections could have an impact on the	Louw, Albie	The comment has been noted.
projects BID timeframe.	Landowner: Hartebeest	Nicolene Venter, Imaginative Africa
It was asked as to what power does Eskom have to stop this proposed	Leegte	The authority that does have the power / right to stop this
development.		proposed development is the DEA, the competent authority
		who will grant or refuse an EA.
		Rebecca Thomas, Mainstream Renewable
It was asked what impact will Prospecting Applications have on the		The team is currently not aware of any Prospecting
proposed development.		Applications lodged against any of the proposed properties.
		Prospecting Applications also need to go through a
		consultation process.
		Rebecca Thomas, Mainstream Renewable
It was enquired what was the end decision regarding the SKA		The objection was attended to and approval has been granted
objection submitted for the Dwarsrug Project.		for the Dwarsrug Project.
		Rebecca Thomas, Mainstream Renewable
It was asked when is the operational date for the Dwarsrug Project.		The envisaged date is 7 December 2017. Should this event be
		recorded visually, a copy of the video will be sent to the LOs.
		Rebecca Thomas, Mainstream Renewable

ENVIRONMENTAL IMPACT ASSESSMENTS (EIAS) FOR THE PROPOSED CONSTRUCTION OF FOUR (4) MAINSTREAM WIND FARMS, AND BASIC ASSESSMENTS (BAS) FOR THE ASSOCIATED GRID CONNECTIONS NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

PROOF OF PUBLIC OPEN DAY AND FOCUS GROUP MEETINGS (FGMs)

AUTHORITY FGM

Undertaken with members of the local and district municipalities

Date, Time, Venue and meeting attendees

■ Date: Tuesday 31 October 2017

■ **Time:** 14:30 – 16:00

Venue: Boardroom of the Hantam Local Municipality Offices, Hope Street, Calvinia

The following individuals attended the meeting:

Hantam Local Municipality:

Municipal Manager: Mr Jan SwartzChief Town Planner: Mr Trim Leukes

o Chief Technical Services: Mr Riaan van Wyk

Khai-Ma Local Municipality:

Mr Obakeng Isaacs

Pictures / Photos



LANDOWNER FGM Undertaken with affected landowners

Date, Time, Venue and meeting attendees

Date: Wednesday 01 November 2017

■ <u>Time:</u> 09:00 – 10:30

• Venue: NG Church Hall, Loeriesfontein

The following affected local landowners attended the meeting:

- Mr. Albie Louw (Portion 1 of the Farm Hartebeest Leegte No. 216);
- Mr. Hermanus Nel (Remainder of the Farm Hartebeest Leegte No. 216); and
- Mr. Hein Burden (Portion 2 of the Farm Georg's Vley No. 217).

In addition, the following affected local landowner(s) sent apologies for not being able to attend the FGM but requested that minutes of the meeting still be sent to them:

Mrs. Marie Burden (Portion 2 of the Farm Georg's Vley No. 217).

Pictures / Photos



PUBLIC OPEN DAY Undertaken with members of the local community

Date, Time, Venue and meeting attendees

<u>Date:</u> Wednesday 01 November 2017

Time: 11:30-13:00

• Venue: Loeriesfontein Community Hall

The Public Open Day was a poster display session which was held in order to provide I&APs and members of the local community with information regarding the proposed development, present the environmental findings and invite I&APs and members of the local community to raise any further comments and/or concerns that they may have.

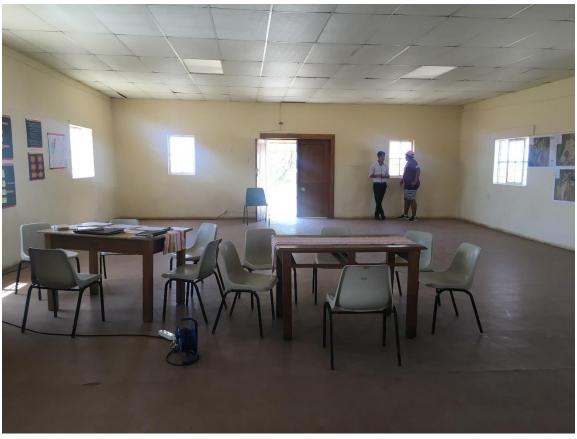
Pictures / Photos











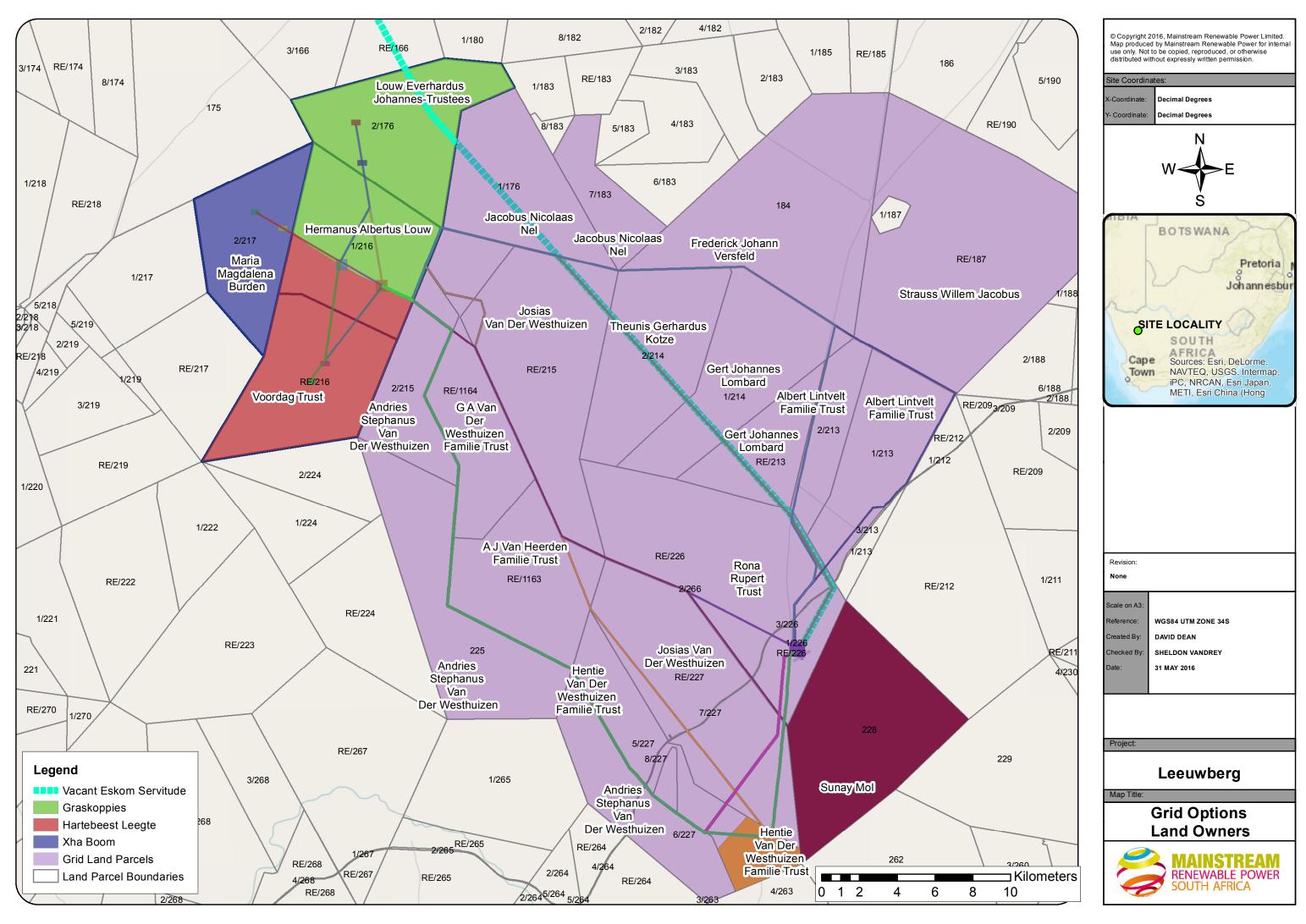
PUBLIC OPEN DAY Undertaken with members of the local community

Date, Time, Venue and meeting attendees





Appendix 7H Landowner Notifications and Consent





LIST OF AFFECTED LANDOWNERS

FARM DESCRIPTION	LANDOWNER
Portion 1 of the Farm Graskoppies No. 176	Koosie Nel
Portion 2 of the Farm Graskoppies No. 176	Nico Louw
Portion 7 of the Farm Konnes No. 183	Jacobus Nel
The Farm Buchufontein No. 184	Fred Versfeld
Portion 2 of the Farm Aan De Karree Doorn Pan No. 213	Braam Lintvelt
Remainder of the Farm Aan De Karree Doorn Pan No. 213	Gert Lombaard
Portion 1 of the Farm Karree Doorn Pan No. 214	Gert Lombaard
Portion 2 of the Farm Karree Doorn Pan No. 214	Theunis Kotze
Portion 2 of the Farm Springbok Tand No. 215	Andries Stephanus Van Der Westhuizen
Remainder of the Farm Springbok Tand No. 215	Josias van der Westhuizen
Portion 1 of the Farm Hartebeest Leegte No. 216	Albie Louw
Remainder of the Farm Hartebeest Leegte No. 216	Herman Nel
Portion 1 of the Farm Sous No. 226	Rona Rupert Trust
Portion 3 of the Farm Sous No. 226	Rona Rupert Trust
Remainder of the Farm Sous No. 226	Rona Rupert Trust



Appendix 7I Distribution to Organs of State

TITLE	SURNAME	NAME	POSITION	POSTAL ADDRESS	EMAIL ADDRESS
HANTAM	LOCAL MUNICIPA	ALITY			
Mr	Van Wyk	Riaan	Environmental Officer	Private Bag X14 CALVINIA 8190	socialdev1@hantam.gov.za
Mr	Swartz	JI	Municipal Manager	Private Bag X14 CALVINIA 8190	municipalmanager@hantam.gov.za
KHAI-MA	LOCAL MUNICIPA	ALITY	-		
Mr	Isaacs	Obakeng	Municipal Manager	PO Box 108 Pofadder 8890	munman@khaima.gov.za
Mr	Josop	Р	Land Use Officer	PO Box 108 Pofadder 8890	commonage@khaima.gov.za
NAMAKW	/A DISTRICT MUN	ICIPALITY	•		
Mr	Loubser	Jannie	Manager: Planning	Private Bag X20 SPRINGBOK 8240	janniel@namakwa-dm.gov.za
DEPARTIV	IENT OF ENVIRON	IMENTAL AFFAIR	RS BIODIVERSITY		
Mr	Lekota	Seoka		Private Bag X447 Pretoria 0001	slekota@environment.gov.za
Mr	Rabothata	Mmatlala		Private Bag X447 Pretoria 0001	slekotamrabothata@environment.gov.za
AGRI SA-N	NORTHERN CAPE				
Mr	Myburg	Henning	General Manager	PO Box 1094 KIMBERLEY 8300	henning@agrink.co.za
DEPARTM	IENT OF WATER A	ND SANITATION			
Ms	Makungo	Ester	Environmental Officer	Private Bag X6101 KIMBERLEY 8300	makungoe@dws.gov.za
Mr	Sekwaila	Khutjo		Private Bag X6101 KIMBERLEY 8300	SekwailaK@dws.gov.za

TITLE	SURNAME	NAME	POSITION	POSTAL ADDRESS	EMAIL ADDRESS
NORTHER	N CAPE DEPARTM	IENT OF AGRICU	LTURE, LAND REFORM & RUR	AL DEVELOPMENT	
Mr	Steenkamp	Gert		P.O.Box 65 CALVINIA 8190	gsteenkamp@ncpg.gov.za
Ms	Cuttings	Ruth		P.O.Box 65 CALVINIA 8190	ruth.cuttings@yahoo.com
DEAPART	MENT OF AGRICU	LTURE, FORESTR	Y AND FISHERIES		
Provincial	Department				
Mrs	Collett	Anneliza		Private Bag X120 PRETORIA 0001	ThokoB@nda.agric.za
Ms	Buthelezi	Thoko	Directorate Land Use and Soil	Private Bag X120 PRETORIA 0001	ThokoB@nda.agric.za
DEPARTM	IENT OF MINERAL	RESOURCES (DM	nr)		
Mr	Muila	Vincent		Private Bag x6093 KIMBERLEY 8300	
Mr	Sekepane	Rasibe		Private Bag x6093 KIMBERLEY 8300	
NORTHER	N CAPE DEPT OF E	NVIRONMENT A	ND NATURE CONSERVATION		
Mr	Fisher	Brian	Director Environmental Impact Management	Private Bag X86102 KIMBERLEY 8300	bfisher@ncpg.gov.za
NORTHER	N CAPE DEPT OF S	SPORT, ARTS & C	ULTURE: Heritage Resources U	Jnit	
Mr	Lenyibi	Patrick	Manager: Heritage Resources	Private Bag X5004 KIMBERLEY 8300	plenyibi@ncpg.gov.za
SANRAL -	WESTERN REGION	V			
Ms	Abrahams	Nicole	Environmental Coordinator	Private Bag X19 BELLVILLE 7535 abrahamsn@nra.co.za	
NORTHER	N CAPE DEPARTIV	IENT OF ROADS	AND PUBLIC WORKS		
Mr	Roelofse	Jaco	Director: Planning & Design	PO Box 3132 Kimberley 8300	roelofse.j@vodamail.co.za
SAHRA: H	EAD OFFICE				
Ms	Higgitt	Natasha	Heritage Officer: Northern Cape	PO Box 4637 CAPE TOWN 8000	nhiggitt@sahra.org.za

TITLE	SURNAME	NAME	POSITION	POSTAL ADDRESS	EMAIL ADDRESS	
ESKOM	ESKOM					
Mr	Geeringh	John	Chief Planner	PO Box 1091 JOHANNESBURG 2000	GeerinJH@eskom.co.za	
SQUARE K	ILOMETRE ARRAY	1				
Dr	Tiplady	Adriaan	Manager: Site Categorisation	PO Box 522 SAXONWOLD 2132	atiplady@ska.ac.za	
SA CIVIL A	VIATION AUTHOF	RITY (SA CAA)				
Ms	Stroh	Lizell	Obstacle Specialist	Private Bag X73 HALFWAY HOUSE 1685	strohl@caa.co.za	
AIR TRAFF	IC AND NAVIGAT	ION SERVICES (A	TNS)			
Ms	Morobane	Johanna	Manager: Corporate Sustainability and Environment	Private Bag X15 KEMPTON PARK 1620	JohannaM@atns.co.za	
Ms	Masilela	Simphiwe		Private Bag X15 KEMPTON PARK 1620	SimphiweM@atns.co.za	
TRANSNET	FREIGHT RAIL					
Mr	Fiff	Sam	Freight Rail	PO Box 255 BLOEMFONTEIN 9300	sam.fiff@transnet.net	
SENTECH	L					
Mr	Koegelenberg	Johan	Renewable Projects	Private Bag X06 Honeydew 2040	koegelenbergj@sentech.co.za	
TELKOM						
Ms	Spammer	Candice		Private Bag X20700 BLOEMFONTEIN 9300	SpammerC1@telkom.co.za	
Mr	Bester	Amanda	Wayleave Officer	Private Bag X20700 BLOEMFONTEIN 9300	Waylea CR@telkom.co.za Bester AD@telkom.co.za	
Ms	van den Heever	Heleen		Private Bag X20700 BLOEMFONTEIN 9300	vdheevhd@telkom.co.za	

TITLE	SURNAME	NAME	POSITION	POSTAL ADDRESS	EMAIL ADDRESS	
ENDANGE	ENDANGERED WILDLIFE TRUST					
Mr	Leeuwner	Lourens	Renewable Energy Project Manager	Private Bag X11, Modderfontein, 1609, Johannesburg	lourensl@ewt.org.za	
Ms	Golding	Marianne	Administrator	Private Bag X11, Modderfontein, 1609, Johannesburg		
WESSA						
Mr	Griffiths	Morgan	Environmental Governance Programme Manager	PO Box 12444, Centrahil, Port Elizabeth, 6006, South Africa	morgan.griffiths@wessa.co.za	
BIRDLIFE	SOUTH AFRICA					
Ms	Stevens	Candice	Policy Manager	PO Box 515 RANDBURG 2125 advocacy@birdlife.org.za advocacy@birdlife.org.za		
Ms	Ralston	Samantha		PO Box 515 RANDBURG 2125		
South Afr	ican Astronomica	l Observatory				
Prof	Ted	Williams	Director	PO Box 9 OBSERVATORY 1935 williams@saao.ac.za		
Mr	Chris	Coetzee	Technical Operations Manager Southerland Site	PO Box 25 SUTHERLAND 6920	chris@salt.ac.za	

Stephan Jacobs

From: sivest PPP

Sent: Thursday, February 22, 2018 4:16 PM

To: Andrea Gibb; Stephan Jacobs; 'rebecca.thomas@mainstreamrp.com'; 'Nicolene Venter'
Cc: 'John Geeringh'; 'Heleen van den Heever'; 'Morgan Griffiths'; 'Obakeng Isaacs'; 'P Josop';

'Brian Fisher'; 'Henning Myburg'; 'Sam Fiff'; 'Amanda Bester'; 'Riaan Van Wyk'; 'Natasha Higgitt'; 'Nicole Abrahams'; 'Ted Williams'; 'Chris Coetzee'; 'Hettie Buys'; 'Thoko Buthelezi'; 'Mmatlala Rabothata'; 'Marianne Golding'; 'Simphiwe Masilela'; 'Candice Stevens'; 'Johanna Morobane'; 'Lizell Stroh'; 'Adriaan Tiplady'; 'Ramatholo Sefako'; 'Samantha Ralston-Paton'; 'Gert Steenkamp'; 'Moses Mahunonyane'; 'Johan

Koegelenberg'; 'Lourens Leeuwner'; 'Stanley Tshitwamulomoni'; 'Candice Spammer'; 'Seoka Lekota'; 'Jaco Roelofse'; 'Patrick Lenyibi'; 'Ester Makungo'; 'Garth Julius'; 'Jannie Loubser'; 'ruth.cuttings@yahoo.com'; 'kmotlhomi@ncpq.gov.za'; 'lefleurd@dws.gov.za';

'BesterAD@telkom.co.za'

Subject: RE: Proposed Mainstream Substations and Power Lines for the Wind Farms near

Loeriesfontein: DBARs Comment Period Ended

Importance: High

Follow Up Flag: Follow up Flag Status: Follow up

******* Please note that this email was sent from a NO REPLY email address. Please do not reply to this address as it is an unmonitored email account.*********

Dear Stakeholder.

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE 132KV MAINSTREAM LINKING SUBSTATION AND FOUR (4) 132KV ON-SITE ESKOM SUBSTATIONS AND POWER LINES NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- 132kV Graskoppies Substations and Power line (DEA Ref No.: To be Announced)
- 132kV Hartbeest Leegte Substations and Power Line (DEA Ref No.: To be Announced)
- 132kV Ithemba Substations and Power Line DEA Ref No.: To be Announced)
- 132kV !Xha Boom Substations and Power Line DEA Ref No.: To be Announced)

Please note that the final day for comments on the Draft Basic Assessments Reports (DBArs) for the above mentioned wind farm projects was **on Monday 05 February 2018**.

This email serves as a reminder to please submit any comments if not done already.

If you do not have any comments please reply to the email and indicate so.

Should you have any comments, please feel free to contact the public participation office at the details below:

SiVEST Environmental

Hlengiwe Ntuli / Stephan Jacobs PO BOX 2921 Rivonia 2128

Tel: 011 798 0600 Fax: 011 803 7272 Email: hlengiwen@sivest.co.za / stephanj@sivest.co.za

Kind Regards,

Hlengiwe Ntuli

Projects Secretary and PPP Administrator SiVEST Environmental Division



SiVEST is a Level 3 BBBEE Contributor

Direct +27 11 798 0690 Tel +27 11 798 0600 fax +27 11 803 7272

email <u>hlengiwen@sivest.co.za</u> website <u>www.sivest.co.za</u>





Consulting Engineers - Project Managers - Environmental Consultants - Town and Regional Planners

Durban - Johannesburg - Pietermaritzburg - Richards Bay - Port Louis (Mauritius)

From: sivest_PPP

Sent: 31 January 2018 08:36 AM

To: Andrea Gibb <AndreaG@sivest.co.za>; Stephan Jacobs <StephanJ@sivest.co.za>;

'rebecca.thomas@mainstreamrp.com' <rebecca.thomas@mainstreamrp.com>; 'Nicolene Venter'

<nicolene@imaginativeafrica.co.za>

Cc: 'John Geeringh' <GeerinJH@eskom.co.za>; 'Heleen van den Heever' <vdheevhd@telkom.co.za>; 'Morgan Griffiths' <morgan.griffiths@wessa.co.za>; 'Obakeng Isaacs' <munman@khaima.gov.za>; 'P Josop'

<commonage@khaima.gov.za>; 'Brian Fisher'

Fiff' <Francis.Rahlapane@transnet.net>; 'Amanda Bester' <WayleaCR@telkom.co.za>; 'Riaan Van Wyk'

<socialdev1@hantam.gov.za>; 'Natasha Higgitt' <nhiggitt@sahra.org.za>; 'Nicole Abrahams' <AbrahamsN@nra.co.za>; 'Ted Williams' <williams@saa.ac.za>; 'Chris Coetzee' <chris@salt.ac.za>; 'Hettie Buys' <HettieB@daff.gov.za>; 'Thoko

Buthelezi' < ThokoB@daff.gov.za>; 'Mmatlala Rabothata' < mrabothata@environment.gov.za>; 'Marianne Golding' < marianneg@ewt.org.za>; 'Simphiwe Masilela' < ObstacleEvaluators@atns.co.za>; 'Candice Stevens'

<advocacy@birdlife.org.za>; 'Johanna Morobane' <JohannaM@atns.co.za>; 'Lizell Stroh' <strohl@caa.co.za>; 'Adriaan

Tiplady' <atiplady@ska.ac.za>; 'Ramatholo Sefako' <rrs@saao.ac.za>; 'Samantha Ralston-Paton'

<energy@birdlife.org.za>; 'Gert Steenkamp' <gsteenkamp@ncpg.gov.za>; 'Moses Mahunonyane'

<MahunonyaneM@dws.gov.za>; 'Johan Koegelenberg' <KoegelenbergJ@sentech.co.za>; 'Lourens Leeuwner'

<lourensl@ewt.org.za>; 'Stanley Tshitwamulomoni' <StanleyT@environmental.gov.za>; 'Candice Spammer'

<spammec1@telkom.co.za>; 'Seoka Lekota' <slekota@environment.gov.za>; 'Jaco Roelofse'

<roelofse.j@vodamail.co.za>; 'Patrick Lenyibi' <plenyibi@ncpg.gov.za>; 'Ester Makungo' <makungoe@dws.gov.za>;

'Garth Julius' < JuliusG@nra.co.za>; 'Jannie Loubser' < janniel@namakwa-dm.gov.za>; 'ruth.cuttings@yahoo.com'

 $< ruth.cuttings@yahoo.com>; \\ 'kmotlhomi@ncpg.gov.za' < kmotlhomi@ncpg.gov.za>; \\ 'lefleurd@dws.gov.za' < kmotlhomi@ncpg.gov.za' < kmotlhomi@ncpg.gov.za>; \\ 'lefleurd@dws.gov.za' < kmotlhomi@ncpg.gov.za' < kmotlhomi@ncp$

<le>fleurd@dws.gov.za>; 'BesterAD@telkom.co.za' <BesterAD@telkom.co.za>

Subject: RE: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs

Comment Period Ending

Importance: High

******* Please note that this email was sent from a NO REPLY email address. Please do not reply to this address as it is an unmonitored email account.*********

Dear Stakeholder,

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE 132KV MAINSTREAM LINKING SUBSTATION AND FOUR (4) 132KV ON-SITE ESKOM SUBSTATIONS AND POWER LINES NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- 132kV Graskoppies Substations and Power line (DEA Ref No.: To be Announced)
- 132kV Hartbeest Leegte Substations and Power Line (DEA Ref No.: To be Announced)
- 132kV Ithemba Substations and Power Line DEA Ref No.: To be Announced)
- 132kV !Xha Boom Substations and Power Line DEA Ref No.: To be Announced)

Please note that the final day for comments on the Draft Basic Assessments Reports (DBArs) for the above mentioned wind farm projects is **on Monday 05 February 2018**.

This email serves as a reminder to please submit any comments by the close of business on the **Monday 05 February 2018 (COB)**

Should you have any comments, please feel free to contact the public participation office at the details below:

SiVEST Environmental

Hlengiwe Ntuli / Stephan Jacobs PO BOX 2921 Rivonia 2128

Tel: 011 798 0600 Fax: 011 803 7272

Email: hlengiwen@sivest.co.za / stephanj@sivest.co.za /

<< File: 13622 DBAR Notification Letter IAPs (Afr).pdf >> << File: 13622 DBAR Notification Letter IAPs (Eng).pdf >>

Kind Regards Andrea Gibb Senior Manager

SiVEST Environmental Division

<< OLE Object: Picture (Device Independent Bitmap) >>

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email andreag@sivest.co.za website www.sivest.co.za

Consulting Engineers - Project Managers - Environmental Consultants - Town and Regional Planners

Durban - Johannesburg - Pietermaritzburg - Richards Bay - Ladysmith - Cape Town - Harare (Zimbabwe)

₹CESA

From: sivest PPP

From: sivest_PPP

Sent: 14 December 2017 04:54 PM

To: Andrea Gibb <AndreaG@sivest.co.za>; Stephan Jacobs <StephanJ@sivest.co.za>;

'rebecca.thomas@mainstreamrp.com' <rebecca.thomas@mainstreamrp.com>; 'Nicolene Venter' <nicolene@imaginativeafrica.co.za>

Cc: 'John Geeringh' <GeerinJH@eskom.co.za>; 'Heleen van den Heever' <vdheevhd@telkom.co.za>; 'Morgan Griffiths' <morgan.griffiths@wessa.co.za>; 'Obakeng Isaacs' <munman@khaima.gov.za>; 'P Josop'

<commonage@khaima.gov.za>; 'Brian Fisher' <bfisher@ncpg.gov.za>; 'Henning Myburg' <henning@agrink.co.za>; 'Sam
Fiff' <Francis.Rahlapane@transnet.net>; 'Amanda Bester' <WayleaCR@telkom.co.za>; 'Riaan Van Wyk'
<socialdev1@hantam.gov.za>; 'Natasha Higgitt' <nhiggitt@sahra.org.za>; 'Nicole Abrahams' <AbrahamsN@nra.co.za>;
'Ted Williams' <williams@saa.ac.za>; 'Chris Coetzee' <chris@salt.ac.za>; 'Hettie Buys' <HettieB@daff.gov.za>; 'Thoko
Buthelezi' <ThokoB@daff.gov.za>; 'Mmatlala Rabothata' <mrabothata@environment.gov.za>; 'Marianne Golding'
<marianneg@ewt.org.za>; 'Simphiwe Masilela' <ObstacleEvaluators@atns.co.za>; 'Candice Stevens'

<advocacy@birdlife.org.za>; 'Johanna Morobane' <JohannaM@atns.co.za>; 'Lizell Stroh' <strohl@caa.co.za>; 'Adriaan Tiplady' <atiplady@ska.ac.za>; 'Ramatholo Sefako' <rrs@saao.ac.za>; 'Samantha Ralston-Paton'

<energy@birdlife.org.za>; 'Gert Steenkamp' <gsteenkamp@ncpg.gov.za>; 'Moses Mahunonyane' <MahunonyaneM@dws.gov.za>; 'Johan Koegelenberg' <KoegelenbergJ@sentech.co.za>; 'Lourens Leeuwner' <lourensl@ewt.org.za>; 'Stanley Tshitwamulomoni' <StanleyT@environmental.gov.za>; 'Candice Spammer' <spammec1@telkom.co.za>; 'Seoka Lekota' <slekota@environment.gov.za>; 'Jaco Roelofse' <roelofse.j@vodamail.co.za>; 'Patrick Lenyibi' <plenyibi@ncpg.gov.za>; 'Ester Makungo' <makungoe@dws.gov.za>; 'Garth Julius' <JuliusG@nra.co.za>; 'Jannie Loubser' <janniel@namakwa-dm.gov.za>; 'ruth.cuttings@yahoo.com' <ruth.cuttings@yahoo.com>; 'kmotlhomi@ncpg.gov.za' <kmotlhomi@ncpg.gov.za>; 'lefleurd@dws.gov.za' <le>lefleurd@dws.gov.za>; 'BesterAD@telkom.co.za' <BesterAD@telkom.co.za>

Subject: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs Available for Review

******* Please note that this email was sent from a NO REPLY email address. Please do not reply to this address as it is an unmonitored email account.********

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE 132KV MAINSTREAM LINKING SUBSTATION AND FOUR (4) 132KV ON-SITE ESKOM SUBSTATIONS AND POWER LINES NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

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- 132kV Ithemba Substations and Power Line DEA Ref No.: To be Announced)
- 132kV !Xha Boom Substations and Power Line DEA Ref No.: To be Announced)

SiVEST is in the process of undertaking the Basic Assessments (BAs) for the proposed development of the abovementioned Substations and Power Lines near Loeriesfontein in the Northern Cape Province.

We would like to take this opportunity to inform you that, in accordance with the National Environmental Management Act (NEMA) (as amended), the Draft Basic Assessment Reports (DBARs) will be made available for public comment and review as from Thursday 14 December 2017 to Monday 05 February 2018 (before end of business day).

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Stephan Jacobs / Hlengiwe Ntuli PO BOX 2921, Rivonia, 2128 Tel - (011) 798 0600 Fax - (011) 803 7272 Email - stephani@sivest.co.za /

hlengiwen@sivest.co.za

Kind Regards **Andrea Gibb** Senior Manager

SiVEST Environmental Division

<< OLE Object: Picture (Device Independent Bitmap) >>

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Direct +27 11 798 0638 Tel +27 11 798 0600 fax +27 11 803 7272 email andreag@sivest.co.za website www.sivest.co.za

GREEN BUILDING COUNCIL MEMBER ORGANISATION 2017

OCESA

Stephan Jacobs

From: sivest PPP

Sent: Wednesday, January 31, 2018 8:36 AM

To: Andrea Gibb; Stephan Jacobs; 'rebecca.thomas@mainstreamrp.com'; 'Nicolene Venter'

Cc: 'John Geeringh'; 'Heleen van den Heever'; 'Morgan Griffiths'; 'Obakeng Isaacs'; 'P Josop';

'Brian Fisher'; 'Henning Myburg'; 'Sam Fiff'; 'Amanda Bester'; 'Riaan Van Wyk'; 'Natasha

Higgitt'; 'Nicole Abrahams'; 'Ted Williams'; 'Chris Coetzee'; 'Hettie Buys'; 'Thoko Buthelezi'; 'Mmatlala Rabothata'; 'Marianne Golding'; 'Simphiwe Masilela'; 'Candice Stevens'; 'Johanna Morobane'; 'Lizell Stroh'; 'Adriaan Tiplady'; 'Ramatholo Sefako'; 'Samantha Ralston-Paton'; 'Gert Steenkamp'; 'Moses Mahunonyane'; 'Johan

Koegelenberg'; 'Lourens Leeuwner'; 'Stanley Tshitwamulomoni'; 'Candice Spammer'; 'Seoka Lekota'; 'Jaco Roelofse'; 'Patrick Lenyibi'; 'Ester Makungo'; 'Garth Julius'; 'Jannie Loubser'; 'ruth.cuttings@yahoo.com'; 'kmotlhomi@ncpq.gov.za'; 'lefleurd@dws.gov.za';

'BesterAD@telkom.co.za'

Subject: RE: Proposed Mainstream Substations and Power Lines for the Wind Farms near

Loeriesfontein: DBARs Comment Period Ending

Importance: High

******* Please note that this email was sent from a NO REPLY email address. Please do not reply to this address as it is an unmonitored email account.*********

Dear Stakeholder,

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Should you have any comments, please feel free to contact the public participation office at the details below:

SiVEST Environmental

Hlengiwe Ntuli / Stephan Jacobs PO BOX 2921 Rivonia 2128

Tel: 011 798 0600 Fax: 011 803 7272

Email: hlengiwen@sivest.co.za / stephanj@sivest.co.za /





13622 DBAR 13622 DBAR Notification Lett... Notification Lett...

Kind Regards

Andrea Gibb

Senior Manager

SiVEST Environmental Division



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email <u>andreag@sivest.co.za</u> website <u>www.sivest.co.za</u>





Consulting Engineers - Project Managers - Environmental Consultants - Town and Regional PlannersDurban - Johannesburg - Pietermaritzburg - Richards Bay - Ladysmith - Cape Town - Harare (Zimbabwe)

From: sivest PPP

Sent: 14 December 2017 04:54 PM

To: Andrea Gibb <AndreaG@sivest.co.za>; Stephan Jacobs <StephanJ@sivest.co.za>;

'rebecca.thomas@mainstreamrp.com' <rebecca.thomas@mainstreamrp.com>; 'Nicolene Venter' <nicolene@imaginativeafrica.co.za>

Cc: 'John Geeringh' <GeerinJH@eskom.co.za>; 'Heleen van den Heever' <vdheevhd@telkom.co.za>; 'Morgan Griffiths' <morgan.griffiths@wessa.co.za>; 'Obakeng Isaacs' <munman@khaima.gov.za>; 'P Josop'

<commonage@khaima.gov.za>; 'Brian Fisher'

Fiff' <Francis.Rahlapane@transnet.net>; 'Amanda Bester' <WayleaCR@telkom.co.za>; 'Riaan Van Wyk'

<socialdev1@hantam.gov.za>; 'Natasha Higgitt' <nhiggitt@sahra.org.za>; 'Nicole Abrahams' <AbrahamsN@nra.co.za>;
'Ted Williams' <williams@saa.ac.za>; 'Chris Coetzee' <chris@salt.ac.za>; 'Hettie Buys' <HettieB@daff.gov.za>; 'Thoko

Buthelezi' < ThokoB@daff.gov.za>; 'Mmatlala Rabothata' < mrabothata@environment.gov.za>; 'Marianne Golding' < marianneg@ewt.org.za>; 'Simphiwe Masilela' < ObstacleEvaluators@atns.co.za>; 'Candice Stevens'

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Tiplady' <atiplady@ska.ac.za>; 'Ramatholo Sefako' <rrs@saao.ac.za>; 'Samantha Ralston-Paton'

<energy@birdlife.org.za>; 'Gert Steenkamp' <gsteenkamp@ncpg.gov.za>; 'Moses Mahunonyane'

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<lourensl@ewt.org.za>; 'Stanley Tshitwamulomoni' <StanleyT@environmental.gov.za>; 'Candice Spammer'

<spammec1@telkom.co.za>; 'Seoka Lekota' <slekota@environment.gov.za>; 'Jaco Roelofse'

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'Garth Julius' <JuliusG@nra.co.za>; 'Jannie Loubser' <janniel@namakwa-dm.gov.za>; 'ruth.cuttings@yahoo.com'

<ruth.cuttings@yahoo.com>; 'kmotlhomi@ncpg.gov.za' <kmotlhomi@ncpg.gov.za>; 'lefleurd@dws.gov.za'

<le>fleurd@dws.gov.za>; 'BesterAD@telkom.co.za' <BesterAD@telkom.co.za>

Subject: Proposed Mainstream Substations and Power Lines for the Wind Farms near Loeriesfontein: DBARs Available for Review

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BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE 132KV MAINSTREAM LINKING SUBSTATION AND FOUR (4) 132KV ON-SITE ESKOM SUBSTATIONS AND POWER LINES NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

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Stephan Jacobs / Hlengiwe Ntuli

PO BOX 2921, Rivonia, 2128 Tel – (011) 798 0600

Fax - (011) 803 7272

Email – stephanj@sivest.co.za / hlengiwen@sivest.co.za

Kind Regards Andrea Gibb Senior Manager

SiVEST Environmental Division

<< OLE Object: Picture (Device Independent Bitmap) >>

SiVEST is a Level 3 BBBEE Contributor

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 Tel
 +27 11 798 0600
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 email
 andreag@sivest.co.za
 website
 www.sivest.co.za

Consulting Engineers - Project Managers - Environmental Consultants - Town and Regional Planners

Durban - Johannesburg - Pietermaritzburg - Richards Bay - Ladysmith - Cape Town - Harare (Zimbabwe)



GREEN BUILDING COUNCIL
MEMBER ORGANISATION 2017

DBAR DISTRIBUTION TO I&AP's Trace and Track Parcel (CD) Registered Letter Fast Mail Addressed To: Mr Thabani Mhlongo South African Weather Service Private Bag X097 PRETORIA 0001 Tracking Number: Tracking Number:

Х	Trace and Track Parcel (CD) Registered Letter Fast Mail	Project Number: 13622
Addres	Mr DE BEERS CONSOLIDATED MINES Cnr. Diamond & Crownwood Rd, Theta JOHANNESBURG 2013	Post Office Stamp: 14 DEC 2817 Tracking Number:

Trace and Track Parcel (CD) Registered Letter X Fast Mail	Project Number: 13622
Addressed To:	Post Office Stamp: 1 4 DEC 2017 4 2128 Tracking Number:

DBAR DISTRIBUTION TO I&AP's

Х	Trace and Track Parcel (CD) Registered Letter Fast Mail	Project Number: 13622
Addres	Clr Margaret Esau Councillor Hantam Local Municipality 2857 Eeeste Laan CALVINIA	Post Office Stamp:
	8190	Tracking Number

Trace and Track Parcel (CD) Registered Letter X Fast Mail	Project Number: 13622
Addressed To:	Post Office Stamp: 14 DEC 2017 Tracking Number:

	Trace and Track Parcel (CD)	Project Number:
х	Registered Letter Fast Mail	13622
	Past Mail Seed To: Mr Albertus Van Zyl PTN 3 Farm GIFKOP116 P O BOX 195 LOERIESFONTEIN 8185	Post Office Stamp: 14 DEC 2017 Tracking Number:

Trace and Track Parcel (CD) Registered Letter X Fast Mail	Project Number: 13622
Addressed To: Mr Lourens Leeuwner Ms Marianne Golding Endangered Wildlife Trust Private Bag X11 MODDERFONTEIN 1609	Post Office Stamp: 1 4 DEC 2017 Tracking Number:

R	race and Track Parcel (CD) Registered Letter ast Mail	Project Number: 13622	
Addressed	Mr Riaan Van Wyk Environmental Officer Hantam Local Municipality Private Bag X14 CALVINA	 Post Office Stamp: 14 DEC 2017	
	8190	 Tracking Number:	

R	Frace and Track Parcel (CD) Registered Letter Fast Mail	Project Number: 13622
Addresse	Mr John Geeringh Chief Planner Eskom: Transmission PO Box 1091 JOHANNESBURG 2000	Post Office Stamp: 14 DEC 2017 2123 Tracking Number:

Х	Trace and Track Parcel (CD) Registered Letter Fast Mail	Project Number: 13622
Addres	Mr Patrick Lenyibi Manager: Heritage Resources DEPARTMENT OF SPORT, ARTS & (Private Bag X5004 KIMBERLEY 8300	Post Office Stamp: 1 4 DEC 2017 Tracking Number:
	Tuesday of Tuesday Bernaul (CD)	Dunings Normalism

Х	Trace and Track Parcel (CD) Registered Letter Fast Mail	Project Number: 13622
Addres	Mr Moses Mahunonyane Ms Ester Makungo Environmental Officer Department of Water & Sanitation Private Bag X6101 KIMBERLEY 8300	Post Office Stamp: 14 DEC 2017
		Tracking Number:

	Trace and Track Parcel (CD)	Project Number:
х	Registered Letter Fast Mail	13622
Addres	ssed To:	Post Office Stamp:
	 Mr Brian Fisher Director of Environmental Impact Ma Dept of Environment and Nature Co Private bag x6102 KIMBERLEY 8300 	Tracking Number:

DBAR OOS DISTRIBU	TION
Trace and Track Parcel (CD) Registered Letter X Fast Mail	Project Number: 13622
Addressed To:	Post Office Stamp
Trace and Track Parcel (CD) Registered Letter X Fast Mail	Project Number: 13622
Addressed To:	Post Office Stamp: 14 BEC 2017 Tracking Number: 12
Trace and Track Parcel (CD) Registered Letter X Fast Mail	Project Number: 13622
Addressed To: Ms Nicole Abrahams Mr Garth Julius SANRAL Private Bag X19 Bellville 7535	Post Office Stamp: 1 4 DEC 2017 4 2128 Tracking Number:

	Trace and Track Parcel (CD)	Project Number:
×	Registered Letter Fast Mail	13622
	Mr P Josop Mr Obakeng Isaacs Municipal Manager KHAI-MA LOCAL MUNICIPALITY PO Box 108 POFADDER	Post Office Stamp: 14 DEC 2017 4 3128
	8890	Tracking Number:

Trace and Track Parcel (CD) Registered Letter X Fast Mail	Project Number: 13622
Addressed To: Ms Ruth Cutting Mr Gert Steenkamp NC Department of Agriculture, Land PO Box 65 CALVINIA 8190	Post Office Stamps 1 4 DEC 2017
	Tracking Number:

Trace and Track Parcel (CD)	Project Number:
Registered Letter X Fast Mail	13622
Addressed To:	Post Office Stamp: 14 DEC 2017 4 Tracking Number:

х	Trace and Track Parcel (CD) Registered Letter Fast Mail	Project Number: 13622
Addres	Mr Johan Koegelenberg Renewable Projects SENTECH Private Bag X06 HONEYDEW 2040	Post Office Stamp: 1 DEC 2017 Tracking Number:

	Trace and Track Parcel (CD) Registered Letter Fast Mail	Project Number: 13622
Addresse	Dr Ramatholo Sefako Head of Telescope Operations (TOPS) South African Astronomical Observator PO Box 9 OBSERVATORY 7935 Prof Ted Williams Mr Chris Coetzee	Post Office Stamp: 14 DEC 2017 Tracking Number:

	Trace and Track Parcel (CD)	Project Number:
	1 1	Project Number.
	Registered Letter	13622
Х	Fast Mail	-5022
Addres	sed To:	Post Office Stamp:
	Dr Adriaan Tiplady Manager: Site Categorisation ry Square Kilometre Array PO Box 522940 SAXONWOLD 2132	14 DEC 2017 4 128 Tracking Number:

	Trace and Track Parcel (CD)	Project Number:
х	Registered Letter Fast Mail	13622
_	Me Heleen van den Heever Ops Manager Central Region Telkom (SA) Ltd Private Bag X20700 BLOEMFONTEIN 9300 Ms Candice Spammer Ms Amanda Bester	Post Office Stamp: N 1 4 DEC 2017 A Tracking Number:

х	Trace and Track Parcel (CD) Registered Letter Fast Mail	Project Number: 13622
Addres	Mr Sam Fiff Environmental Manager: Freight Rail Transnet Freight Rail (Jhb) PO Box 255 BLOEMFONTEIN 9300	Post Office Stamp: 1 4 BEC 2017
		Tracking Number: 28

Trace and Track Parcel (CD) Registered Letter X Fast Mail	Project Number: 13622
Addressed To:	Post Office Stamp: 1 4 DEC 2017 4 Tracking Number:

Х	Trace and Track Parcel (CD) Registered Letter Fast Mail	Project Number: 13622
Addres	Mr Henning Myburg General Manager Agri SA: Northern Cape PO Box 1094 KIMBERLEY	Post Office Stamp: 1 4 DEC 2017 Tracking Number:

Х	Trace and Track Parcel (CD) Registered Letter Fast Mail	Project Number: 13622
Addres	Ms Samantha Ralston-Paton Manager Bird Life South Africa P O Box 515 RANDBURG	Post Office Stamp? 1 4 DEC 2017 Tracking Number:

	Trace and Track Parcel (CD)	Project Number:
×	Registered Letter Fast Mail	13622
	sed To:	Post Office Stamp:
	Ms Johanna Morobane Ms Simphiwe Masilela Obstacle Evaluator Air Traffic Navigation Services Private Bag x15 KEMPTON PARK	TADEC 2017
		 Tracking Number:

Х	Trace and Track Parcel (CD) Registered Letter Fast Mail	Project Number: 13622
Addres	8300 Ms Thoko Buthelezi	Post Office Stamp: 1 4 DEC 2017
_	Mrs Hettie Buys Senior Registry Clerk Department of Agriculture, Forestry and Private Bag X120 PRETORIA 0001	Tracking Number:

Trace and Track Parcel (CD) Registered Letter X Fast Mail	Project Number: 13622
Addressed To: 1620 Mr Seoka Lekota Mr Stanley Tshitwamulomoni Department of Environmental Affairs d I Private Bag X447 PRETORIA 0001	Tracking Number: REGISTERED LETTER (with a domestic insurance option) Sharecall 0880 111 502 www.sapc.co.za RD 600 055 853 ZA CUSTOMER COPY 301028R

	Trace and Track Parcel (CD) Registered Letter	Project Number:
Х	Fast Mail	13622
Addres	Mr Rasibe Sekepane Mr Vincent Muila Department of Mineral Resources (E Private Bag x6093 KIMBERLEY 8300	Post Office Stamp: 1 4 DEC 2017 Tracking Number:

DBAR DISTRIBUTION TO I&AP's Trace and Track Parcel (CD) Project Number: **Registered Letter** 13622 Fast Mail Χ Post Office Stamp: Addressed To: 1 4 DEC 2017 Ms Marie Burden Portion 2 of the Farm Georgs Vley N PO Box 113 **LOERIESFONTEIN** 8195 Tracking Number: Trace and Track Parcel (CD) Project Number: **Registered Letter** Fast Mail Addressed To: Post Office Stamp: Tracking Number: Trace and Track Parcel (CD) Project Number: **Registered Letter** Fast Mail Addressed To: Post Office Stamp: Tracking Number:

51 Wessel Road, Rivonia PO Box 2921, Rivonia 2128 Gauteng, South Africa

Phone 27 11 798 0600 27 11 803 7272 Fax info sivest.co.za Email www.sivest.co.za



DEA Reference: TBC

Our reference: 13622 - Grid

> Date: 14 December 2017

Via Post

Dear Stakeholder.

BASIC ASSESSMENTS (BAs) FOR THE PROPOSED CONSTRUTION OF THE 132kV MAINSTREAM LINKING SUBSTATION AND FOUR (4) 132kV ON-SITE ESKOM SUBSTATIONS AND POWER LINES NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- Graskoppies Substations and Power Lines (DEA Ref No: To be announced)
- Xha! Boom Substations and Power Lines (DEA Ref No: To be announced)
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SiVEST is in the process of undertaking the Basic Assessments (BAs) for the proposed development of the above mentioned Mainstream Substations and Power Lines near Loeriesfontein in the Northern Cape Province.

We would like to take this opportunity to inform you that, in accordance with the National Environmental Management Act (NEMA) (as amended), the Draft Basic Assessment Reports (DBARs) will be made available for public comment and review as from Thursday 14 December 2017 to Monday 05 February 2018 (before end of business day).

Please find herewith enclosed an electronic copy (on CD) of the DBARs as well as the accompanying appendices. We kindly request that you submit your comments to Public Participation Office at the below details, on or before Monday 05 February 2018 (before end of business day). SiVEST will forward any comments received after the public comment and review period directly to the relevant case officer at the Department of Environmental Affairs (DEA).

Should you have any questions or queries please do not hesitate to contact us at:

Stephan Jacobs

PO BOX 2921. Rivonia, 2128 Tel - (011) 798 0600 Fax - (011) 803 7272 Email - stephanj sivest.co.za

Yours sincerely,

Andrea Gibb Senior Manager

SiVEST Environmental Division

Encl: 1 x Electronic copy (on CD) containing the four (4) DBARs



Stephan Jacobs

From: sivest_PPP

Sent: Thursday, December 14, 2017 4:54 PM

To: Andrea Gibb; Stephan Jacobs; 'rebecca.thomas@mainstreamrp.com'; 'Nicolene Venter'

Cc: 'John Geeringh'; 'Heleen van den Heever'; 'Morgan Griffiths'; 'Obakeng Isaacs'; 'P Josop';

'Brian Fisher'; 'Henning Myburg'; 'Sam Fiff'; 'Amanda Bester'; 'Riaan Van Wyk'; 'Natasha

Higgitt'; 'Nicole Abrahams'; 'Ted Williams'; 'Chris Coetzee'; 'Hettie Buys'; 'Thoko Buthelezi'; 'Mmatlala Rabothata'; 'Marianne Golding'; 'Simphiwe Masilela'; 'Candice Stevens'; 'Johanna Morobane'; 'Lizell Stroh'; 'Adriaan Tiplady'; 'Ramatholo Sefako'; 'Samantha Ralston-Paton'; 'Gert Steenkamp'; 'Moses Mahunonyane'; 'Johan

Koegelenberg'; 'Lourens Leeuwner'; 'Stanley Tshitwamulomoni'; 'Candice Spammer'; 'Seoka Lekota'; 'Jaco Roelofse'; 'Patrick Lenyibi'; 'Ester Makungo'; 'Garth Julius'; 'Jannie Loubser'; 'ruth.cuttings@yahoo.com'; 'kmotlhomi@ncpq.gov.za'; 'lefleurd@dws.gov.za';

'BesterAD@telkom.co.za'

Subject: Proposed Mainstream Substations and Power Lines for the Wind Farms near

Loeriesfontein: DBARs Available for Review

******* Please note that this email was sent from a NO REPLY email address. Please do not reply to this address as it is an unmonitored email account.*********

BASIC ASSESSMENTS (BAS) FOR THE PROPOSED DEVELOPMENT OF THE 132KV MAINSTREAM LINKING SUBSTATION AND FOUR (4) 132KV ON-SITE ESKOM SUBSTATIONS AND POWER LINES NEAR LOERIESFONTEIN, NORTHERN CAPE PROVINCE

- 132kV Graskoppies Substations and Power line (DEA Ref No.: To be Announced)
- 132kV Hartbeest Leegte Substations and Power Line (DEA Ref No.: To be Announced)
- 132kV Ithemba Substations and Power Line DEA Ref No.: To be Announced)
- 132kV !Xha Boom Substations and Power Line DEA Ref No.: To be Announced)

SiVEST is in the process of undertaking the Basic Assessments (BAs) for the proposed development of the above-mentioned Substations and Power Lines near Loeriesfontein in the Northern Cape Province.

We would like to take this opportunity to inform you that, in accordance with the National Environmental Management Act (NEMA) (as amended), the Draft Basic Assessment Reports (DBARs) will be made available for public comment and review as from **Thursday 14 December 2017 to Monday 05 February 2018** (before end of business day).

The DBARs as well as the accompanying appendices are available online (http://www.sivest.co.za/ click on 'Downloads' and navigate to '13622 Mainstream Substations and Power Lines) and an electronic copy (on CD) has been posted to you. We kindly request that you submit your comments to Public Participation Office at the below details, on or before Monday 05 February 2018 (before end of business day). SiVEST will forward any comments received after the public comment and review period directly to the relevant case officer at the Department of Environmental Affairs (DEA). Should you have any questions or queries please do not hesitate to contact us at:

Stephan Jacobs / Hlengiwe Ntuli

PO BOX 2921, Rivonia, 2128

Tel – (011) 798 0600 Fax – (011) 803 7272

Email – stephanj@sivest.co.za / hlengiwen@sivest.co.za

Kind Regards

Andrea Gibb

Senior Manager

SiVEST Environmental Division



SiVEST is a Level 3 BBBEE Contributor

GREEN BUILDING COUNCIL MEMBER ORGANISATION 2017

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