

Date:

05/04/2023

Our ref:

P22817 Cover letter

Mr P Strumpher

12 Donkin Street

Mid Town

Beaufort West

6970

Sir,

- BY HAND -

APPLICATION FOR CONSENT USE TO LEGALLY DEVELOP DIE PLAAS 423, REGISTRATION DIVISION BEAUFORT WEST, WESTERN CAPE PROVINCE FOR RENEWABLE ENERGY STRUCTURES (SOLAR ENERGY FACILITY), IN TERMS OF SECTION 15(2) READ WITH SECTION 19, CONTAINED IN CHAPTER III, READ WITH CHAPTER IV OF THE BEAUFORT WEST MUNICIPALITY: BY-LAW ON MUNICIPAL LAND USE PLANNING, 2019, TO BE KNOWN AS HOODIA PV, ROSENIA PV & SALSOLA PV.

The above-mentioned application has reference.

Please find herewith 2 complete copies of the above mentioned application as well as an electronic copy on a CD. The following is submitted for your consideration:

ANNEXURE A: APPLICATION FORM T1 & T2, PRE-APPLICATION MEETING MINUTES, ATTENDANCE REGISTER

PRE-APPLICATION INPUTS

ANNEXURE B: POWER OF ATTORNEY & TRUST RESOLUTIONS

ANNEXURE C: TITLE DEED

ANNEXURE D: LOCALITY PLAN

ANNEXURE E: SG DIAGRAM

ANNEXURE F: MOTIVATIONAL MEMORANDUM

ANNEXURE G: SITE DEVELOPMENT PLAN

ANNEXURE H: ENVIRONMENTAL AUTHORISATION

ANNEXURE I: TRAFFIC IMPACT ASSESSMENT

ANNEXURE J: COMMENTS FORM OTHER DEPARTMENTS

ANNEXURE K: SERVICE LETTERS FROM THE MUNICIPALITY

ANNEXURE L: CONVEYANCER CERTIFICATE

ANNEXURE M: DEPARTMENT OF AGRICULTURE, LAND REFORM AND RURAL DEVELOPMENT NO OBJECTION LETTER

ANNEXURE N: WESTERN CAPE DEPARTMENT OF AGRICULTURE LAND USE MANAGEMENT NO OBJECTION LETTER

ANNEXURE O: DESIGN REPORTS

Proof of payment for the relevant application fees is attached for your convenience.

Please feel free to contact us should you have any further queries in this regard.

Trust you find this in order.

Yours faithfully,

MR K.W. ROST

TOWNSCAPE PLANNING SOLUTIONS CC



#### Record of payment

Date: 04/04/2023 Time: 9:37 AM

From account number	****22460
From account name	Townscape
My reference	P22817_Bulskop_Appl fee
Recipient's reference	Farm 423 Beaufort West
Bank	Nedbank
Amount	R8 761.00
Payment date	04/04/2023
Reference number	20230404/Nedbank/003963704584

Important: This Record of payment contains personal account information and is for the accountholder's use only. Please use the Proof of payment option to notify the recipient of the payment

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#### **ANNEXURE A:**

# APPLICATION FORM T1 & T 2 PRE-APPLICATION MEETING MINUTES ATTENDANCE REGISTER PRE-APPLICATION INPUTS





#### BEAUFORT-WES(T) MUNISIPALITEIT // MUNICIPALITY

#### LAND USE PLANNING PRE-APPLICATION CONSULTATION FORM

#### KINDLY NOTE:

Pre-application consultation is an advisory session and does not in any way pre-empt the outcome of any future application which may be submitted to the Municipality.

PART A: PARTICULARS	
Reference number:	

#### Purpose of consultation:

Pre-application consultation for consent to accommodate\_Renewable Energy Structures on portions of the farm Die Plaas 423, Registration Division Beaufort West, Western Cape Province

Consent use:

In terms of Section 15(2) read with Section 19 of Beaufort West Municipality: By-Law on Municipal Land Use Planning: To regulate and control municipal land use planning for the consent of the farm **Die Plaas 423**, **Registration Division Beaufort West**, **Western Cape Province** to accommodate Renewable Energy Structures on portions of the mentioned property.

Consent to register a long-term lease and servitudes or exception thereof over the mentioned farm in terms of Section 15(2) read with Section 24 of the Beaufort West Municipality: By-Law on Municipal Land Use Planning: To regulate and control municipal land use planning.

#### Property(ies) description:

DIE PLAAS 423, REGISTRATION DIVISION BEAUFORT WEST, WESTERN CAPE PROVINCE

Date: 24 March 2023

#### Attendees:

	Name & Surname	Organisation	Contact Number	E-mail .
Official	Christopher Wright	Beaufort West Mun	023 414 8140	christopher@beaufortwestmun.co.za
Pre- applicant	Wilhelm Rost	Townscape Planning Solutions	082 662 1105	wilhelm@tpsplanners.co.za
	Gavin Fourie	Townscape Planning Solutions	071 354 2461	adminmp@tpsplanners.co.za

List documents provided for discussion at meeting:

(Include document reference, document/plan dates and plan numbers where possible and attach to this

form)

Title Deeds

SDP

<u>Traffic impact assessment</u>

EIA

Service letters

Has pre-application consultation been undertaken for a land development application in terms of section 53 of the Western Cape Land Use Planning Act, 2014 (Act 3 of 2014) (LUPA) and regulation 10 of the Western Cape Land Use Planning Regulations, 2015 (LUP regulations)?

(If yes, request a copy of the minutes)

#### Comprehensive overview of proposal:

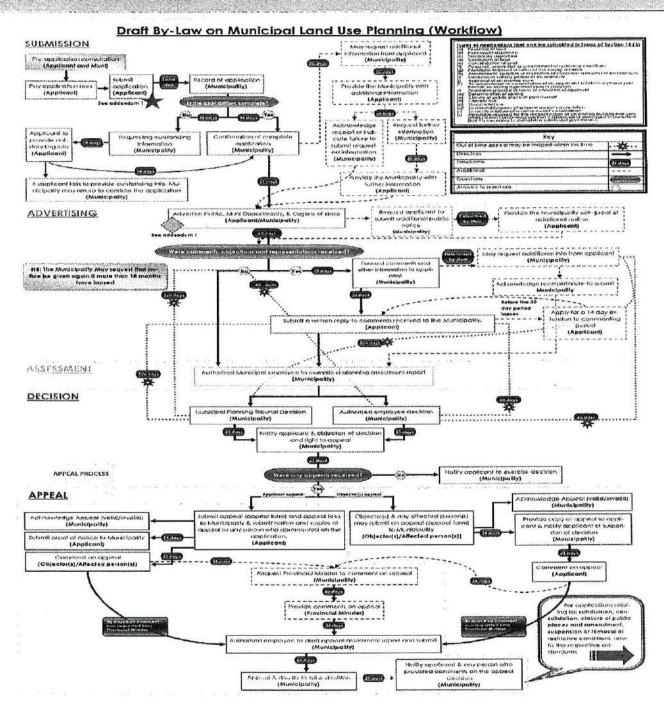
Townscape Planning Solutions was appointed to apply for the consent use application on Die Plaas 423, Registration Division Beaufort West, Western Cape Province (hereafter referred to as the "application property"). The client, wishes to utilise the property for the purpose of a Solar PV (Photovoltaic System) Energy Facility.

#### Consent use:

In terms of Section 15(2) read with Section 19 of Beaufort West Municipality: By-Law on Municipal Land Use Planning: To regulate and control municipal land use planning for the consent of the farm Die Plaas 423, Registration Division Beaufort West, Western Cape Province to accommodate Renewable Energy Structures on portlons of the mentloned property.

Consent to register a long-term lease and servitudes or exception thereof over the mentioned farm in terms of Section 15(2) read with Section 24 of the Beaufort West Municipality: By-Law on Municipal Land Use Planning: To regulate and control municipal land use planning.

#### PART B: APPLICATION PROCESS



## SECTION A: DETERMINATION OF APPLICATION TYPES, PRESCRIBED NOTICE AND FEES

Tick if relevant		What land use planning applications are required in terms of section 15 of the  By-Law on Municipal Land Use Planning for Beaufort West Municipality				
V	2(a)	a rezoning of land;	R			
V	2(b)	a permanent departure from the development parameters of the zoning scheme;				
<b>V</b>	a departure granted on a temporary basis to utilise land for a purpose not permitted in terms of the primary rights of the zoning applicable to the land;		R			
į	2(d)	a subdivision of land that is not exempted in terms of section 24, including the registration of a servitude or lease agreement;	R 2 187.00			
Ą	2(e)	a consolidation of land that is not exempted in terms of section 24;	R			
1	2(f)	a removal, suspension or amendment of restrictive conditions in respect of a land unit;	R			
V	2(g)	a permission required in terms of the zoning scheme;	R			
ļ	2(h)	an amendment, deletion or imposition of conditions in respect of an existing approval;	R			
d.	2(i)	an extension of the validity period of an approval;	R			
1	2(j)	an approval of an overlay zone as contemplated in the zoning scheme;	R			
Į	2(k)	an amendment or cancellation of an approved subdivision plan or part thereof, including a general plan or diagram;	R			
V	2(1)	a permission required in terms of a condition of approval;	R			
Ï	2(m)	a determination of a zoning;	R			
V	2(n)	a closure of a public place or part thereof;	R			
V	2(0)	a consent use contemplated in the zoning scheme;	R 2 187.00			
I	2(p)	an occasional use of land;	R			
1	2(q)	to disestablish a home owner's association;	R			
V	2(r)	to rectify a failure by a home owner's association to meet its obligations in respect of the control over or maintenance of services;	R			
= (	2(s)	a permission required for the reconstruction of an existing building that constitutes a non-conforming use that is destroyed or damaged to the extent that it is necessary to demolish a substantial part of the building.	R			

Tick if relevant		What prescribed notice will be required?		
Υ	N	Serving of notices (i.e Delivering by hand; registered post; data messages)  Publication of notices (i.e Local Newspaper(s); Provincial Gazette; site notice;  Municipality's website)	R 7 921 00	
Y	N	Additional publication of notices (i.e Site notice, public meeting, local radio station, Municipality's website, letters of consent or objection)	R	
Ϋ́	N	Notice of decision (i.e Provincial Gazette)	R 1 463.00	
Υ	N	Integrated procedures	R	
		TOTAL APPLICATION FEE*:	R 8 761.00	

**KINDLY NOTE:** \* Application fees are estimated on the information discussed and are subject to change with submission of the formal application.

Application fees that are paid to the Municipality are non-refundable and proof of payment of the application fees must accompany an application.

The applicant is liable for the cost of publishing and serving notice of an application.

SECTION B:
PROVISIONS IN TERMS OF THE RELEVANT PLANNING LEGISLATION / POLICIES / GUIDELINES

QUESTIONS REGARDING PLANNING POLICY	YES	NO	TO BE	COMMENT	
CONTEXT	TES INC		DETERMINED	COMMENT	
ls any municipal integrated development plan,					
spatial development framework(s), structure plans,					
by-laws or any other municipal policies or	х			Yes	
guidelines applicable? If yes, is the proposal in line					
with the aforementioned documentation/plans?					
Any applicable restrictive condition(s) prohibiting					
the proposal? If yes, is/are the condition(s) in favour		x			
of a third party(ies)? [List condition numbers and		^			
third party(ies)]					
Any other Municipal by-law that may be relevant	х		3 900	-	
to application? (If yes, specify)					
Zoning Scheme By-law considerations:			1		
What is the current zoning of the property?					
Agricultural 1					
What is the proposed zoning of the property?					
Zoning: Agricultural 1					
Land-Use: Renewable Energy Structure					
Does the proposal fall within the provisions/parame	ters of t	he zoni	ng scheme?		
Yes					
Are additional applications required to deviate from	n the zo	oning so	cheme? (if		
yes, specify)					

QUESTIONS REGARDING OTHER PLANNING CONSIDERATIONS	YES	NO	TO BE DETERMINED	COMMENT	
Is a development application affecting national interest in terms of section 52(3) of Spatial Planning Land Use Management Act, 2013 (Act 16 of 2013) (SPLUMA), required?	X				
Is the proposal in line with the national spatial development framework and national laws, regulations, other guidelines or documents?	х				
Is the proposal in line with the principles for land development, set out in the SPLUMA and the Western Cape Land Use Planning Act, 2014 (Act 3 of 2014)?	х				
Is the proposal in line with the provincial spatial development framework(s) and provincial laws, regulations, other policies, guidelines or documents?	X				
Is any district municipal integrated development plan, spatial development framework, other policies, guidelines or documents relevant?					

# SECTION C: CONSENT / COMMENT REQUIRED FROM OTHER ORGANS OF STATE

QUESTIONS REGARDING CONSENT /		4.1	TO BE	OBTAIN APPROVAL /
COMMENT REQUIRED	YES	NO	DETERMINED	CONSENT / COMMENT FROM:
ls a land development application required in terms of section 53(2) of LUPA or section 10 of LUP Regulations?	X			
Is provincial comment on land use application(s) required in terms of section 45(1) of LUPA?	Х			DEA&DP
ls/was the property(ies) utilised for agricultural purposes?	Х			Western Cape Government Department of Agriculture
Will the proposal require approval in terms of Subdivision of Agricultural Land Act, 1970 (Act 70 of 1970)?	х			National Department of Agriculture, Forestry and Fisheries (DAFF)
Will the proposal trigger a listed activity in terms of National Environmental Management Act, 1998 (Act 107 of 1998) (NEMA)?	х			DEA&DP
Will the proposal require authorisation in terms of Specific Environmental Management Act(s) (SEMA)?  (National Environmental Management: Protected Areas Act, 2003 (Act 57 of 2003) (NEM:PAA) /  National Environmental Management: Biodiversity Act, 2004 (Act 10 of 2004) (NEM:BA) /  National Environmental Management: Air Quality Act, 2004 (Act 39 of 2004) (NEM:AQA) /  National Environmental Management: Integrated Coastal Management Act, 2008 (Act 24 of 2008) (NEM:ICM) /  National Environmental Management: Waste Act, 2008 (Act 59 of 2008) (NEM:WA) (strikethrough irrelevant)				National Department o Environmental Affairs (DEA) & DEA&DP

Will the proposal require authorisation in terms of the National Water Act, 1998 (Act 36 of 1998)?	Х		National Department of Water & Sanitation (DWS)
Will the proposal trigger a listed activity in terms of the National Heritage Resources Act, 1999 (Act 25 of 1999)?	x		South African Heritage Resources Agency (SAHRA) & Heritage Western Cape (HWC)
Will the proposal have an impact on any National or Provincial roads?	X		National Department of Transport / South Africa National Roads Agency Ltd. (SANRAL) & Western Cape Department of Transport and Public Works (DT&PW)
Will the proposal trigger a listed activity in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993): Major Hazard Installations Regulations		x	National Department of Labour (DL)
Will the proposal affect any Eskom owned land and/or servitudes?		x	Eskom
Will the proposal affect any Telkom owned land and/or servitudes?		x	Telkom SA Ltd.
Will the proposal affect any Transnet/Passenger Rail Agency of South Africa owned land and/or servitudes?		x	Transnet/PRASA
Is the property subject to a land / restitution claim(s)?		x	National Department of Rural Development & Land Reform
Will the proposal require comments from South African National Parks (SANParks) and/or CapeNature?		x	SANParks / CapeNature
Is the property subject to any existing mineral rights?		x	National Department of Mineral Resources
Does the proposal lead to densification to such an extent that the number of schools, healthcare facilities, libraries, safety services, etc. In the area may be impacted on? (strikethrough irrelevant)		X	Western Cape Government Departments of Cultural Affairs & Sport, Education, Social Development, Health and Community Safety
Does the proposal require any other authorisation(s) in terms of other applicable legislation that is not listed in the subject table? If yes, specify		x	

#### SECTION D: SERVICE REQUIREMENTS

YES	NO	TO BE DETERMINED	OBTAIN  COMMENT FROM:  (list internal  department)
	X		
x			
X			
	X		
	X		
7. 012.01	X		
	х		
Access to the same	х		
	X	X X X X X X X	X  X  X  X  X  X  X  X  X  X  X  X  X

# PART D: ATTACHMENTS AND SUPPORTING INFORMATION AND DOCUMENTATION FOR LAND USE PLANNING APPLICATION

			ort West Municipality	T_			
			gned application form				ent (if applicable)
		ttorney	/ Owner's consent if applicant is	E .			ownership or any other
	owner	- United Section		relev	vant rig	int neid	in the land concerned
			proof that applicant is	S.G.	diagra	ım / Ge	neral plan extract
		tivation	on behalf of a juristic person	Site	develo	nment	plan or conceptual layout plan
44(1)1	en mo	IIVAIION					nt or permission for required
Loca	ality plo	an			itude	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	in or portrained
Prop	osed s	ubdivisi	on plan	DESCRIPTION OF THE PROPERTY OF		f the tit	e deed
1	CONTRACTOR OF THE PARTY OF THE		of application fees				plication consultation meeting
			ertificate	- 1	pplical		
Y Y	N	N/A N/A	Consolidation plan Street name and numbering plan	Y	N	N/A	Land use plan / Zoning plan
Y Y	N	N/A	plan  Landscaping / Tree plan	Y	N	N/A	1:50 / 1:100 Flood line
1	14	IN/A	Editaseaping / free pian			10,75	determination (plan / report)
Υ	N	N/A	Abutting owner's consent	Υ	N	N/A	Home Owners' Association consent
Y	N	N/A	Copy of Environmental Impact Assessment (EIA) / Heritage Impact Assessment (HIA) / Traffic Impact Assessment (TIA) / Traffic Impact Statement (TIS) / Major Hazard Impact Assessment (MHIA) / Environmental Authorisation (EA) / Record of Decision (ROD) (strikethrough irrelevant)	Y	N	N/A	Services Report or indication of all municipal services / registered servitudes
Y	N	N/A	Copy of original approval and conditions of approval	Υ	N	N/A	Proof of failure of Home owner's association
Y	N	N/A	Proof of lawful use right	Y	N	N/A	Any additional documents of information required as listed in the pre-application consultation form / minutes
				1			

Required number of

documentation copies

N

N/A

Other (specify)

N/A

#### PART E: DISCUSSION

The proposed application for a consent use on agricultural zoned land for the purpose of renewal energy facilities is correct. The application also includes the subdivision of portions of the land for the purpose of a long-term lease to be registered. The following addition information is requested in the final application.

- The applicant must clearly indicate the areas intended for the long-term lease agreement.
- Indicate if the areas applicable to the long-term lease will still be able to be used for agricultural use.
- Ensure that the proposed development complies with the development parameters as set out in the Beaufort West Municipal Standard Zoning Scheme, 2020, specifically referring to setbacks.

#### PART F: SUMMARY / WAY FORWARD

- A copy of the minutes of the meeting, complete T1 form and the proof of payment must form part of the final application to be submitted.
- All shortcomings identified in the pre-application meeting must be addressed in the final application
- Mr. A Mitchell can assist the applicant with the completion of the final application (T2 Form)
- Final application to be submitted at the Corporate Department of Beaufort West Municipality for the attention of Mr. P Strumpher.
- The final application will consist of 2 x Hard Copies and 1 x Soft Copy (CD)
- The applicant as the right to appeal if he is not in agreement with the outcome of the final application.

OFFICIAL:	Christopher Wright	PRE-APPLICANT: Wilhelm Rost	
(FULL NAMI	E)	(FULL NAME)	
SIGNED:	Muni	SIGNED:	_
DATE:	24 March 2023	DATE: 24 March 2023.	



#### BEAUFORT-WES(T) MUNISIPALITEIT // MUNICIPALITY

#### LAND USE PLANNING APPLICATION FORM (Section 15 of the By-law on Municipal Land Use Planning for Beaufort West Municipality) KINDLY NOTE: Please complete this form using BLOCK capitals and ticking the appropriate boxes. PART A: APPLICANT DETAILS Wilhelm First name(s) Rost Surname South African Council for Planners (SACPLAN) A1440/2011 registration number (if applicable) Townscape Planning Solutions Company name (if applicable) P.O. Box 20831 Noordbrug Postal Address Postal 2522 Code wilhelm@tpsplanners.co.za Email adminnw@tpsplanners.co.za Fax 086 693 9341 Cell 0826621105 Tel 0826621105 PART B: REGISTERED OWNER(S) DETAILS (If different from applicant) Registered HB VAN DER MERWE FAMILIETRUST REGISTRATION NUMBER: IT500/83 owner(s) Flat 9, Paradise View, Sedgefield Physical address Postal code Abrievandermerwe@yahoo.com E-mail 082 300 6497 Fax Cell Tel PART C: PROPERTY DETAILS (in accordance with title deed) Property DIE PLAAS 423, REGISTRATION DIVISION BEAUFORT WEST, WESTERN description [Number(s) of CAPE PROVINCE

Erf/Erven/Portion(

	or Farm(s). DIE PLAAS 423, REGISTRATION DIVISION BEAUFORT WEST, WESTERN										Į –				
allotn	allotment area.] CAPE PROVINCE														
Physic	cal Address			AAS 423 PROVIN		EGIS'	TRAT	ION	DIV	ISION B	EAUFORT WES	r, west	ERN	I	
		Latitude: 32°23'57.47"\$,													
GPS Coordinates		1000	Longilude: 22°40'15.36"E.				Town/Cily		City	BEAUFORT W	EST				
Curre	nt Zoning	Agriculture Zone 1				Exten	t	2 667 / ha		Are there existing buildings?	g	Υ	N		
The state of the state of	Applicable BEAUFORT WEST														
Zonin	g Scheme	-	•												
	nt Land Use	Agi	ricult	ure											
Title D															
numb date	er and		Γ	T10142/	2015										
11.140.0.150.050.05	estrictive	Y	N	If Yes, lis			No co	ondit	ions t	that restric	t the developmen	t			
	itions?		7.50	condition	on(s)										
1900/2010/300 SC110/A	ne restrictive itions in			If Voc lie	4 +b a		Condit	رمامه	in fo	valur of EC	KOM but they don	't offoct th			
	or of a third	Y	N	If Yes, list party(ie		<del>)</del>	Service Market			due to loc	**************************************	renecin	ie.		
party				parrytic	.31		acve	Юрп	CITIC	300 10 100	anon.				
	property				4									- 1	
	mbered by	Y	N	If Yes, lis											
a bor	nd?		bondholder(s)												
	existing unau				nd/d	or land	d use	Y	N		this application to	egalize	Y	N	
on th	e subject pro	operty	(ies)	ŝ				A	- Marie		ding / land use?	w	1 10		
Are th	nere any per	nding	ding court case(s) / order(s)							Are ther	)				
	ng to the sub							Y	N	property				N	
PART	D: PRE-APPLI	CATIC	ON C	ONSULTA	TION										
Has th	nere been a	ny pre	-apr	olication	Ţ,	1., 1	If Yes,	com	plete	the infor	mation below and	attach the	e mi	nutes	
	ultation?	30 HE:	25.45		Y	N	of the	pre-	appli	cation co	nsultation.	1			
Offici	al's name					ferenc	ce				Date of	f 24 March 2023			
					Nu	mber					consultation				
	E: LAND USE										THE BY-LAW ON M YABLE	UNICIPAL	LAN	D USE	
Tick	Section			plication								Cost			
V	2(a)	50490845	V.500 1.00	g of land;	5-0							R			
V	2(b)	155	a permanent departure from the development parameters of the						R						
	2(0)		oning scheme;												
	2/2)		a departure granted on a temporary basis to utilise land for a purpose							D					
N	2(c)	134030000000000000000000000000000000000	not permitted in terms of the primary rights of the zoning applicable to								R				
			the land; a subdivision of land that is not exempted in terms of section 24,												
2(d) a subdivision of land that is not exempted in terms of section 24, including the registration of a servitude or lease agreement;								R							
N.	2(e)										f section 24;	R			
	2(f)	a ren	novo	l, suspens							ditions in respect	P			
	-1.7	of a l	of a land unit;												

ř.	2(g)	a permission requ	ired in terms of the zoning scheme;	R			
	2(h)	an amendment, of existing approval;	deletion or imposition of conditions in respect of an	R			
	2(i)	an extension of th	ne validity period of an approval;	R			
	2(j)	an approval of an overlay zone as contemplated in the zoning scheme;					
1	2(k)	an amendment or cancellation of an approved subdivision plan or part thereof, including a general plan or diagram;					
V	2(1)	a permission required in terms of a condition of approval;					
/	2(m)	a determination of a zoning;					
V	2(n)		olic place or part thereof;	R			
V	2(0)		ntemplated in the zoning scheme;	R			
Į.	2(p)	an occasional use	e of land;	R			
V	2(q)	to disestablish a h	nomeowner's association;	R			
V	2(r)		by a homeowner's association to meet its obligations control over or maintenance of services;	R			
V	2(s)	a permission requ	rired for the reconstruction of an existing building that conforming use that is destroyed or damaged to the ecessary to demolish a substantial part of the building.	R .			
		10.	TOTAL A:	R			
PRES	CRIBED NO	TICE AND FEES** (for	completion and use by official)				
Tick		ion of application	Type of application	Cost			
V V		OF NOTICES	Delivering by hand; registered post; data messages Local Newspaper(s); Provincial Gazette; site notice; Municipality's website	R			
V	ADDITION OF NOTICE	NAL PUBLICATION CES	Site notice, public meeting, local radio station, Municipality's website, letters of consent or objection	R			
V	NOTICE	OF DECISION	Provincial Gazette	R			
V	INTEGRA	TED PROCEDURES	T.B.C	R			
	INTEGRA	TED I ROCEDORES	TOTAL B:	R			
			TOTAL APPLICATION FEES*				
			(TOTAL A + B)	R			
appl ** Th	ication fee	es must accompany nt is liable for the cos	the Municipality are non-refundable and proof of paymer an application. It of publishing and serving notice of an application.	t of the			
DAN	KING DEIA			at the late of the			
Nam	ne:			2 2			
Bank	c:						
	ch no.:						
Bran	ch no.: ount no.:						
Bran Acc		ence:					
Bran Acco <b>Payr</b> (if ap	ount no.: ment refere oplicable)	ence:					

Townscape Planning Solutions was appointed to apply for the consent use application on Die PLAAS 423, Western Cape Province (hereafter referred to as the "application property"). The client, Hoodia PV (Pty) Ltd. including (Hardeveld PV (Pty) Ltd.) (Registration number: 2021/860718/07), Rosenia PV (Pty) Ltd. including Bulskop PV (Pty) Ltd. (Rosenia PV (Pty) Ltd. - Registration number: 2021/900109/07) and Salsola PV (Pty) Ltd. (Gamka PV (Pty) Ltd. included) (Registration number: 2021/860707/07) (hereafter referred to as the "developer"/PV Facilities), wishes to utilise the property for the purpose of a Solar PV (Photovoltaic System) Energy Facility.

This application serves to apply for the consent at Beaufort West Local Municipality:

#### Consent use:

In terms of Section 15(2) read with Section 19 of Beaufort West Municipality: By-Law on Municipal Land Use Planning: To regulate and control municipal land use planning for the consent of the farm DIE PLAAS 423, REGISTRATION DIVISION BEAUFORT WEST, WESTERN CAPE PROVINCE to accommodate the proposed generating facilities on the site.

Consent to register a long-term lease and servitudes or exception thereof over the mentioned farm in favour of the clients as mentioned above, in terms of Section 15(2) read with Section 24 of the Beaufort West Municipality: By-Law on Municipal Land Use Planning: To regulate and control municipal land use planning.

PART G: ATTACHMENTS AND SUPPORTING INFORMATION AND DOCUMENTATION FOR LAND USE PLANNING APPLICATION [section 15(2)(a) to (s) of the By-Law on Municipal Land Use Planning for Beaufort West Municipality]

Complete the following checklist and attach all the information and documentation relevant to the proposal. Failure to submit all information and documentation required will result in the application being deemed incomplete. It will not be considered complete until all required information and documentation have been submitted.

Information and documentation required in terms of section 38(1) of said legislation

Y	N	Power of attorney / Owner's consent if applicant is not owner	Υ	N	Bondholder's consent (if applicable)
Y	N	Resolution or other proof that applicant is authorised to act on behalf of a juristic person	Y	N	Proof of registered ownership or any other relevant right held in the land concerned
Υ	N	Written motivation	Υ	N	S.G. diagram / General plan extract
Y	N	Locality plan	Y	N	Site development plan or conceptual layout plan
Υ	N	Proposed subdivision plan	Y	N	Proof of agreement or permission for required servitude
Y	N	Proof of payment of application fees	Y	N	Full copy of the title deed
Y	И	Conveyancer's certificate	Υ	N	Minutes of pre-application consultation meeting (if applicable)

Supporting information and documentation:

Υ	N	N/A	Consolidation plan				80
Υ	N	N/A	Street name and numbering plan	Y	N	N/A	Land use plan / Zoning plan
Υ	N	N/A	Landscaping / Tree plan	Y	N	N/A	1: 50 / 1:100 Flood line determination (plan / report)
Υ	N	N/A	Abutting owner's consent	Y	N	N/A	Homeowners' Association consent

	(B) - 1 (C) - 1 (C)	Contract Contract			104				
Υ	М	Copy of Environmental Impact Assessment (EIA) / Heritage Impact Assessment (HIA) / Traffic Impact Assessment (TIA) / N/A Traffic Impact Statement (TIS) / Major Hazard Impact Assessment (MHIA) / Environmental Authorisation (EA) / Record of Decision (ROD) (strikethrough irrelevant)		*	Y	N	N/A	Services Report or indication of all municipal services / registered servitudes	
Y	N	N/A Copy of original approval and conditions of approval			Υ	Ν	N/A	Proof of failure of Homeowner's association	
Y	N	N/A Proof of lawful use right			Y	Z	N/A	Any additional documents or information required as listed in the pre-application consultation form / minutes	
Y	N	N/A Required number of documentation copies			Υ	N	N/A	Other (specify)	
PAR	TH: AUT	HORIS	ATION(S) IN TERMS OF OTHER LEGIS	LATI	ON				
Y	N/A	(Act	onal Heritage Resources Act, 1999 25 of 1999) onal Environmental Management				Act(s	cific Environmental Management s) (SEMA) Environmental Conservation Act,	
Y	N/A	Act, 1998 (Act 107 of 1998)  Subdivision of Agricultural Land Act, 1970 (Act 70 of 1970)  Spatial Planning and Land Use Management Act, 2013 (Act 16 of 2013) (SPLUMA)					1989 (Act 73 of 1989), National Environmental Management: Air Quality Act, 2004 (Act 39 of 2004), National Environmental Integrated Coastal Management Act, 2008 (Act 24 of 2008), National Environmental		
Υ	N/A								
Y	N/A				Y	N/A			
Υ	N/A	Occupational Health and Safety Act, 1993 (Act 85 of 1993): Major Hazard Installations Regulations					of 20 Natio	agement: Waste Act, 2008 (Act 59 008), onal Water Act, 1998 (Act 36 of 1998) ethrough irrelevant)	
Υ	N/A	2014	Use Planning Act, 2014 (Act 3 of ) (LUPA)		Υ	N/A		er (specify)	
Y	N	and Commence	uired, has application for EIA / HIA uments / plans / proof of submissio			/ MHIA	appro	oval been made? If yes, attach	
Υ	N	If required, do you want to follow an integ the By-Law on Municipal Land Use Planni motivation.			ated a				
					9	.000101			

#### **SECTION I: DECLARATION**

I hereby wish to confirm the following:

- 1. That the information contained in this application form and accompanying documentation is complete and correct.
- I'm aware that it is an offense in terms of section 86(1)(e) to supply particulars, information or answers knowing the particulars, information, or answers to be false, incorrect or misleading or not believing them to be correct.
- 3. I am properly authorized to make this application on behalf of the owner and (where applicable) that a copy of the relevant power of attorney or consent are attached hereto.

Where an agent is appointed to submit this application on the owner's behalf, it is accepted that 4. correspondence from and notifications by the Municipality in terms of the by-law will be sent only to the agent and that the owner will regularly consult with the agent in this regard. That this submission includes all necessary land use planning applications required to enable the 5 development proposed herein. I confirm that the relevant title deed(s) have been read and that there are no restrictive title deed 6. restrictions, which impact on this application, or alternatively an application for removal/suspension or amendment forms part of this submission. I am aware that development charges to the Municipality in respect of the provision and installation of 7. external engineering services are payable by the applicant as a result of the proposed development. Applicant's signature: Date: 04/04/2023 Full name: Karl Wilhelm Rost Professional Planner Professional capacity: SACPLAN registration A1440/2011 number: FOR OFFICE USE ONLY Date received: Received by: **ANNEXURES** The following Annexures are attached for your Annexure A: Minimum requirements matrix

information, only if applicable:

application form.

Please do not submit these Annexures with the

Annexure B: Land use planning application submission

Annexure C: Land use planning application workflow

and protocol

# PRE-APPLICATION MEETING MINUTES



#### MUNISIPALITEIT - MUNICIPALITY / UMASIPALA-WASE BEAUFORT-WES / BEAUFORT WEST / BHOBHOFOLO

Departement van die Direkteur: Ingenieursdienste Department of the Director: Engineering Services Isebe Lomphathi Owongameleyo: Kwicandelo Lezenjineli

Verwysing

Isalathiso

12/3/2: 12/4/5/2: Farm 423

Faks / Fax 086 421 0251

Tel 023-414 8102

Navrae

Enquiries

E- pos / E mail : pa.eng@beaufortwestmun.co.za

Birdstraat 61/63 BEAUFORT- WES BEAUFORT WEST BHOBHOFOLO

Datum

Date

24 March 2023

C.B.Wright

6970

PRE APPLICATION MEETING: APPLICATION FOR CONSENT USE AND SUBDIVISION: SOSALA & GAMKA, HOODIA & HARDEVELD & ROSENIA & BULSKOP: FARM 423: BEAUFORT WEST

Present: Meeting via Teams

Mr C.B.Wright: Authorized Official Ms M.Govender Mr.W.Rost Mr G.Fourie

#### The following points were discussed as follows:

#### PURPOSE

Please note that the purpose of the pre-application input is to ensure that the application is correct and complete and not to assess the merit of the application.

#### 2. LAND USE APPLICATION: LEGISLATIVE CONTEXT

- 2.1. Application is made for:
- a) Consent Use: in accordance with Section 15(2)(o) of the Beaufort West By- Law on Municipal Land Use Planning in order to permit renewable energy structures, associated with three separate operational facilities, all located on Die Plaas No 423. Beaufort West.
- b) Subdivision: in accordance with Section 15(2)(d) of the Beaufort West By-Law on Municipal Land Use Planning in order to permit the registration of a long term lease areas over Die Plaas No 423, Beaufort West.
- 2.2. Although it is evident that the applicant intends to submit three separate applications (for three operationally separate Renewable Energy Facilities) on the same property, it is suggested that a single land use application should be submitted for the purposes of the this intended development. Notwithstanding the conceptual separation between various operational facilities for purposes of and Independent Power Providers (IPPs) application processes to other external authorities, the fact that the proposed land use for all three facilities are identical, submitted simultaneously and located on one property, negates the need for three separate applications and places an unwarranted burden on the associated administrative process, without justification of the requirement therefore.

- 2.3. The application should therefore clearly identify the area(s) which will form part of the intended long term lease and/or amend the application accordingly.
- 2.4. It should further be noted that approval for the consent use (if given) will not be a permanent right but will be given for the duration/life span of the facility. Any renewable energy structure and associated infrastructure that has reached the end of its productive life or has been abandoned, including buildings, cables, and roads, must be removed by the owner. A renewable energy structure is considered abandoned when the structure fails to continuously operate for more than two years.

#### 3. AGRICULTURE

3.1. The motivation report contains a Site Sensitivity Verification and Agricultural Compliance Statement (Annexure J) which indicates that the subject property is within a general grazing area, while Section 3.9. of the motivational memorandums also states that the property is "...utilized for some low-impact agricultural (grazing) purposes." More information would need to be provided regarding the historical agricultural practices, specifically on the portions where the Solar PV Facilities are proposed. The reason being, that a land development that utilizes an area of five hectares or more of agricultural land that has been cultivated or irrigated during the 10-year period immediately preceding the proposed land development that involves urban development, will trigger a provincial land use application in terms of section 53 of LUPA (Land Use Planning Act, Act 3 of 2014, read together with section 10 of the LUPA regulations). On face value the proposed development does not appear to require a provincial land use application, however it must be verified in the motivation report.

#### 4. ENVIRONMENTAL AUTHORISATION

4.1. Section 6 of the motivational memorandum references the Basic Assessment Report (and associated specialist studies) and indicate that an Environmental Authorization was expected by July 2022 already. If the Environmental Authorization has been issued, the application should include an overview/summary of the outcome of the final environmental authorization (including any amendments) which has an impact on the planning application, i.e. the extent or position thereof, within the motivational memorandum.

#### 5. DEVELOPMENT PARAMETERS AND SITE DEVELOPMENT PLAN

- 5.1. The application, including the site development plan should clearly illustrated compliance with all the development parameters relating to "renewable energy structure" as contained within Schedule 2 of the Beaufort West Municipal Standards Zoning Scheme By-law, 2020, specifically referring to setbacks.
- 5.2. Although the Site Development Plan (included within the application) may be considered as a general illustration of the intended development, the municipality will only be in a position to determine the final elements which should be incorporated within the Site Development Plan (as contemplated in Section 23(2) of Beaufort West Municipal Standard Zoning Scheme By-Law, 2020), after its assessment of the application.

5.3. In terms of Section 23(5) of the Beaufort West Municipal Standard Zoning Scheme By-Law, 2020, the detailed Site development plan, complying with such measures as may be required by the municipality (ito. Section 23(2)), will need to be submitted to- and approved by the municipality prior to commencement of any development on the relevant land unit.

#### 6. PUBLIC PARTICIPATION

Apart from comments already included within the draft application, during the 6.1. public participation process comment must be obtained from:

Western Cape Department of Transport and Public Works (DT&PW), a)

Department of Environmental Affairs and Development Planning for provincial b) planning comment in terms of section 45 of LUPA,

The National Department of Agriculture, Land Reform and Rural Development, C)

Civil Aviation Authority. d)

#### The cost of the application is as follows:

: R 2 187.00 Consent Use : R 2 187.00 Subdivision :R 2 924.00 Advertisment Cost: Municipality Advertisement Cost: Provincial Newpaper : R 1 463.00 R 8761.00 Total Cost of the application

#### Beaufort West Banking Details:

Bank

: Nedbank

Account Holder : Beaufort West Municipality

Account Number : 10742 80318 Type of Account: Current Account

Branch Code : 198765

Reference

Farm 423: Beaufort West

#### Mr Wright explains the way forward:

- A copy of the minutes, proof of payment and all relevant information must be attached to the application.
- The final application can be obtained from Mr Mitchell. Mr Mitchell can also assist upon completion of the final application.
- The final application must be submitted to the Senior Manager: Administration: Mr. P.Strumpher.

#### Address:

112 Donkin Street Mid Town **BEAUFORT WEST** 6970

- The final application must be completed and signed by the owner.
- When the final application is submitted, 2 hard copies as well as a complete electronic copy on CD are required.
- Application will be advertised for a period of 8 weeks for any objections.
- If there are any objections, the applicant may appeal.
- Applicant can then send his appeal application to the Municipal Manager.

Meeting adjourned.

C.B.WRIGHT AUTHORIZED OFFICIAL /mg

Y;\Engineering\\NGENIEURS\\12\_Dorpsbeplanning en Beheer\\12-3\_Dorpsaanlegskema\\\12-3-2 Vergunningsgebruik\_Afwykings\\\2023\\03.Maart \\2023\\03.Maart \\\2023\\03.Maart \\2023\\03.Maart \\2023\

Y:\Engineering\\NGENIEURS\\12\_Dorpsbeplanning en Beheer\\12-4\_Beheer oor Dorpsgebiede\\12-4-5-2 Onderverdelings\_Konsolidasies\\2023\\03.Maart 2023\\03.Maart 2023\\03.Maart

#### ATTENDANCE REGISTER



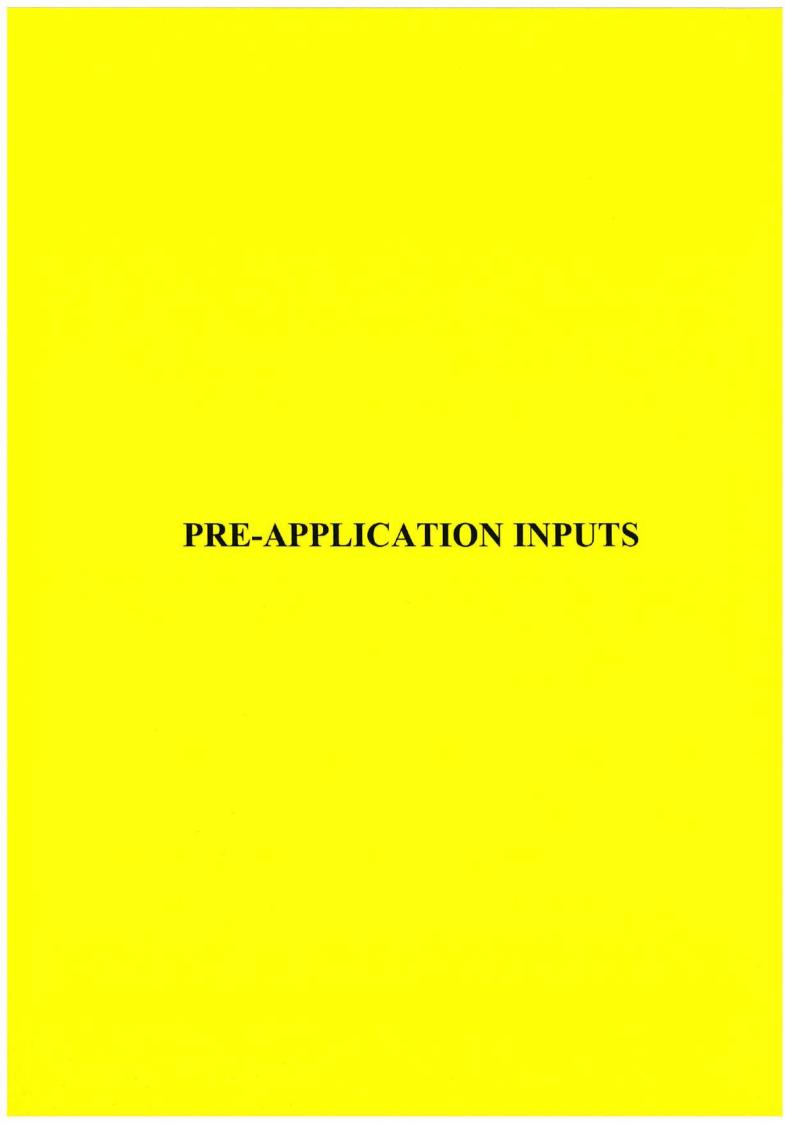
# ATTENDANCE REGISTER

PRE-APPLICATION MEETING: APPLICATION FOR CONSENT USE AND SUBDIVISION:

SOSALA & GAMKA, HOODIA & HARDEVELD & ROSENIA & BULSKOP: FARM 423: BEAUFORT WEST 24 MARCH 2023

NAME AND SURNAME	OFFICIAL/APPLICANT	SIGNATURE
Mr C.B.Wright	AURTHORIZED OFFICIAL	
Ms M.Govender	PERSONAL ASSISTANT	PU DE
Mr. W.Rost	APPLICANT/ ON BEHALF OF APPLICANT	*
Mr. G.Fourie	APPLICANT/ ON BEHALF OF APPLICANT	





# PRE-APPLICATION INPUT: THREE RENEWABLE ENERGY FACILITIES: SOSALA & GAMKA, HOODIA & HARDEVELD, AS WELL AS ROSENIA & BULSKOP : BEAUFORT WEST MUNICIPAL AREA

#### 1. PURPOSE

Please note that the purpose of the pre-application input is to ensure that the application is correct and complete and not to assess the merit of the application.

#### 2. LAND USE APPLICATION: LEGISLATIVE CONTEXT

- 2.1. Application is made for:
- a) Consent Use: in accordance with Section 15(2)(o) of the Beaufort West By- Law on Municipal Land Use Planning in order to permit renewable energy structures, associated with three separate operational facilities, all located on Die Plaas No 423, Beaufort West.
- b) **Subdivision**: in accordance with Section 15(2)(d) of the Beaufort West By-Law on Municipal Land Use Planning in order to permit the registration of a long term lease areas over Die Plaas No 423, Beaufort West.
- 2.2. Although it is evident that the applicant intends to submit three separate applications (for three operationally separate Renewable Energy Facilities) on the same property, it is suggested that a single land use application should be submitted for the purposes of the this intended development. Notwithstanding the conceptual separation between various operational facilities for purposes of and Independent Power Providers (IPPs) application processes to other external authorities, the fact that the proposed land use for all three facilities are identical, submitted simultaneously and located on one property, negates the need for three separate applications and places an unwarranted burden on the associated administrative process, without justification of the requirement therefor.
- 2.3. It should be noted where a long term lease is intended over an entire farm and in accordance with its current registered boundaries, an application for subdivision (for lease purposes) is not required. The application should therefore clearly identify the area(s) which will form part of the intended long term lease and/or amend the application accordingly.

2.4. It should further be noted that approval for the consent use (if given) will not be a permanent right but will be given for the duration/life span of the facility. Any renewable energy structure and associated infrastructure that has reached the end of its productive life or has been abandoned, including buildings, cables, and roads, must be removed by the owner. A renewable energy structure is considered abandoned when the structure fails to continuously operate for more than two years.

#### 3. AGRICULTURE

The motivation report contains a Site Sensitivity Verification and Agricultural 3.1. Compliance Statement (Annexure J) which indicates that the subject property is within a general grazing area, while Section 3.9. of the motivational memorandums also states that the property is "...utilised for some low-impact agricultural (grazing) purposes." More information would need to be provided regarding the historical agricultural practices, specifically on the portions where the Solar PV Facilities are proposed. The reason being, that a land development that utilises an area of five hectares or more of agricultural land that has been cultivated or irrigated during the 10-year period immediately preceding the proposed land development that involves urban development, will trigger a provincial land use application in terms of section 53 of LUPA (Land Use Planning Act, Act 3 of 2014, read together with section 10 of the LUPA regulations). On face value the proposed development does not appear to require a provincial land use application, however it must be verified in the motivation report.

#### 4. ENVIRONMENTAL AUTHORISATION

4.1. Section 6 of the motivational memorandum references the Basic Assessment Report (and associated specialist studies) and indicate that an Environmental Authorisation was expected by July 2022 already. If the Environmental Authorisation has been issued, the application should include an overview/summary of the outcome of the final environmental authorization (including any amendments) which has an impact on the planning application, i.e. the extent or position thereof, within the motivational memorandum.

5. DEVELOPMENT PARAMETERS AND SITE DEVELOPMENT PLAN

The application, including the site development plan should clearly illustrated 5.1.

compliance with all the development parameters relating to "renewable

energy structure" as contained within Schedule 2 of the Beaufort West

Municipal Standards Zoning Scheme By-law, 2020.

Although the Site Development Plan (included within the application) may 5.2.

be considered as a general illustration of the intended development, the

municipality will only be in a position to determine the final elements which

should be incorporated within the Site Development Plan (as contemplated

in Section 23(2) of Beaufort West Municipal Standard Zoning Scheme By-Law,

2020), after its assessment of the application.

In terms of Section 23(5) of the Beaufort West Municipal Standard Zoning 5.3.

Scheme By-Law, 2020, the detailed Site development plan, complying with

such measures as may be required by the municipality (ito. Section 23(2)), will

need to be submitted to- and approved by the municipality prior to

commencement of any development on the relevant land unit.

6. PUBLIC PARTICIPATION

Apart from comments already included within the draft application, during 6.1.

the public participation process comment must be obtained from:

a) Western Cape Department of Transport and Public Works (DT&PW),

b) Department of Environmental Affairs and Development Planning for provincial

planning comment in terms of section 45 of LUPA,

c) The National Department of Agriculture, Land Reform and Rural Development,

and

a) Civil Aviation Authority.

Riaan Thomson Pr. Pln. (A/023/2007)

Chief Town and Regional Planner

Datum: 6 March 2023

### **ANNEXURE B:**

# POWER OF ATTORNEY & TRUST RESOLUTIONS

#### POWER OF ATTORNEY

1, the undersigned,

Abraham Stephanus van der Merwe

ID NR: 620505 5122038

Being duly nominated by:

HB VAN DER MERWE HAMILIETRUST (REGISTRATION NUMBER: IT500/83)

According to the Written Resolution passed by the Trustees of held at Regulert West on the

Being the registered owners of:

DIE PLAAS NR.423 In die Munisipalteit en Afdeling van Beaufort-Wes Province Western Cape (hereafter referred to as "the Property")

do hereby nominate, constitute, appoint, and authorise:

TOWNSCAPE PLANNING SOLUTIONS CC REGISTRATION NUMBER CK 2000/045930/23 REPRESENTED BY K.W. ROST, ID NUMBER: 760721 5043 08 9

with power of Substitution, to be my/our lawful Town and Regional Planner and to represent me/us as and how Townscape Planning Solutions CC (Reg nr: 2000/045930/23), in their discretion, deems fit, to lodge an application for:

- the SPECIAL CONSENT on Die Plaas Nr 423 in die Munisipalteit en Afdeling van Beaufort-Wes Province Western Cape, to accommodate a "Renewable Energy Structure" in terms of the relevant sections of the relevant municipal By-Law and the Western Cape Land Use Planning Act, 2014 (Act 3 of 2014).
- the REMOVAL RESTRICTIVE TITLE DEED CONDITIONS on Die Plaas Nr 423 in die Munisipalteit en Afdeling van Beaufort-Wes Province Western Cape in terms of the relevant sections of the relevant municipal By-Law and the Western Cape Land Use Planning Act, 2014 (Act 3 of 2014).
- And apply for a LONG TERM LEASE AGREEMENT over Die Plaas Nr 423 in die Munisipalteit en Afdeling van Beaufort-Wes Province Western Cape, in terms of the Subdivision of Agricultural Land Act (Act 70 of 1970) as well as, the relevant sections of relevant municipal By-Law and the Western Cape Land Use Planning Act, 2014 (Act 3 of 2014)

to lodge an appeal against the decision of the authorised Local Authority If required in this regard and generally for effecting the purposes aforesaid, to do or cause to be done whatsoever shall be required as fully and effectually, for all intents and purposes, as I might or could do if I could personally present and acting herein, hereby ratifying, allowing and confirming and promising and agreeing to ratify, allow and confirm all and whatsoever Townscape Planning Solutions CC (Reg Nr 2000/045930/23) shall lawfully do, or cause to be done, in order to effect the aforesaid SPECIAL CONSENT application on the Property, including but not limited to make and sign the relevant applications to the appropriate government departments, provincial, local or other competent authority for all licences, permissions, rezoning and consents required by any act of parliament, provincial ordinance, municipal bylaw, order regulation or otherwise in connection with the application to the Property, also including the withdrawal

1 | Pag

of the application, should this be deemed necessary by the said Townscape Planning Solutions CC (Reg Nr 2000/045930/23) by virtue of these present.

Signed at Repulart West , ,	his 20th day of April 2022, in the presence of the	ne
undersigned Witnesses:		
SIGNED: AE	AS WITNESSES:	
Name:	Name: A DOUSON =	
10: 620505 5122 098	1D: 7602040067080	
	Name: M- KoCh	
	m. 7607090117081	



### DEPARTEMENT VAN JUSTISIE EN KONSTITUSIONELE ONTWIKKELING REPUBLIEK VAN SUID-AFRIKA

### **MEESTERSERTIFIKAAT**

### H B VAN DER MERWE FAMILIETRUST

T500/83

Nademaal

HUBERTUS BRUYN VAN DER MERWE

oorlede is, word

ANTON GEORG VORSTER (Identiteitsnommer: 690112 5005 08 5),

ABRAHAM STEPHANUS VAN DER MERWE (Identiteitsnommer: 620505 5122 08 8) en

JACOBUS JOHANNES GIDEON VAN DER MERWE (Identiteitsnommer: 610430 5097 08 5)

hiermee gemagtig om as Truslees op te tree tesame met

MADELEINE HELMIEN VAN DER MERWE

in die bogemelde trust.

ASST. MEESTER VAN DIE WES-KAAPSE HOË HOF, KAAPSTAD

MEESTERSKANTOOR KAAPSTAD /ek MASTER OF THE HIGH COURT
CAPE TOWN

2014 -05- 26

KAAPSTAD
MEESTER VAN DIE 1... 23...

### TRUST RESOLUTION

We/I. the undersigned

NAME: Anton Georg Vorster

ID :690112 5005 085

NAME: Abraham Stephanus van der Menwe

ID.: \$20505 5122 088

NAME: Jacobus Johannes Gideon van der Merwe

ID.: 620430 5079 085

In our capacity as current Trustee(s) of HB VAN DER MERWE HAMILIETRUST (REGISTRATION NUMBER: 17500/23) (hereinafter referred to as "the Trust") and duly authorised, which in turn is the registered owner of:

DIE PLAAS NR.423 In die Munisipalteit en Afdeling van Beaufort-Wes Province Western Cape (hereafter referred to as "the Property")

do hereby decide and resolve, to herewith nominate, constitute, appoint and authorise:

TOWNSCAPE PLANNING SOLUTIONS CC REGISTRATION NUMBER CK 2000/045930/23 REPRESENTED BY K.W. ROST, ID NUMBER: 760721 5043 08 9

with power of substitution, to be the Trust's lawful Town and Regional Planner and agent, and to represent the Trust as and how Townscape Planning Solutions CC (Reg Nr: 2000/045930/23), in their discretion, deems fit, to lodge an application for:

1. the SPECIAL CONSENT on Die Plaas Nr 423 in die Munisipalteit en Afdeling van Beaufort-Wes Province Western Cape, to accommodate a "Renewable Energy Structure" in terms of the relevant sections of the relevant municipal By-Law and the Western Cape Land Use Planning Act, 2014 (Act 3 of 2014).

2. the REMOVAL RESTRICTIVE TITLE DEED CONDITIONS on Die Plaas Nr 423 in die Munisipalteit en Afdeling van Beaufort-Wes Province Western Cape in terms of the relevant sections of the relevant municipal By-Law and the Western Cape Land Use Planning Act, 2014 (Act 3 of 2014).

3. And apply for a LONG TERM LEASE AGREEMENT over Die Plaas Nr 423 in die Munisipalteit en Afdeling van Beaufort-Wes Province Western Cape, in terms of the Subdivision of Agricultural Land Act (Act 70 of 1970) as well as, the relevant sections of relevant municipal By-Law and the Western Cape Land Use Planning Act, 2014 (Act 3 of 2014)

to lodge an appeal against the decision of the authorised Local Authority if required in this regard and generally for effecting the purposes aforesaid, to do or cause to be done whatsoever shall be required as fully and effectually, for all intents and purposes, as I might or could do if I could personally present and acting herein, hereby ratifying, allowing and confirming and promising and agreeing to ratify, allow and confirm all and whatsoever Townscape Planning Solutions CC (Reg Nr 2000/045930/23) shall lawfully do, or cause to be done, in order to effect the aforesaid SPECIAL CONSENT application on the Property, including but not limited to make

1 / month

and sign the relevant applications to the appropriate government departments, provincial, local or other competent authority for all licences, permissions, rezoning and consents required by any act of parliament, provincial ordinance, municipal by-law, order regulation or otherwise in connection with the application to the Property, also including the withdrawal of the application, should this be deemed necessary by the said Townscape Planning Solutions CC (Reg Nr 2000/045930/23) by virtue of these present.

We, the said Trustees of the Trust hereby confirm that we are authorised to provide Townscape Planning Solutions CC (registration number 2000/045930/23) with the instructions and power of attorney to represent the Trust herein in order to effect the necessary as indicated in paragraph 1 to 3 above.

That Name: Above verde Mewe ID No.; 6205055122068 in his capacity as
Trustee be authorised and instructed, with power of delegation, to sign the required Power
of Attorney, authorising Messers Townscape Planning Solutions CC and its said members to
lodge the application as resolved in paragraph 1 above and all other documents required
and do all things necessary to give effect to these resolutions.

Signed at Beaufart West this 20th day of April 2022, in the presence of the undersigned Witnesses:

SIGNED:

NAME: Anton Georg Vorster

ID.:690112 5005 085

NAME: Abraham Stephanus van der Merwe

ID.: 620505 5122 088

NAME: Jacobus Johannes Gideon van der Merwe

ID.: 610430 5079 085

AS WHTNESSES:

NAME: A DALISON

ID: 760204006+080

NAME: M. KOCH

ID: 7607090117081

# ANNEXURE C:

TITLE DEED

Opgestel deur my,

TRANSPORTBESORGER

CRAWFORDS Donkinstraat 36 BEAUFORT-WES 6970

Docex 1, BEAUFORT-WES

atgamasioners asi

noudmaxe

teason for

The pass

o J.i Igiraskā

T 000010142/2015

### **TRANSPORT**

HIERMEE WORD BEKEND GEMAAK

DAT JANINE FOUCHE

voor my die REGISTRATEUR VAN AKTES verskyn het te KAAPSTAD, die genoemde Komparant synde behoorlik daartoe gemagtig deur 'n Volmag aan hom/haar verleen

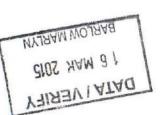
DATA / CAPTURE
1 2 MAR 2015
MATHEN

Die Eksekuteur in die Boedel van Wyle HUBERTUS BRUYN VAN DER MERWE Boedelnommer 3749/2013

gedateer 26 Januarie 2015

en geteken te BEAUFORI-WES

LegalSuite (Version 4.3717)
DeedOffransferConventional A doc



vermelde transportnemer op die hierna vermelde elendom geregtig is, onderhewig aan Merwe, Boedelnommer 3749/2013, wie oorlede is op 14 Februarie 2013, die hierna 12 Oktober 2012 en Kodisil gedateer Januarie 2013 van wyle Hubertus Bruyn van der En genoemde Komparant het verklaar dat nademaal kragtens die testament gedateer

sedeer en transporteer aan en ten gunste van EN DAT hy, in sy voorgenoemde hoedanigheid hierby in volkome en vrye eiendom testamentêre voorwaarde;

### Registrasienommer IT500/83 TRUSTELLETRUST HB VAN DER MERWE FAMILIETRUST

hul erfgename, eksekuteurs, administrateurs of regverkrygendes in volkome en vrye

eiendom:

### PROVINSIE WES-KAAP IN DIE MUNISIPALITEIT EN AFDELING VAN BEAUFORT-WES DIE PLAAS NR. 423

### NUL DRIE SEWE VIER) HEKTAAR GROOT: 2667,0374 (TWEE DUISEND SES HONDERD SEWE EN SESTIG KOMMA

Transportakte Nr. T73358/2008. met Diagram Nr. LG 2550/1998 wat daarop betrekking het en gehou kragtens AANVANKLIK geregistreer kragtens Serlifikaat van Verenigde Titel Nr. T 39607/2000

- WAT BETREF die figuur A B a op diagram LG nr. 2550/1998.
- T13307/1919. ONDERHEWIG aan die voorwaardes waarna verwys word in Transportakte Nr.
- 1973 endosseer is op Transportakte Nr. T19025/1956 welke endossement as ONDERHEWIG VERDER aan die serwituut verwysing waarna op 2 Oktober .8

appear on reference to Notarial Deed, grosse whereof is hereto annexed. conveyed together with ancillary rights and subject to conditions as will more fully Electricity Supply Commission to convey electricity over the property hereby By Notarial Deed No. 500/1973 dd 11-9-73 the right has been granted to

Nommer 24 van 2003 nie. T73358/2008 kragtens Artikel 53 van die Wysigingswet op die Registrasie van Myntitels NIE ONDERHEWIG aan Voorwaarde I. C op Bladsy 2 van Transportakte Nr.

slati	tnyM nev eizent	Regis	əib	do Jawa	struit	)is\W	aib nav 66	Artikel 5	shells kradlens	<b>T733</b>
Nr.	Transportakte	van	7	Bladsy	do	J.D	oorwaarde	oV nss	ONDERHEWIG	NIE

Nommer 24 van 2003 nie.

.1

D.

	volledig sal blyk uit die gesegde Akte (en Kaart) afskrif wat daaraan geheg is.
	tesame met bykomende regte en onderhewig aan voorwaardes soos meer
	onderhewig aan die reg ten gunste van Eskom om elektrisiteit daaroor te lei,
.=	KRAGTENS Notariële Akte Nr. K313/1981S is die binnegennelde eiendom

- F. KRAGTENS Notariële Akte van Omskrywing van Serwituut Nr. K1127/89 is die serwituut vervat in K500/1973S en K313/1981S nou gewysig om die presiese roete te bepaal soos meer volledig sal blyk uit gesegde Notariële Akte met Kaarte nrs. 4311/87 en 4312/1987 daarby aangehegte Kaart LG Nr. 2550/1998 en die lyn b c op aangehegte Kaart LG Nr. 2550/1998 stel onderskeidelik die hartlyne van die gemelde serwitute voor.
- G. KRACTENS Notariële Akte van Serwituut Nr. K1082/96S is die binnegemelde eiendom onderhewig aan 'n kraglynserwituut met bykomende regte ten gunste van Eskom.
- ONDERHEWIG VERDER aan die volgende voorwaarde soos vervat in Transportakte Nr. T39606/2000, opgelê deur die Minister van Vervoer tydens goedkeuring van die onderverdeling naamlik:

"Geen bykomende toegange mag geskep word sonder die toestemming van die Hoofdirektoraat van Vervoer nie."

- II. MAT BETREF die figuur a B G H op diagram LG Nr. 2550/1998.
- A. ONDERHEWIG aan die voorwaardes waarna verwys word in Transportakte Nr. T551/1915.

NIE ONDERHEWIG aan Voorwaarde II.C op Bladsy 3 van Transportakte Nr. T73358/2008 kragtens Artikel 53 van die Wysigingswet op die Registrasie van Myntitels Nommer 24 van 2003 nie.

- III. WAT BETREF die figuur B C D E F op Diagram LG Nr. 2250/1998.
- A. CNDERHEWIG aan die voorwaardes waarna verwys word in Transportakte Nr. T7103/1927.
- B. ONDERHEWIG VERDER aan en GEREGTIG op die voordeel van die speslale voorwaardes nrs. I, II, IV, V en VI genoem in Transportakte Mr. T550/1915, Mr. I waarvan betrekking het op sekere dam, fontein en water in die algemeen met reg op toegang en diens of onderhoud en reparasies, nr. V waarvan betrekking het op sekere verdelinge heining en diens of onderhoud, en nrs. II, IV en VI waarvan as volg lees:-

3440



C.

"II. I hat the said Johannes Christian Truter and his successors shall have a right of way from his house to the main road, and access to the fountain and flood water in the Gamka River.

IV. That neither owner nor his successors in title shall sink any borehole or well within 188,91 metres of the fountain above the present homestead of D.W. Truter.

VI. That no weir shall be built across the Gamka River above the existing weir, by either party or his successors in title.

Nommer 24 van 2003 nie.

WAT BETREF die geheel van die eiendom:

ONDERHEWIG VERDER aan klousule 5 van die gemelde testament gedateer 12 Oktober 2012 met Kodisil gedateer Januarie 2013 van wyle Hubertus Bruyn van der Merwe, Boedelnommer 3749/2013, naamlik:

T73358/2008 kragtens Artikel 53 van die Wysigingswet op die Registrasie van Myntitels

NIE ONDERHEWIG aan Voorwaarde III. C op Bladsy 3 van Transportakte Nr.

"5. Dis is 'n uitdruklike voorwaarde van hierdie Testament dat enige erfenis of bemaking wat enige erfgenaam kragtens hierdie Testament mag ontvang sowel as die opbrengs daarvan, uitgesluit sal wees van die Regsgevolge van die bestaande of toekomstige huwelik binne gemeenskap van goed of wat onderhewig is aan die aanwasbedeling. So 'n erfgenaam moet te alle tye oor die vrye, volkome en uitsluitlike beskikkingsreg en kontrole van die bates beskik wat hy/sy kragtens nietdie Testament as erflating mag ontvang."

Ctrte.A noistaV) etialEegaJ cob.A\_lenoitnevnoOrafanstTiObaaQ



WESHALWE die Komparant afstand doen van al die reg en titel wat die gesegde BOEDEL WYLE HUBERTUS BRUYN VAN DER MERWE (Boedelnommer 3749/2013) voorheen in die genoemde eiendom gehad het en gevolglik ook erken dat dit geheel en al uit die besit daarvan onthef is en nie meer daartoe geregtig is en dat kragtens hierdie akte, die genoemde

### HB VAN DER MERWE FAMILIETRUST Registrasienommer IT500/83

hul erfgename, eksekuteurs, administrateurs of regverkrygendes tans en voortaan daartoe geregtig is, ooreenkomstig plaaslike gebruik, behoudens die Regte van die Staat en bevestig dat die waarde van die eiendom vir boedelbelastingdoeleindes die bedrag van Grant RAND) is.

TEN BEWYSE WAARVAN EK, die genoemde Registrateur van Aktes, tesame met die Komparant hierdie Akte onderteken en dit met die Ampseël bekragtig het.

ALDUS GEDOEN EN VERLY op die kantoor van die REGISTRATEUR VAN AKTES te

**KAAPSTAD** op

O 4 MAR 2015

q.q. Handtekening van komparant

Registrateur van Aktes

In my teenwoordigheid

LegalSuite (Version 4.3717)
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CRAWFORDS

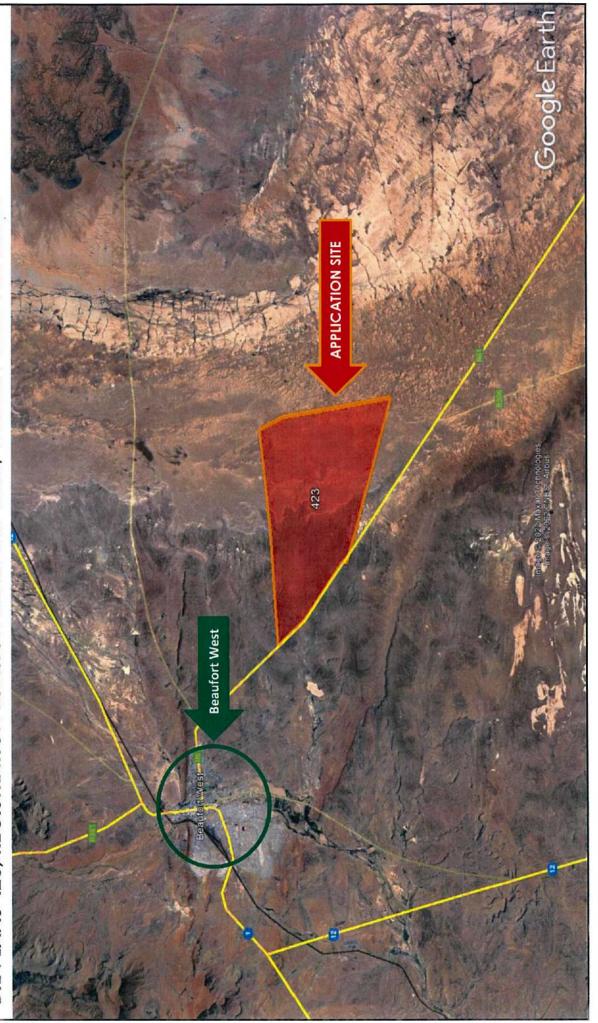
# ANNEXURE D:

# LOCALITY PLAN

# LOCAL LOCALITY MAP

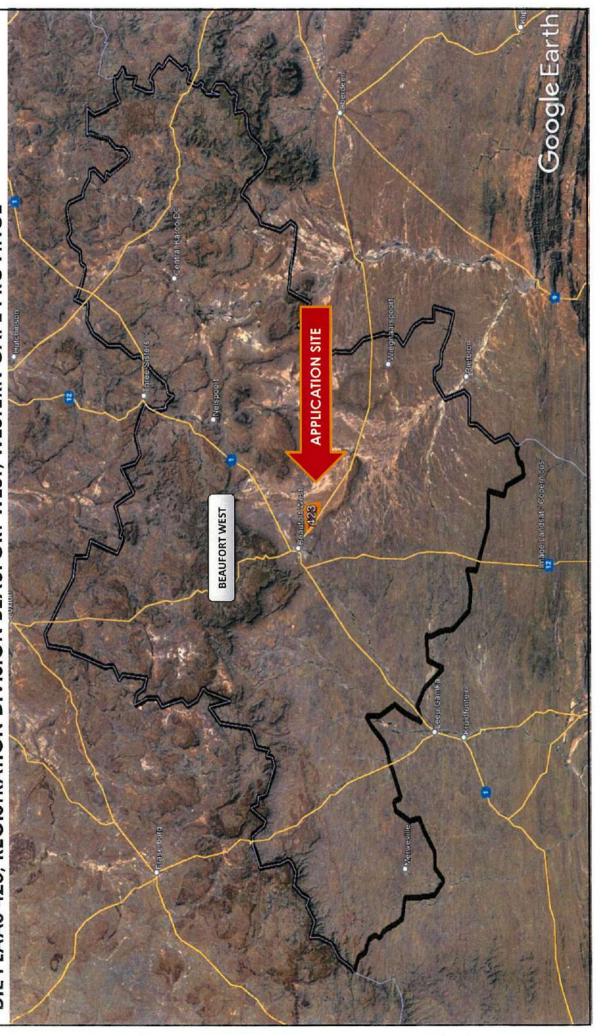
Townscape Planning Solutions

DIE PLAAS 423, REGISTRATION DIVISION BEAUFORT WEST, WESTERN CAPE PROVINCE



# REGIONAL LOCALITY MAP Townscape Planning Solutions

DIE PLAAS 423, REGISTRATION DIVISION BEAUFORT WEST, WESTERN CAPE PROVINCE



# ANNEXURE E:

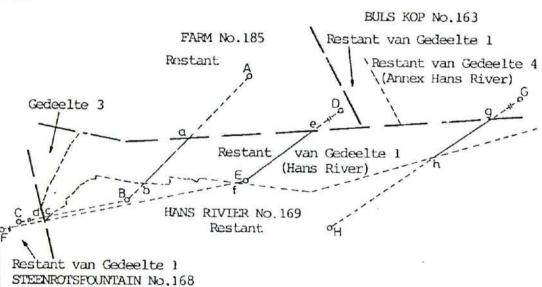
SG DIAGRAM

SERWITUUTKAART

	SYE Meter	RIGTINGS- HOEKE		Y	KOÖRD Stelsel	NATE Lo 23° X	LGNo.
		Konstar	ite	±	0,00	+3 500 000,00	4312-87
AB	3 617,32	43.53.45	Α	1+ 36	338,71	+ 82 836,01	Goedgekeur
EC	4 190,73	77.50.30	В		846,77	+ 85 442,66	Goecgekeur
			C	+ 42	943,50	+ 86 325,28	1
DE	26 592,72	52.47.17	D	+ 15	223,07	+ 68 926,12	Al Carry
EF.	7 613,81	17.49.25	E		401,64	+ 85 008,43	7
			F	+ 43	844,16	+ 86 614,36	nms. Landmeter-
GH	22 613,09	55.31.48	G		000,49	+ 73 187,55	generaal
1			H	+ 34	643,24	+ 85 985,98	
	Steenrotsfor	CONTRACTOR OF CONTRACTOR CONTRACT	Δ		323,11	+ 84 121,72	1987-08-05
PEG	Bleakhouse	(8)	Δ	+ 15	523,55	+ 74 981,70	1

BESKRYWING VAN BAKENS

A,B,F,H 20mm Ystermen by basis van kragtoring 25mm Ysterpen en klipstapel by basis van kragtoring D,E,G 20mm Ysterpen en klipstapel by basis van kragtoring Die omvang en wydte van die Serwitute is 23,5 meters aan albei kante van die lyne eFf en gh en 20,0 meters aan albei kante van die lyne ab en cd



STEENROTSFOUNTAIN No.168

Skaal:-1:75 000

Die lyne ab, cd en eEf en gh

stel voor die hartlyne van 'a Serwituate van Elektriese Kragleidings

Restant van Gedeelte 1 (Hans River) van die plaas

HANS RIVIER No. 169

geleë in die Administratiewe Distrik BEAUFORT WEST Provinsie KAAP OT Opgemeet in Februarie 1986 deur my

A.W.Reynolds

		Landmeter
Hierdie kaart is geheg aan Akte van Serwituut No. gedateer 1 2 2 2 3 1.g.v.  EVKOM 1989 -11-30	Die oorspronklike Kaart is No. 1316/1914 Transport/Grondbrief No. 1915-9-549	Leer BFT. W. MF. M.S. No. E 741/87 Komp. No. CL-4CA(4586)

Registrateur van Aktes

Alg. Plan



VA	A 17-		531 3953		
NA	NTC	OR	AF	SK	RIE

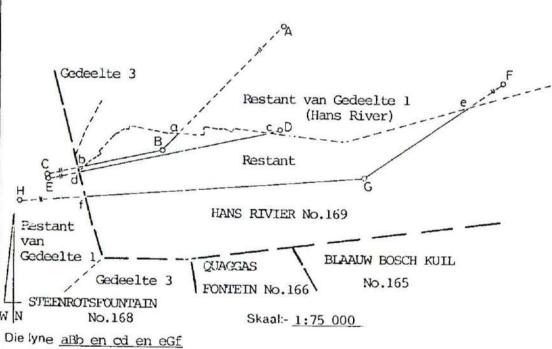
	SYE Meter	RIGTINGS- HOEKE		KOÖR Y Stelsel	Lo 23° X	L.G.No.
		Konstan	ite	± 0,00	+3 500 000,00	4311-87
AB BC	3 617,32 4 190,73	43.53.45 77.50.30	A B	+ 36 338,71 + 38 846,77	+ 82 836,01 + 85 442,66	Goedgekeur
DE	7 613,81	77.49.25	C D	+ 42 943,50 + 36 401,64	+ 86 325,28 + 85 008,43	AR Care,
FG GH	22 613,09 9 197,03	55.31.48 85.40.20	E F	+ 43 844,16 + 16 000,49 + 34 643,24	+ 86 614,36 1 73 187,55 + 85 985,98	nms. Landmeter-
	Steenrotsfon Bleakhouse	tein (153)	H	+ 43 814,05 + 42 323,11 + 15 523,55	+ 86 680,02 + 84 121,72 + 74 981,70	1987-08-05

BESKRYWING VAN BAKENS

A,B,E,G,H 20mm Ysterpen by basis van kragtoring

C 25mm Ysterpen en klipstapel by basis van kragtoring D,F 20mm Ystren en klipstapel by basis van kragtoring Die omvang en wydte van die Serwitute is 23,5 meters aan albei kante D,F van die lyne cd en eGf en 20,0 meters aan albei kante van die lyne aBb





stel voor die hartlyne van > Serwitute

van Elektriese Kragleidings

Restant van die plaas HANS RIVIER No.169

geleë in die Administratiewe Distrik BEAUFORT WEST Provinsie KAAP D Opgemeetin <u>Februarie 1986</u> deur my A.W.Reynolds

Landmeter

			Landineter
Hierdie kaart is geheg aan	/	e oorspronklike Kaart is	Leer BFT.W. MF.
Akle van Serwituut K.	No. 1127/89 No	200/1914	M.S. No. E 741/87
gedateer	l.g.v.	ansport/Grondbrief ert.van Geregist.	Komp. No.
EVKOM	No	Titel 1914-29-1781	CL-4CA(4586), CL-4(4583)
Registrateur	var Aktos		Alg. Plan

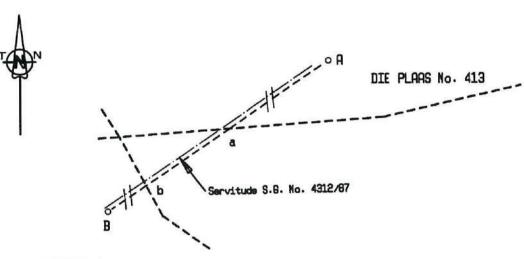
### SERVITUDE DIAGRAM

	SIDES Metres	ANGLES OF DIRECTION		CO-ORDIN Y System :		S.G. No.
AB	22887,91	Constants 55 31 51	: А В	0,00 + 15 802,82 + 34 672,27	+3 000 000,00 + 573 388,58 + 586 342,34	Approved  Acadogu
	STOLTZHOEK UPPER PLATI	81 000RNS 87	<b>A</b>	+ 46 028,46 + 22 758,67	+ 582 034,50 + 583 096,77	for SURVEYOR- GENERAL 4-12-200

### BEACON DESCRIPTIONS

A,B:

16mm Iron peg



PORTION 4 HANS RIVIER No. 169

SCALE 1 / 50 000

The Line

represents the centre line of a Electric Power Transmission Servitude 55,00 metres wide over

the Farm

DIE PLAAS No. 423

Administrative District :

BEAUFORT WEST

Province : Western Cape

Surveyed in April 2007 by me

(H.T. NDHLOUU) (PLS 1058) Professional Land Surveyor

This diagram is annexed to Deed of Servitude

The original diagram is S.G. No. 2550/1998

Tranefer Crant

C.C.T No. 2000--39607 File Bft.w. 423 V.1 S.R. No. E2796/2007 LPI C0090000 Comp. CL-4 (4583)

6624/2007

EXEMPT FROM PROVISIONS OF ACT 70 OF 1970

(b)&

SECTION.

d.d. 1.f.o

Registrar of Deeds

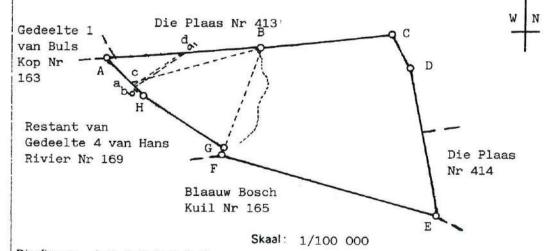
SERVITUDE DOM.

RIGTINGS -HOEKE		L.G. No.
		2550/1998
		Goedgekeur
		1. Lwan
		nms Landmeter-genera
		1998.06.02

- Hans Rivier Nr 169, sien Diagram No 2549/1998 geheg aan 2000- 39606 12
- 2. Die figuur BCDEF stel voor die Restant van Buls Kop Nr 163, sien Diagram No 6/1872 geheg aan Grondbrief No BfW.Q-15-9 gedateer 27/3/1894

### Serwituut Notas

- Die lyn bc stel voor die hartlyn van 'n Serwituut van Elektriese kragleiding, sien Diagram No 4311-87 geheg aan Akte van Serwituut No 1127/89
- Die lyn cd stel voor die hartlyn van 'n Serwituut van Elektriese kragleiding, sien Diagram No 4312-87 geheg aan Akte van Serwituut No 1127/89



Die figuur ABCDEFGH

2667,0374 Hektaar stel voor

Die Plaas Nr 423

en bestaan uit komponente 1 - 2 bo genoem geleë in

grond, synde

Administratiewe Distrik

Provinsie Wes-Kaap Saamgestel acose Opgemeet in April 1998 W M VAN DEN HEEVER deur my, Landmeter PLS 0633 Hierdie kaart is geheg aan Die oorspronklike kaarte is Lêer No. BFW. 423 M.S. No. Saamgestel NO. CCT soos bo genoem gedateer 39607 geheg aan Komp. CL 4 Transport/Grondbrief CL-4A (4584) No Bakens B,F gevestig

BEAUFORT-WES

Registrateur van Aktes

FOR ENDORSEMENTS **BER BACK OF DIAGRAM** 

SURVEY RECORD	DIAGRAM NO.	DESCRIPTION	DEED	INITIALED
E2796/2007	6624/2007	The line albi represents the centre line of a EPTS SSM wide		

# **ANNEXURE F:**

# MOTIVATIONAL MEMORANDUM

# CONSENT USE APPLICATION ON THE FARM: DIE PLAAS 423, REGISTRATION DIVISION BEAUFORT WEST, WESTERN CAPE PROVINCE

# MOTIVATIONAL MEMORANDUM



Submitted to: Beaufort West Local Municipality

• 5 DAHLIA STREET, POTCHEFSTROOM, 2531 •

2082 662 1105 · 1086 693 9341 •

• CK 2000/045930/23 • VAT no 4520225600 • adminmp@tpsplanners.co.za •

• K.W. Rost •



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10.	CONCLUSION	

P22817\_Hoodia Rosenia and Salsola

CONSENT USE APPLICATION ON THE FARM: DIE PLAAS 423, REGISTRATION DIVISION BEAUFORT WEST, WESTERN CAPE PROVINCE

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CONSENT USE APPLICATION ON THE FARM: DIE PLAAS 423, REGISTRATION DIVISION BEAUFORT WEST, WESTERN CAPE PROVINCE

### 1 INTRODUCTION

Townscape Planning Solutions was appointed to apply for the consent use application on Die PI AAS 423. Western Cape Province (hereafter referred to as the "application property"). The client, Hoodia PV (Pty) Ltd. including (Hardeveld PV (Pty) Ltd.) (Registration number: 2021/860718/07), Rosenia PV (Pty) Ltd. including Bulskop PV (Pty) Ltd. (Rosenia PV (Pty) Ltd. - Registration number: 2021/900109/07) and Salsola PV (Pty) Ltd. (Gamka PV (Pty) Ltd. included) (Registration number: 2021/860707/07) (hereafter referred to as the "developer"/PV Facilities), wishes to utilise the property for the purpose of a Solar PV (Photovoltaic System) Energy Facility. The following report will serve as motivation for the proposed consent use application and development.

### 2 APPLICATION

Application is made on behalf of the client who has an option to lease with the landowner.

This application serves to apply for the consent at Beaufort West Local Municipality:

### Consent use:

In terms of Section 15(2) read with Section 19 of Beaufort West Municipality: By-Law on Municipal Land Use Planning: To regulate and control municipal land use planning for the consent of the farm **DIE PLAAS 423, REGISTRATION DIVISION BEAUFORT WEST, WESTERN CAPE PROVINCE** to accommodate the proposed generating facilities on the site.

Consent to register a long-term lease and servitudes or exception thereof over the mentioned farm in favour of the clients as mentioned above, in terms of Section 15(2) read with Section 24 of the Beaufort West Municipality: By-Law on Municipal Land Use Planning: To regulate and control municipal land use planning.

As mentioned above, the application is made in respect of the following property:

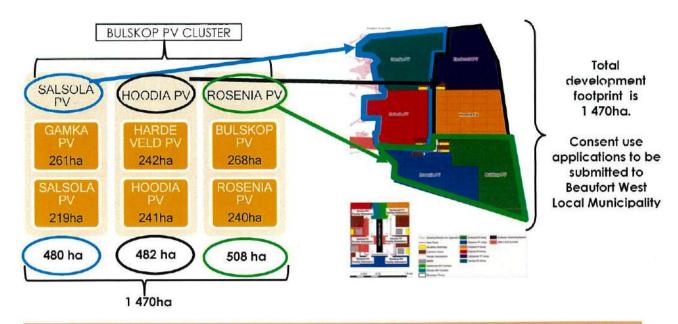
### DIE PLAAS 423, REGISTRATION DIVISION BEAUFORT WEST, WESTERN CAPE PROVINCE

Please see the complete application form for more information in this regard.

### THE BIG PICTURE:

The PV Facilities to be constructed on the Farm 423 are all part of a cluster of 3 development companies that each have two 120MW renewable energy facilities.

- 1. Hoodia PV (Pty) Ltd that includes Hardeveld PV (Pty) Ltd PV Facilities over 482ha of the property
- 2. Rosenia PV (Pty) Ltd that includes Bulskop PV (Pty) Ltd PV Facilities over 508ha of the property
- 3. Salsola PV (Pty) Ltd that includes Gamka PV (Pty) Ltd PV Facilities over 480ha of the property



### 3 GENERAL INFORMATION

### 3.1 APPLICATION PROPERTY LOCALITY

The application property is in the Central Karoo District of the Western Cape Province, within the jurisdiction area of the Beaufort West Local Municipality. The property is  $\pm$  2667ha in extent, situated approximately 12km southeast of Beaufort West in the Western Cape. The property is located adjacent to the R61 and 12km directly east of the N12, as illustrated in the following Figure 1.

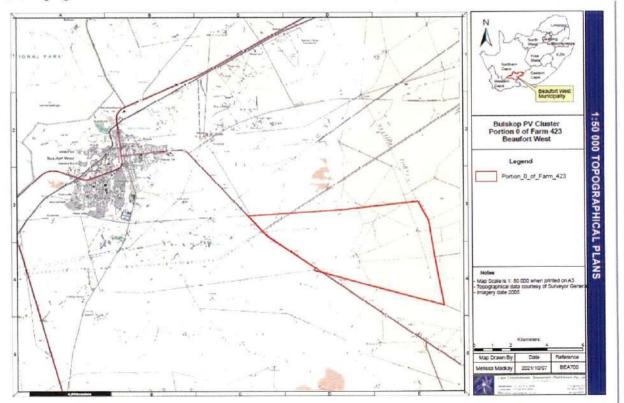


Figure 1: Local locality of the application property

Please refer to the locality maps attached in **Annexure D** for further reference.

### 3.2 BACKGROUND ON THE APPLICATION PROPERTY

As can be seen in the following Figure 2, the application property is currently vacant, with minimum agricultural activities occurring on the property.



Figure 2: The application property is currently vacant.

There is a global need for sustainable, clean energy as traditional power sources (coal) rely on fossil fuels that will run out in time. As such, countries, including South Africa, have recognised the value of solar energy. According to the South African Integrated Resource Plan (IRP, 2010-2030), 17 800 MW of the 2030 target of newly generated power should be developed from renewable energy sources (biomass, wind, solar and small-scale hydro). The 2019 IRP further emphasises renewable technologies as it presents enormous potential for creating new industries, job creation and providing off-grid electricity. Many suggest the northern part of the Western Cape as the ideal location for various forms of alternative energy.

A CSIR study shows that across South Africa, solar photovoltaic (PV) and wind resources are good enough to produce globally competitive solar and wind power and that over 80% of the land mass has enough wind potential to achieve a 30% average annual load factor. The load factor is a measure of the average utilisation of wind turbines. In countries like Spain and Germany, known for their good wind resources, the average load factors of the entire wind fleets are 25-27% and 20-23%, respectively. The 'good wind' resource is not restricted to the Cape area, as was previously thought, and therefore, wind plants can be established almost everywhere in South Africa.

As seen in the following Figure, the application property (indicated in the green circle) is ideally located within a location with high solar radiation intensity. It is therefore ideal for producing solar power.

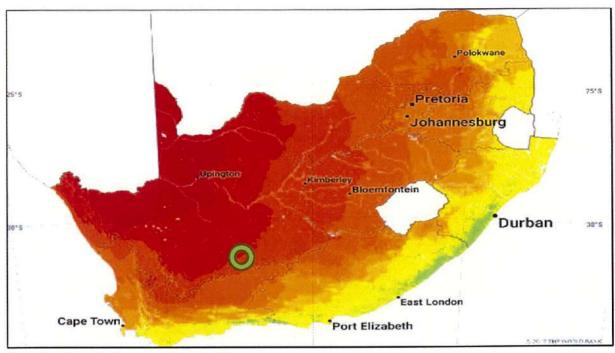


Figure 3: Solar radiation map of South Africa.

The consent use application of other properties, also for the purpose of Solar PV Energy Facilities, has been approved since 2015 by the Beaufort West Local Municipality. Please see the map below indicating similar development locations.

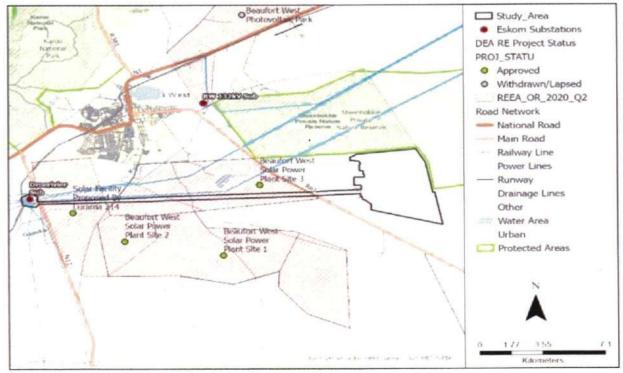


Figure 4: Map depicting similar PV activities in the area (Source: Cape Environmental Assessment Practitioners (Pty) Ltd, BEA700/05 p84)

### 3.3 PROPOSED DEVELOPMENT & PREFERRED LAYOUT

The proposed developer aims to produce renewable energy as an Independent Power Producer (IPP) under the governmental program: The Renewable Energy Independent Power Producer Procurement Program (REIPPPP). The power generated from the project aims to assist the government with electricity supply by supplying energy from the sun as a renewable energy source into the existing national Eskom grid.

The developers infrastructure is as follow and are all located in the eastern parts of the application property, east of the R61. The following Figure indicates the location and proposed layout on the application property. The photovoltaic (PV) technology (solar panels) will be laid out and developed on an approximately 1470 ha portion of the application property, as illustrated in the following layout plan:

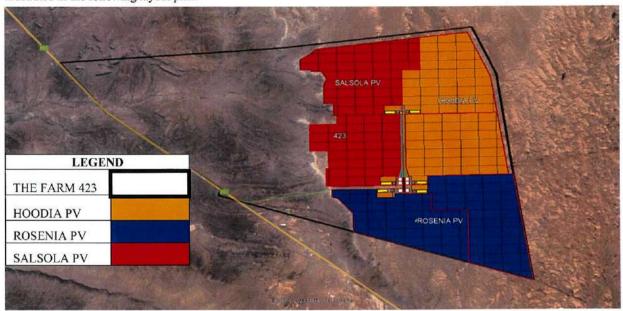


Figure 5: Location of the proposed development on the application property

1. Hoodia PV (Pty) Ltd that includes Hardeveld PV (Pty) Ltd PV Facilities over 482ha of the property (Orange figure)

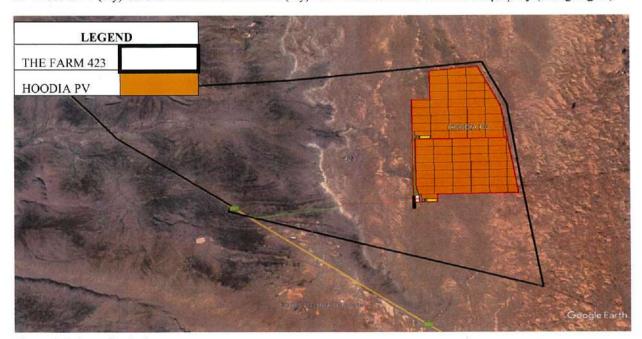


Figure 6: Schematic design

2. Rosenia PV (Pty) Ltd that includes Bulskop PV (Pty) Ltd PV Facilities over 508ha of the property (Blue figure)

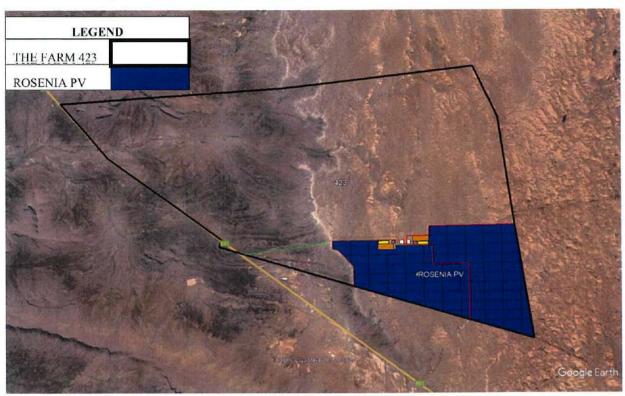


Figure 7: Schematic design

3. Salsola PV (Pty) Ltd that includes Gamka PV (Pty) Ltd PV Facilities over 480ha of the property (Red figure)

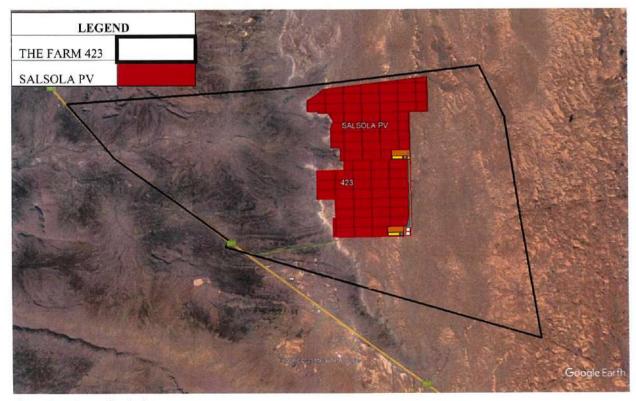


Figure 8: Schematic design

CONSENT USE APPLICATION ON THE FARM: DIE PLAAS 423, REGISTRATION DIVISION BEAUFORT WEST, WESTERN CAPE PROVINCE

According to the design report (attached in Annexure O), the following infrastructure covers the area for each PV I acility (as illustrated in the Figure above).

COMPONENT	FSTIMATED EXTENT OF SOLAR PLANT	PERCENTAGE OF TOTAL FOOTPRINT (1470ha)	PERCENTAGE OF WHOLE FARM (+2667 HA)
PV array	190ha + 239ha - 429ha	88%	16%
Internal roads (6m width)	16ha (0,27 km²)	6%	0,29%
Auxiliary buildings Includes:  Inverter room On-site substations and transformers A workshop area A storeroom area A change and ablution room area An administrative and security building	16ha (0,02 km²)	6%	0,29%

The figures above illustrate the area of the application property that would accommodate the proposed PV Facilities and associated infrastructure. Please refer to **Annexure G** for a detailed layout plan.

Among the outstanding characteristics of the PV facilities are its exceptionally flat nature, sufficient medium sensitivity environments (the proposed layout plan was able to avoid all areas with high sensitivity and very high sensitivity) and accessible location, facilitating the delivery of PV panel infrastructure, and the construction and assembly process. The site's proximity to the R61 decreases the impact on secondary roads from the traffic going to and from site during construction and operations.

The location and layout of the proposed PV Facilities have considered the following:

- · The exclusions of environmentally sensitive areas.
- Minimal disturbance to water washes and highly water-sensitive areas.
- · Road access to the site concerning distance and minimal disturbance to sensitive areas.
- Specialist buffers on identified sensitive areas.
- Close proximity to the existing ESKOM Droerivier MTS for connection to the distribution network line via a newly constructed powerline.

(Source: Cape Environmental Assessment Practitioners (Pty) Ltd., BEA700/05 p19).

Furthermore, the development will use photovoltaic (PV) technology and intends to generate (six x 120MW = 720MW) of electricity from solar technology. The project will use a series of conventional solar photovoltaic (PV) technology (monoracial or bifacial) with fixed, single or double axis tracking mounting structures or loose-standing CPV modules (both referred to as PV technology). The following Figures depict a typical layout of the two types of PV technology.



Figure 9: Examples of PV module arrays: flxed-tllt system (left) and single-axis tracking system (right).

(SOURCE: SOLAR POWER WORLD ONLINE/INFO ACCESSED ON 15 JULY 2020).



Figure 10: Loose-standing CPV modules.
(SOURCE: SOLARNOVUS/INFO ACCESSED ON 15 JULY 2020)

### 3.4 PROPERTY DETAILS

	DIE PLAAS 423, REGISTRATION DIVISION BEAUFORT WEST, WESTERN CAPE PROVINCE			
Title Deed number	T10142/2015			
Registered owner	HB VAN DER MERWE FAMILIETRUST	REGISTRATION NUMBER: 1T500/83		
Total property size	2667,0374 ha			

Table 1: Property details

Attached is a copy of the Title Deed and signed Power of Attorney in Annexure B and Annexure C.

### 3.5 BOND INFORMATION

There is no bond registered against the property. Please refer to the Title Deed (T10142/2015) and Win Deed Search indicating no bonds in **Annexure B** for more information in this regard.

### 3.6 RESTRICTIVE TITLE DEED CONDITIONS

The property contains no conditions prohibiting the consent use application to accommodate a 'renewable energy facility'. Still, it does require specific action to be taken to avoid existing power line servitudes and right of way conditions. Please find attached a copy of the Conveyancer's Certificate to this effect in **Annexure L**.

### 3.7 EXISTING SERVITUDES READ WITH TITLE CONDITIONS

The property is subjected to the following servitudes listed in the Title Deed (T10142/2015):

### Condition (B) on Page 2:

### GENERAL SERVITUDES RESERVED IN FAVOUR OF ESKOM

By Notarial Deed No. 500/1973 dd 11-9-73 the right has been granted to Eletricity Supply Comminssion to convey eletricity over the property hereby conveyed together with ancillary rights and subject to conditions as will more fully appear on reference to Notarial Deed, grosse whereof is hereto annexed.

### Condition (E) on Page 3:

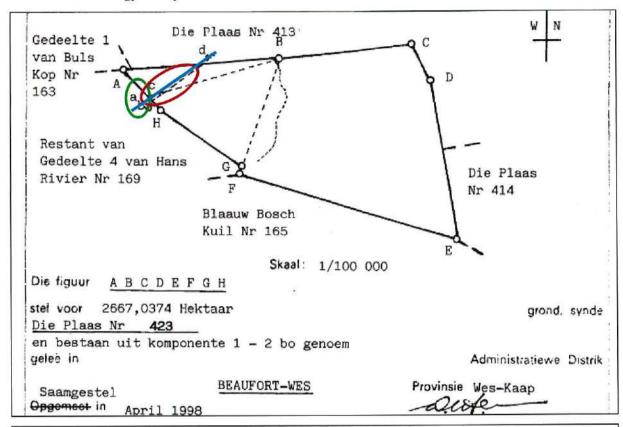
E. KRAGTENS Notariele Akte Nr K313/1981S is die binnegemelde eiendom onderhewig aan die reg ten gunste van Eskom om elektrisiteit daaroor te lei, tesame met bykomende regte en onderhewig aan voorwaades soos meer volledig sal blyk uit die gesegde Akte (en Kaart) afskrif wat daaraan geheg is.

### Condition (F) on Page 3:

F. KRAGTENS Notariele Akte Omskrywing van Serwituut Nr. K1127/89 is die serwituut vervat in in K500/1973S en K313/1981S nou gewysig om die presiese roete te bepaal soos meer volledig sal blyk uit gesegde Notariele Akte met Kaartenrs. 431/87 en 4312/1987 daarby aangeheg, die lyn c d op aangehegte Kaart LG Nr. 2550/1998 en die lyn b c op aangehegte Kaart LG Nr. 2550/1998 stel onderskeidelik die hartlyne van die gemelde serwitute voor.

### Condition (G) on Page 3:

G. KRAGTENS Notariele Akte van Serwituut Nr. K1082/96S is die binnegemelde eiendom onderhewig aan 'n kraglynserwituut met bykomende regte ten gunste van Eskom. Having investigated all the mentioned servitudes in favour of ESKOM as indicated on the SG Diagram No. 2550/1998 and SG Diagram No.6624/2007, it was concluded that these servitudes don't affect the development of the renewable energy facility.



### Serwituut Notas

- Die vn bc tel voor die hartlyn van 'n Serwituut van Elektriese kragleiding, sien Diagram No 4311-87 geheg aan Akte van Serwituut No 1127/89
- Die vn cd etel voor die hartlyn van 'n Serwituut van Elektriese kragieiding, sien Diagram No 4312-87 geheg aan Akte van Serwituut No 1127/89

SIDES Metres		ANGLES OF DIRECTION			X	S.G. No. 6624/2007
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		raid tradition is	Servitude S.G.	8o. 4312/67	line of	
	RNS RIVIER	No. 169	Servitude S.G. represents the Transmission	8o. 4312/67	line of 55,00 s	SORLE 1 / 50 00
Th	RNS RIVIER	No. 169 a b the Farm	Servitude S.G. represents the Transmission	No. 4312/67 he centre i Servitude 95 No. 423	line of 55,00	SORLE 1 / 50 00

All the existing Eskom servitudes are located on the western portion of the farm, and the development of the PV Energy Facility will not affect the servitudes. (See Annexure E-SG Diagrams.)

### Condition (II) on page 3:

H. ONDERHEWIG VERDER aan die volgende voorwaarde soos vervat in Transportakte Nr T39606/2000, opgele deur die Minister van Vervoer tydens goedkeuring van die onderverdeling naamlik:

"Geen bykomende toegange mag geskep word sonder die toestemming van die Hoofdirektoraat van Vervoer nie."

The application for consent use will be sent to the Department: Transport & Public Works
Western Cape Government for formal comments on the new access and point of access, as per the Traffic Impact
Assessment (see Annexure I). The detail around the access will be discussed under Section 6 of this

### Conditions II, A and III B on page 3 as per BGH on SG No. 2550/1998

Do not affect the development as no Solar PV Energy Facility is to be developed on this portion of the farm.

### Conditions III, A, B and C on pages 3 and 4 as per BGH on SG No. 2550/1998

Do not affect the development as these conditions will be accommodated where applicable.

### 3.8 EXISTING ZONING

memorandum.

The property is currently zoned Agricultural I, as per the current land use scheme.

### 3.9 EXISTING LAND USE

The application property is currently vacant, utilised for some low-impact agricultural (grazing) purposes.

### 3.10 PROPOSED LAND USE RIGHTS & DEVELOPMENT PARAMETERS

The following Land Use Rights are proposed for the development:

Table 2: Proposed Land Use Rights

ZONING	Agricultural Zone I		
PROPOSED LAND USE WITH CONSENT USE	"renewable energy structure"  Land use description: "renewable energy structure"—  (a) means any wind turbine, solar energy generating apparatus, including solar photovoltaic and concentrated solar thermal, hydro turbines or bio mass facility or any grouping thereof, that captures and converts wind, solar radiation or bio mass into energy for commercial gain; and  (b) includes any appurtenant structure necessary for, or directly associated with, generation of renewable energy, or any test facility or structure that may lead to the generation of energy on a commercial basis, excluding electrical grid connections.		
ACCESS*	As per the outcome of the transportation and traffic management plan, the proposed main access road to the site will be located off the R61.		
AREA OF DEVELOPMENT	$\pm 1470$ ha of the 2667ha (total size of application property).		
DEVELOPMENT PARAMETERS	Development parameters: Height  (i) The maximum height of a renewable energy structure is technology dependent.  (ii) The height of buildings may not exceed 8,5 metres from natural ground level to the top of the roof.		

### Setback

In the case of a wind turbine the setback is

- a distance equal to 1,5 times the overall blade tip height of the turbine, measured from the nearest residential, commercial or critical agricultural structures including animal housing, outbuildings, store rooms, excluding structures such as water troughs, feed dispensers, and windmills;
- (ii) a distance of 100m from the cadastral boundary of the land unit, unless the renewable energy structure straddles two or more cadastral boundaries, in which case no setback applies;
- (iii) a distance of 100m from any public road or private or public right of way, unless it provides access to the turbine;
- (iv) a distance of 100m from any electrical infrastructure; and
- (v) a distance of 1000m from towns, settlements or urban areas.

### Site development plan

- (i) A site development plan must be submitted to the Municipality for its approval.
- (i) The site must be surveyed and the exact delineation of the construction footprint must be shown in the site development plan.
- (ii) To the extent necessary, any relevant measures contained in these regulations must be incorporated into the site development plan submitted to the Municipality for approval.

### 3.11 SURROUNDING LAND USES

As shown below in the figure below, the application site is close to several other approved renewable energy facilities (solar and wind) and applications for future installations surrounding the application property.

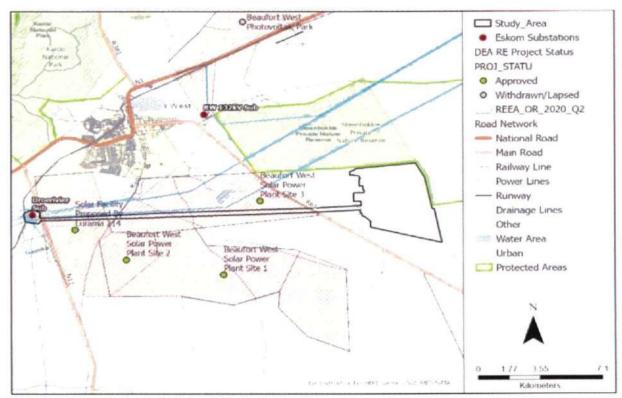


Figure 11: Map depicting similar PV activities in the area. (Source: Cape Environmental Assessment Practitioners (Pty) Ltd., BEA700/08 p82)

As such, the proposed development is well suited to the surrounding area and is in line with development trends.

### 4. POLICY AND LEGISLATION

The following sections refer to relevant policies and legislation regarding the development of solar energy facilities in South Africa. It should be noted that the proposed development is in line with the guiding principles contained in these policies and legislation.

### 4.1 THE NATIONAL ENERGY ACT (2008)

The National Energy Act was promulgated in 2008 and provides the legal framework which supports the development of renewable energy facilities for the greater environmental and social good. The Preamble specifically addresses the need "to ensure that diverse energy resources are available, in sustainable quantities, and at affordable prices" and to "provide for (...) increased generation and consumption of renewable energies".

Therefore, the National Energy Act recognises the significant role electricity plays in growing the economy while improving citizens' quality of life. This provides the backdrop against which South Africa's strategic planning regarding future electricity provision and supply takes place.

From the above, it is clear that the proposed development is aligned with the Act as it aims to generate renewable energy.

### 4.2 RENEWABLE ENERGY DEVELOPMENT ZONES

The Strategic Environmental Assessment (SEA) for wind and solar PV energy in South Africa (CSIR, 2013) identified eight (8) Renewable Development Zones (REDZs). The REDZs identified areas where large scale renewable energy facilities can be developed in a manner that limits significant negative impacts on the environment while yielding the highest possible socio-economic benefits to the country.

The Phase 2 SEA identified a further 3 REDZ, which were formally gazetted in 2021. The Hoodia PV site is located within the Beaufort West REDZ, which was formally gazetted as part of the Phase 2 REDZ in 2021. The area has therefore been identified as suitable for the establishment of renewable energy facilities, specifically large-scale solar farms.



Figure 12: REDZ (Renewable Energy Development Zones), Beaufort West.

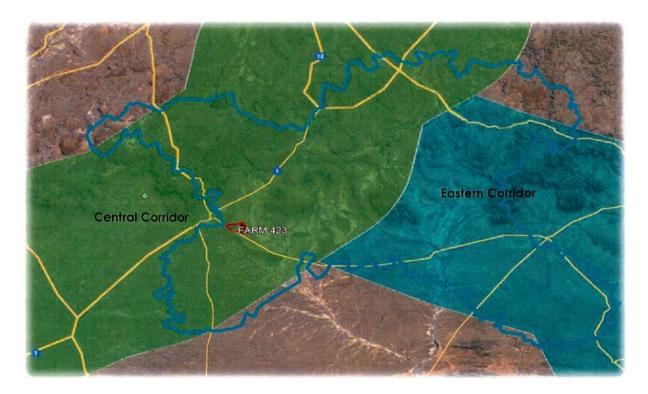


Figure 13: REDZ (Renewable Energy Development Zones and Corridors), Beaufort West.

### 4.3 SPATIAL PLANNING AND LAND USE MANAGEMENT ACT (2013)

The Spatial Planning and Land Use Management Act (SPLUMA) was promulgated in August 2013, effectively replacing the Development Facilitation Act of 1995. Several development principles are included in the SPLUMA to measure development against. The following development principles are relevant to this application:

Table 3: Development Principles of SPLUMA 2013

access to and use of land.
Relevance:
The proposed development does not support diminishing access to land or the use thereof. This project will provide employment opportunities to the area's local communities, which will mean improved economic means.

Spatial development frameworks and policies at all spheres of government must address the inclusion of persons and areas that were previously excluded, with an emphasis on informal settlements, former homeland areas and areas characterised by widespread

PRINCIPLE OF SPATIAL JUSTICE **poverty and deprivation. Relevance:**This component applies to public entities such as municipalities and government departments, and it is therefore not an applicant's responsibility to adhere thereto.

Past spatial and other development imbalances must be redressed through improved

Spatial planning mechanisms, including land use schemes, must incorporate provisions that enable redress in access to land by disadvantaged communities and persons. Relevance:

This component applies to public entities such as municipalities and government departments, and it is therefore not an applicant's responsibility to adhere thereto.

Land use management systems must include all areas of a municipality and specifically include provisions that are flexible and appropriate for managing disadvantaged areas, informal settlements and former homeland areas.

Relevance:

This component applies to public entities such as municipalities and government departments, and it is therefore not an applicant's responsibility to adhere thereto.

Land development procedures must include provisions that accommodate access to secure tenure and the incremental upgrading of informal areas.

This component applies to public entities such as municipalities and government departments, and it is therefore not an applicant's responsibility to adhere thereto.

A Municipal Planning Tribunal considering an application may not be impeded or restricted in the exercise of its discretion solely on the ground that the value of land or property is affected by the outcome of the application.

Relevance:

This component applies to public entities such as municipalities and government departments, and it is therefore not an applicant's responsibility to adhere thereto.

Promote land development that is within the fiscal, institutional and administrative means of the Republic.

Relevance:

The proposed development of a PV Energy Facility will have a direct positive impact on the availability of energy in the republic and will contribute to the national economy by means of the investment opportunity that it provides.

Ensure that special consideration is given to the protection of prime and unique agricultural land.

Relevance:

Detailed studies have been done to ensure that the proposed PV Energy Facility will not affect the prime agricultural land. This study clearly shows that the application site doesn't have any prime and unique agricultural land.

Uphold consistency of land use measures in accordance with environmental management instruments.

Relevance:

The environmental impacts of this development have been considered through a process of Environmental Impact Assessment.

PRINCIPLE OF SPATIAL SUSTAINABILITY Promote and stimulate the effective and equitable functioning of land markets. Relevance:

Any application for land use change will increase the property value if the proposed land use is aligned with current legislation.

Consider all current and future costs to all parties for the provision of infrastructure and social services in land developments.

Relevance:

The proposed development will provide a facility that will use a renewable source in providing energy, thereby creating potential economic growth, reducing environmental costs and reliance on unsustainable fossil fuels.

Promote land development in locations that are sustainable and limit urban sprawl. Relevance:

The planned change of land use application is located outside any urban edge. Therefore, this principle is not applicable.

Resulting in communities that are viable.

The proposed land use change focuses on the sustainable use of natural resources for energy production. Some temporary jobs will be created during construction and after the implementation of the project.

	Land development optimises the use of existing resources and infrastructure.
	Relevance:
	The proposed development of a PV Fnergy Facility will connect to existing infrastructure and
	use existing natural resources.
	Decision-making procedures are designed to minimise negative financial, social,
	economic or environmental impacts.
	Relevance:
PRINCIPLE OF	Application for consent use will be submitted to the Beaufort West Local Municipality in terms
EFFICIENCY	of the Beaufort West Municipal Standard Zoning Scheme By-law, 2020.
	Development application procedures are efficient and streamlined, and timeframes are
	adhered to by all parties.
	Relevance:
	As the applicant in this instance, our office will do our best to adhere to the timelines set by
	the Local Municipality. If this is not possible, we will, if need be, endeavour to consult the
	Municipality on these matters and find a solution.
	Whereby flexibility in spatial plans, policies and land use management systems are
PRINCIPLE OF	accommodated to ensure sustainable livelihoods in communities most likely to suffer the
SPATIAL	impacts of economic and environmental shock.
RESILIENCE	Relevance:
	The development of these plans is the function of government, and our application will align with these.
	All spheres of government ensure an integrated approach to land use and land
	development that is guided by the spatial planning and land use management systems as
	embodied in this Act.
	Relevance:
	The function of government departments and municipalities.
	All government departments must provide their sector inputs and comply with any other
	prescribed requirements during the preparation or amendment of spatial development
	frameworks. Relevance:
	The function of government departments and municipalities.
	The function of government departments and mainerparties.
	The requirements of any law relating to land development and land use are met
PRINCIPLE OF	timeously.
GOOD ADMINISTRATION	Relevance:
ADMINISTRATION	Various approvals/no objections/authorisations have been obtained concerning the proposed
	development. These are attached.
	The preparation and amendment of spatial plans, policies, land use schemes, as well a
	procedures for development applications include transparent processes of publi
	participation that afford all parties the opportunity to provide inputs on matter
	affecting them.
	Relevance:
	The Beaufort West Local Municipality will be responsible for the application procedures that
	are to follow after the submission of this application. Policies, legislation and procedure
	must be clearly set in order to inform and empower members of the public.
	Relevance:
	The function of government departments and municipalities.

The Beaufort West Local Municipality: By-Law on Municipal Land Use Planning was promulgated on 22 February 2018 in the Western Cape Government Provincial Gazette. This application is being launched in terms of relevant sections of this By-Law. This application will be aligned with the criteria and application processes stipulated in the By-Law and adheres to the procedural requirements. This application was compiled and submitted by a registered Professional Planner in terms of the Planning Profession Act, 2002. It is the opinion of the applicant that the proposed development is well suited to the application property, well-aligned with the applicable policies and plans of the Local Authority, and will contribute positively to the area's economic development. It is clear from the table above that the proposed development aligns with the guiding principles of SPLUMA, 2013.

### 4.4 NATIONAL DEVELOPMENT PLAN 2030 (2012)

The National Development Plan envisage that South Africa's energy sector would promote the following:

- Economic growth and development through adequate investment in energy infrastructure. The sector should provide reliable and efficient energy service at competitive rates while supporting economic growth through job creation.
- Social equity through expanded access to energy at affordable tariffs and targeted, sustainable subsidies for needy households.
- · Environmental sustainability through efforts to reduce pollution and mitigate the effects of climate change.

The development of renewable energy facilities promotes the pillars of economic growth identified in the NDP through the development of sustainable infrastructure projects, job creation and reducing the country's carbon footprint.

Various other plans and frameworks are adhered to through the development of renewable energy facilities. Here are just a few of them:

- New Growth Path Framework
- National Infrastructure Plan
- Integrated Resource Plan for Electricity (2010-2030)
- Integrated Energy Plan, 2016

### 4.5 CENTRAL KAROO SPATIAL DEVELOPMENT FRAMEWORK (2020)

The Central Karoo District Municipality has identified energy and energy generation as an opportunity to stimulate economic growth in the area. Shale gas exploration and the development of renewable energy facilities are the two main focus points indicated in the SWOT analysis on pages 31 and 55.

On page 53, the Central Karoo District SDF only notes that several onshore wind and solar energy projects are planned for the area. Most of the energy projects will connect to the national grid, especially through the existing ESKOM Droerivier MTS.

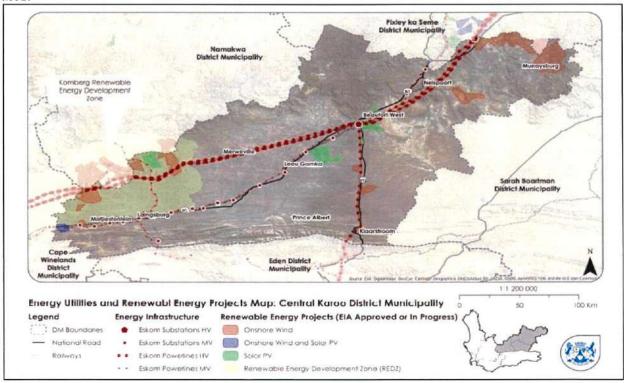


Figure 14: Energy utilities and renewable project map: Central Karoo District Municipality (Source, Central Karoo Spatial Development Francework, p. 33)

The Central Karoo District SDF identified eight municipal wide spatial strategies, of which the following has four specific relevant to the proposed consent application:

Table 4: Central Karoo District municipal-wide spatial strategies.

Central Karoo District municipal-wide spatial strategies	Relevance to proposed consent use application and development of renewable energy facilities	
Policy A1: Protect critical biodiversity areas, environmental support areas & natural environment towards a resilient Karoo.	Ensuring that the proposed development aligns with all relevant environmental and planning legislation.	
Policy A3: Tourism enhancement & protection of scenic assets	When delivering any agri-processing, renewableenergy or any infrastructure in rural areas, ensurethat key view sheds, vistas, and views are not undermined.	
Policy A5: Support and promote the renewable energy economy	Actively seek out green energy projects to be located in the region.	
Policy A8: Central Karoo climate change adaptation and mitigation policy	Promote renewable energy generation and use. Promote green- building principles in new buildsand retrofitting of buildings.	

(Source: Central Karoo Spatial Development Framework, p. 70-76)

#### 4.6 THE DRAFT BEAUFORT WEST LOCAL MUNICIPALITY DEVELOPMENT PLAN (2022-2027)

Solar energy facilities, and the development thereof, are specifically mentioned in the Beaufort West Local Municipality IDP, especially as an opportunity under the current reality section in the document.

The Municipality's Local Economic Development Strategy is to make land available for the development of renewable energy and to enhance poverty and unemployment reduction. The developers aim to generate renewable electricity to be supplied to the national Eskom grid via an existing substation adjacent to the site. Furthermore, employment opportunities and skill development will be created in the construction phase (600 employment opportunities). During full operational it is estimated that 60 employment opportunities will be created.

From the above-mentioned, it is clearly visible that the proposed development is aligned with strategies contained in the Beaufort West Local Municipality IDP.

### 4.7 THE BEAUFORT WEST LOCAL MUNICIPALITY SPATIAL DEVELOPMENT FRAMEWORK (2013)

The spatial vision for the Municipality set out in the 2013 Spatial Development Framework is "Wilderness tourism and transport gateway to the people, mountains and plains of the Central Karoo". The SDF notes that this vision implies that extensive agriculture is the main rural economic resource outside of eco-tourism.

The growth of this resource depends on improving the carrying capacity of the land through good veld management practices. The SDF does not comment on the potential impact of renewable energy projects on the natural environment. However, it does refer to shale gas exploration and uranium mining and the need to ensure that key areas such as CBAs, conservancies and stewardship areas and visually sensitive landscapes contributing to long-term heritage and tourism opportunities should be avoided. However, as indicated above, the site is located within the Beaufort West REDZ. The SDF was prepared in 2013 and therefore pre-dates the establishment of the REDZs in 2018.

Section 5.2.1 indicates that "Annual Horizontal Solar Radiation is fairly high – 2000-2100KWh/m² increasing towards the north. Similarly, wind speeds of 6-8m/s are also fairly high. Both these sources could be potential energy generators." This is an indication that both sources can be used for the generation of renewable power within the Municipality.

### P22817\_Hoodia Rosenia and Salsola

CONSENT USE APPLICATION ON THE FARM: DIE PLAAS 423, REGISTRATION DIVISION BEAUFORT WEST, WESTERN CAPE PROVINCE

Section 5.4.1.6 discuss principles for wind and solar farm sitting: The focus is mainly on wind farms. However, the following principles are also relevant to solar farms:

- · Slopes by gradient classes
- Rocky areas.
- Soil type and permeability.
- · Natural watercourses and areas with a high water table
- · Rainfall data.
- · Vegetation types and sensitivity.
- · Road layout and design.
- Re-vegetation.
- · Soil types and potential for erosion.
- · Soil types influence on road construction and re-vegetation.
- Surface hydrology and groundwater

The location of the proposed renewable energy facility is within the Sout Rivier bioregion. According to the basic assessment report, this area has the following characteristics, "flat, desert-like cosmic plain sloping towards the south". These are ideal for developing a PV facility.

A process of reviewing the 2013 SDF is currently underway.

### 5. MOTIVATION

The proposed consent use application and development could be motivated as follows:

#### 5.1 NEED

- The current energy supply in South Africa cannot meet the current demand. This is evident in scheduled "load-shedding" by the national energy provider, Eskom. Therefore, there exists a definitive need for increased energy provision.
- Currently, 90% of South African energy is generated through fossil fuels, particularly coal. Not only is this method of
  energy production unsustainable, but it also contributes to climate change and air pollution. As such, the need exists for
  sustainable energy generated from renewable resources to relieve pressure on limited coal reserves.
- · Benefits of renewable energy include:
  - × Increased energy security;
  - Resource saving;
  - The exploitation of significant renewable energy resources;
  - Pollution reduction;
  - Support for international agreements;
  - × Employment creation;
  - Acceptability to society;
  - × Support for the new industrial sector; and
  - Protecting the natural foundation of life for future generations.
- The positive implications of establishing a Solar PV Energy Facility on the application property include:
  - Assisting the government in reaching their set targets for renewable energy;
  - Relieving pressure on the national Eskom electricity grid;
  - ➤ Promotion of clean, renewable energy in SA; and
  - \* Creation of local employment and business opportunities in the area.

### 5.2 DESIRABILITY

The application site is ideally suited to the proposed development. Various technical and environmental factors are necessary to develop a solar energy facility. The following favourable site characteristics make the application site destrable:

### Climatic conditions

A solar energy facility is directly dependent on solar irradiation. The site falls within an area with high global radiation (GHI) (between 2050 and 2080 kWh/m² per annum), allowing for the maximisation of solar energy received. Low annual rainfall means vegetation is not dense and could not shadow the solar arrays. The high GHI is an important factor in calculating a bidding price for the REIPPPP, and this location allows for a very competitive price to be submitted

### Topographic conditions

A level area with a gradient of 3% or less is ideal for installing PV panels. The proposed development site has a flat topography and is thus suited for an alternative energy generation facility with minimum interference concerning shadows between the solar infrastructures. Furthermore, ground conditions are suitable, significantly reducing construction costs and limiting the environmental impact.

### Extent of the site

A significant area of land is needed to generate 6 x 120 MW as proposed. Therefore, the site is ideal as sufficient land is available for the proposed development. No obstructions are found within a northern orientation, therefore eliminating the possibility of casting shadows on the solar arrays.

### · Proximity to grid connection

Proximity to the electrical grid is required in order to make a project economically viable. The site is ideally located in close proximity to an existing Eskom substation and infrastructure. Grid connection options are available by means of a new self-build overhead power line to the existing Droerivier Substation (directly west of the site).

### Site availability and access

As detailed in the traffic impact assessment report, the existing farm access was initially proposed to access the project. However, the traffic specialist confirmed that the existing access is not a feasible access option due to the inadequate sight distance. The proposed facility will be accessed via a new proposed access point located off the R61 at Latitude: 32°23'57.47"S, Longitude: 22°40'15.36"E. The proposed access point will be located approximately 1,3km from the existing farm access, where sight lines are deemed adequate.



Figure 15: Proposed access and proposed access point

The proposed access point will need to be upgraded to cater for the construction and abnormal load vehicles. Generally, the road width at the access point needs to be a minimum of 8m and the access roads on-site a minimum of 4,5m (preferably 5m). The radius at the access point needs to be large enough to allow for all construction vehicles to turn safely. It is recommended that the access point be surfaced and the internal access roads on site remain gravel.

### · Influence on the surrounding area

The application will have no negative impact on the surrounding area seeing that the development is located in an area that has become a node for renewable energy projects, with several similar projects close to the application site. A detailed and very comprehensive environmental basic assessment report was compiled and is in the process of being assessed. The mentioned environmental report specifically focused on the following:

- · Biodiversity impacts
- Agricultural impacts (Agricultural Impact Assessment)
- · Avifaunal Impacts
- Aquatic Biodiversity Impacts
- Heritage, Paleotonology & Cultural Landscape Impacts (see Heritage Approval)
- Visual Impact Assessment (see Visual Impact Assessment)
- Traffic Impact Assessment (See Traffic Impact Study)
- · Social Impact Assessment

### 6. ENGINEERING SERVICES

A Technical Design Report was compiled for each development. This design report is exactly the same for each proposed development so we attached only one copy thereof for your attention in **Annexure O**. Due to the location of the application property, utilisation of municipal services is exceedingly difficult. Therefore, it is proposed to manage engineering services independently as follows:

### 6.1 WATER

Water required during the construction and operation phases will be sourced from (in order of priority):

- The Local Municipality (LM) has provided written confirmation that they have adequate water to supply the
  construction and operational phase of the Salsola PV. Specific arrangements will be made with the Beaufort West Local
  Municipality in a Service Level Agreement (SLA) once the project has received preferred bidder status. Most likely, the
  water will be trucked in or made available for collection at their Water Treatment Plant via a metered standpipe.
- · Investigation into a third-party water supplier, which may include a private services company.
- The investigation of drilling a borehole on-site, which will include a complete geohydrological testing, groundwater census and a Water Use License Application (WULA) in terms of section 21a of the National Water Act, 1998. The option of drilling a borehole is not considered necessary at this stage of the project.

### 6.2 SOLID WASTE MANAGEMENT

Solid waste during the construction phase will mainly be in the form of construction material, excavated substrate and domestic solid waste. All waste will be disposed of in scavenger-proof bins and temporarily placed in a central location for removal by the contractor or a private registered waste service provider. Any other waste and excess material will be removed once construction is complete and disposed of at a registered waste facility. Excess excavation material will either be spoiled off-site at a registered facility or used for landscaping berms within the overall PV footprint.

### 6.3 SEWAGE

During the construction phase, chemical ablution facilities will be utilised. These ablution facilities will be maintained, serviced and emptied by an appointed contractor, who will dispose of the effluent at a licensed facility off-site. The Beaufort West Local Municipality has provided written confirmation that they have sufficient capacity at the BW WWTW for the disposal of sewage waste from the construction and operation phase of Salsola PV. Once construction is complete, the chemical ablution facilities will be removed from the study area. A conservancy tank, which will be regularly emptied by a registered service provider, will be installed at the Operations & Maintenance building and on site/facility substation and the BESS control room.

### 6.4 EROSION AND STORMWATER CONTROL

The risk of water erosion is low because of the deficient annual rainfall in the area. Furthermore, soil conditions of the area sufficiently absorb surface water quickly, which reduces water flow and possible water erosion. In applicable buildings, appropriate guttering will be used around the buildings to avoid water erosion where roof water would be flowing off the roof. The solar modules would be installed on frames, allowing natural water to flow underneath the structure. A detailed Stormwater, Wastewater and Erosion Management Plan was compiled.

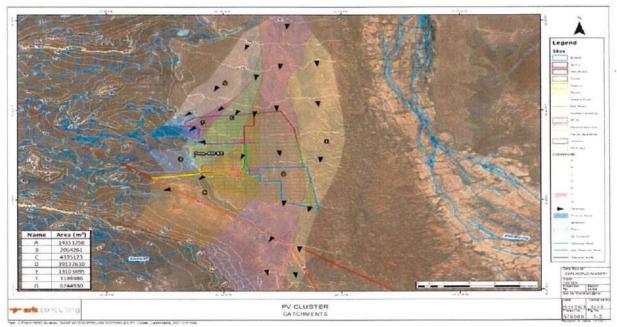


Figure 16: Conceptual stormwater catchments for the proposed (Source: SRK – Stormwater, Wastewater and Erosion Management Plan)

### 6.5 ELECTRICITY

During the construction and operation periods, electricity will be needed in the support offices, security systems, etc. It is proposed to use diesel/petrol generators for electricity generation during construction. It was proposed to utilise on-site electricity reticulation from the on-site substation towards the required areas for electricity for the on-site buildings and operations.

### 7. ENVIRONMENTAL AUTHORISATION

A basic assessment report was compiled by Cape EAPrac. The associated impacts of the PV Facilities have been assessed by various specialists, including Agriculture, Ecology, Avifaunal, Aquatic, Heritage, Archaeology, Palaeontology, Cultural Landscape, Visual, Traffic, Geotechnical, and Socio-Economic).

The overall impact ratings with mitigation were identified as between low and medium negative impacts. No fatal flaws have been identified, and all the specialists were satisfied that the development may be authorised. Thus, from an environmental perspective, the project can be well-managed, with sound contingencies being put in place to prevent harm to surrounding areas.

Environmental authorisation for each development has been attached in  $\underline{\textbf{Annexure H}}$  for your attention.

### 8. TOWN PLANNING PERSPECTIVE

This application serves to apply for the consent at Beaufort West Local Municipality:

#### Consent use:

In terms of Section 15(2) Beaufort West Municipality: By-Law on Municipal Land Use Planning: To regulate and control municipal land use planning for the consent of the farm **DIE PLAAS 423, REGISTRATION DIVISION BEAUFORT WEST, WESTERN CAPE PROVINCE** to accommodate the proposed PV Facilities consisting of six 120MW generation facilities.

Consent to register a long-term lease and servitudes or exception thereof over the mentioned farm in favour of the developers in terms of Section 15(2) read with Section 24 of the Beaufort West Municipality: By-Law on Municipal Land Use Planning: To regulate and control municipal land use planning.

- The application property is large enough to accommodate the proposed Solar PV Energy Facility. The application
  property is currently underutilised for agricultural activities. Still, it is ideally located within an area with high global
  irradiation (between 2200 and 2600K Wh/m²) allowing for the maximisation of the received solar energy.
- The consent use application of a portion of the property in order to accommodate the proposed developments/ PV
   Facilities would ultimately contribute toward sustainability and renewable energy. The proposed development on
   the application property would be ideal and involves the optimal use of the existing land and available radiation
   resource.
- Several other renewable energy projects and infrastructure are found in close proximity to the application property.
   Therefore, the proposed consent use application and development will not be in contrast with the surrounding area but would ensure harmony. As previously mentioned, the property has both good external connections and internal access to accommodate the proposed development.

Ultimately, from a town planning perspective, it makes sense to allow the proposed consent use application of the property for the purpose of a Renewable Energy Facility. Allowing the consent use application will increase the functionality, add value to the current property, and assist the local economy by creating local business and employment opportunities. Overall, the project would aid with South Africa's electricity supply based on an environmentally friendly manner.

### 9. COMMUNITY PARTICIPATION

In accordance with Chapter 4 of the Beaufort West Municipality: By-Law on Municipal Land Use Planning: To regulate and control municipal land use planning, a notice of the consent use application will be done as follows:

- An advertisement will be placed in the local newspaper.
- · A site notice will be placed on site.
- Surrounding landowners will be informed by registered post or hand-delivered or via electronic mail of the proposed development.

As part of the process, several provincial and other interested parties commended the application.

Table 5: Comments received from provincial departments or interested parties

Provincial department/interested party	Comments received	Refer to
South African Weather Service		Para Basana
Department of Mineral Resources	##7/ ##7/2#	Annexure J
Telkom	No objection	
Commission on Restitution of Land Rights		
Department of Water and Sanitation	A full assessment of the water-use licence application will only be undertaken by the DWS once the project is approved.	

### P22817\_Hoodia Rosenia and Salsola

CONSENT USE APPLICATION ON THE FARM: DIE PLAAS 423, REGISTRATION DIVISION BEAUFORT WEST, WESTERN CAPE PROVINCE

### 10. CONCLUSION

Application is made on behalf of the developers in terms of Section 15(2) Beaufort West Municipality: By-Law on Municipal Land Use Planning: To regulate and control municipal land use planning for the consent of the farm **DIF PLAAS 423**, **REGISTRATION DIVISION BEAUFORT WEST, WESTERN CAPE PROVINCE** to accommodate the proposed PV Facilities consisting of six 120MW generation facilities.

#### AND

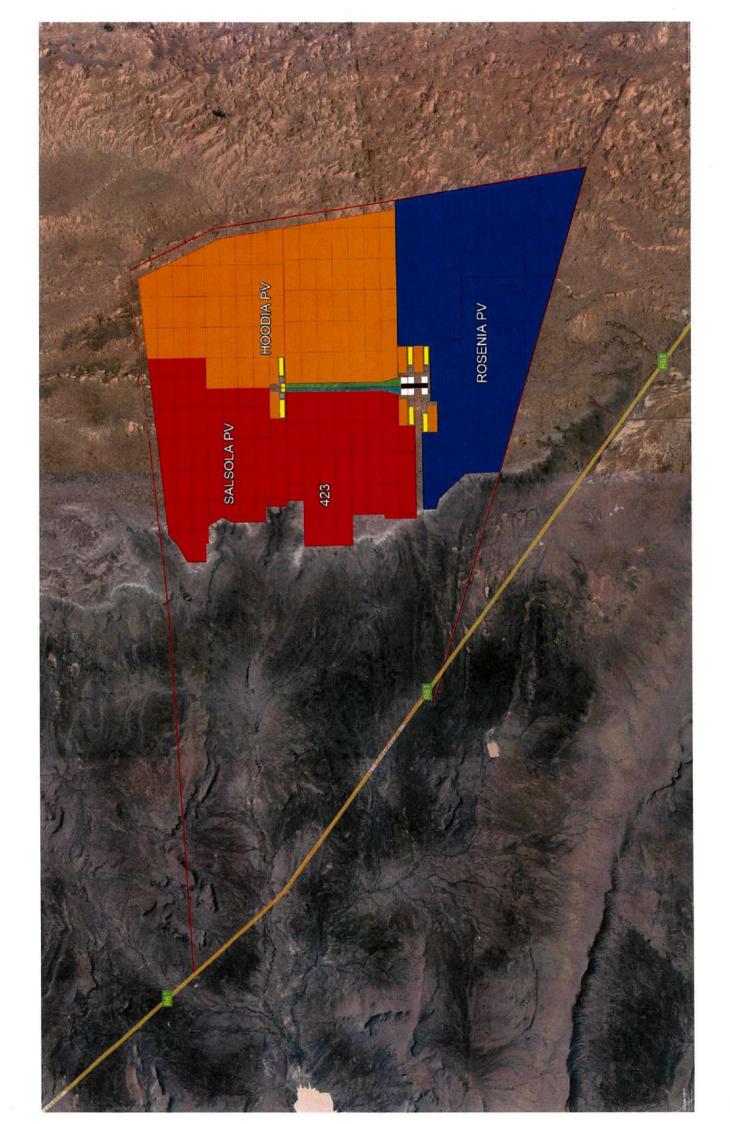
Consent to register a long-term lease and servitudes or exception thereof over the mentioned farm in favour of the developers in terms of Section 15(2) read with Section 24 of the Beaufort West Municipality: By-Law on Municipal Land Use Planning: To regulate and control municipal land use planning.

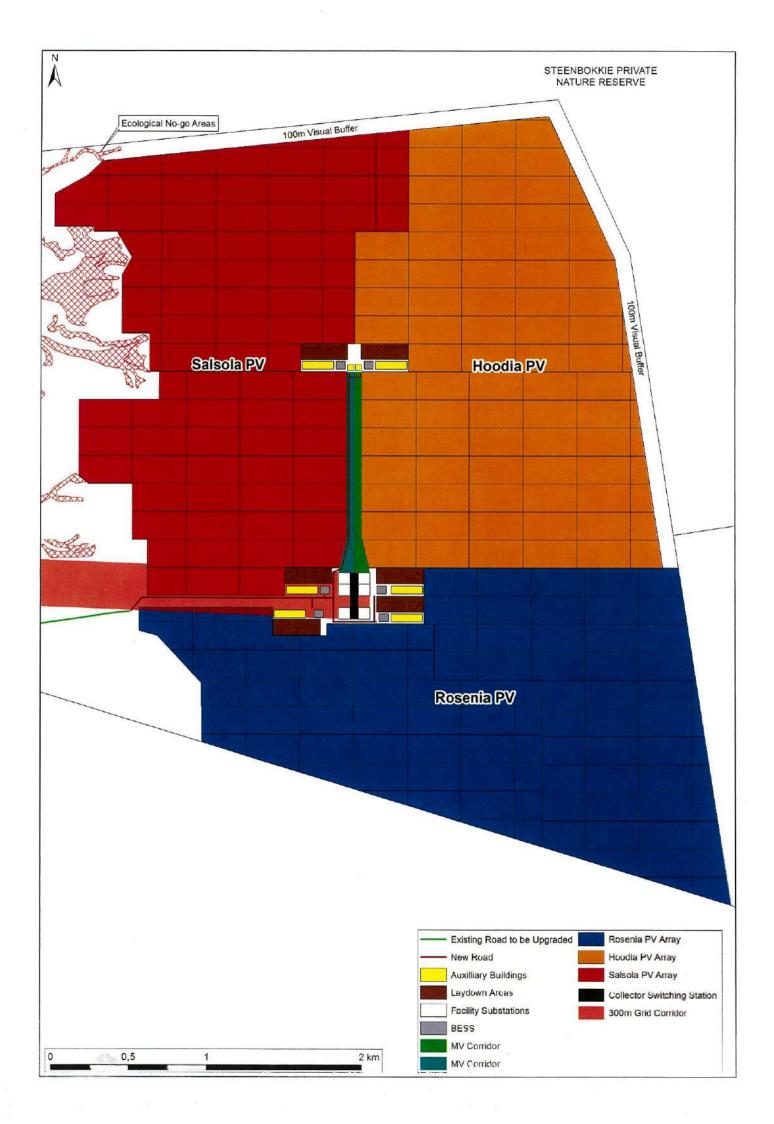
As discussed, the application property is ideally located for the proposed development and will contribute significantly to the production of green electricity, job creation and economic development.

Taking the above-mentioned into account, we believe the proposed consent use application should be encouraged and approved.

## **ANNEXURE G:**

SITE DEVELOPMENT PLAN







**ENVIRONMENTAL AUTHORISATION** 



Private Bag X 447 PRETORIA -0001 Environment House -473 Steve Biko Road, Arcadla PRETORIA

DFFE Reference: 14/12/16/3/3/1/2518
Enquirles: Mr Lunga Dlova
Telephone: (012) 399 8524 E-mail: LDlova@dffe.gov.za

Mr Anthony de Graaf Gamka PV (Pty) Ltd. 101, Block A, West Quay Building 7 West Quay Road, Waterfront CAPE TOWN. 8000

Telephone Number:

021 418 2596

Cellphone Number:

084 401 9015

Email Address:

anthony@atlanticep.com

PER EMAIL / MAIL

Dear Mr De Graaf

APPLICATION FOR ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, ACT NO. 107 OF 1998, AS AMENDED: FOR THE CONSTRUCTION OF A 120 MW PHOTOVOLTAIC (PV) SOLAR ENERGY FACILITY (KNOWN AS THE GAMKA PV) LOCATED ON THE REMAINING EXTENT (PORTION 0) OF FARM 423 APPROXIMATELY 12 KM SOUTH-EAST OF BEAUFORT WEST IN THE BEAUFORT WEST LOCAL MUNICIPALITY WITHIN THE CENTRAL KAROO DISTRICT MUNICIPALITY, WESTERN CAPE PROVINCE.

With reference to the above application, please be advised that the Department has decided to grant authorisation. The Environmental Authorisation (EA) and reasons for the decision are attached herewith.

In terms of Regulation 4(2) of the Environmental Impact Assessment Regulations, 2014, as amended (the EIA Regulations), you are instructed to notify all registered interested and affected parties, in writing and within fourteen (14) days of the date of the decision as well as the provisions regarding the submission of appeals that are contained in the Regulations.

In terms of the Promotion of Administrative Justice Act, Act No. 3 of 2000, you are entitled to the right to fair, lawful and reasonable administrative action; and to written reasons for administrative action that affects you negatively. Further your attention is drawn to the provisions of the Protection of Personal Information Act, Act No. 4 of 2013 which stipulate that the Department should conduct itself in a responsible manner when collecting, processing, storing and sharing an individual or another entity's personal information by holding the Department accountable should the Department abuse or compromise your personal information in any way.

Your attention is drawn to Chapter 2 of National Environmental Management Act, Act No. 107 of 1998 National Appeal Regulations published under Government Notice R993 in Government Gazette No. 38303 dated 08 December 2014 (National Appeal Regulations, 2014), which prescribes the appeal procedure to be followed. Kindly include a copy of this document (National Appeal Regulations, 2014) with the letter of notification to interested and affected parties in this matter.

Should any person wish to lodge an appeal against this decision, he/she must submit the appeal to the appeal administrator, and a copy of the appeal to the applicant, any registered interested and affected party, and any organ of state with interest in the matter within 20 days from the date that the notification of the decision was sent to the registered interested and affected parties by the applicant; or the date that the notification of the decision was sent to the applicant by the Department, whichever is applicable.

### Appeals must be submitted in writing in the prescribed form to:

The Director: Appeals and Legal Review of this Department at the below mentioned addresses.

By email: appeals@dffe.gov.za:

By hand: Environment House 473 Steve Biko Arcadia Pretoria

0083; or

By post: Private Bag X447

Pretoria 0001

Please note that in terms of Section 43(7) of the National Environmental Management Act, Act No. 107 of 1998, as amended, the lodging of an appeal will suspend the environmental authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged, you may not commence with the activity until such time that the appeal is finalised.

To obtain the prescribed appeal form and for guidance on the submission of appeals, please visit the Department's website at <a href="https://www.environment.gov.za/documents/forms#legal\_authorisations">https://www.environment.gov.za/documents/forms#legal\_authorisations</a> or request a copy of the documents at <a href="mailto:appeals@dffe.gov.za">appeals@dffe.gov.za</a>.

Yours faithfully

Ms Millicent Solomons

Acting Chief Director: Integrated Environmental Authorisations

Department of Forestry, Fisheries and the Environment

Date: 19/07/2022.

cc:	Abrie Van Der Merwe	H B Van der Merwe Familietrust	Email: Abrievandermerwe@yahoo.com
	Mr Danie Swanepoel	Department of Environmental Affairs and Development Planning	Email: DEADPEIAAdmin.George@westerncape.gov.za
	Denwin van Turha	Beaufort West Municipality	Email: enwint@beaufortwestmun.co.za
	Mr Dale Holder	Cape Environmental Assessment Practitioners (Cape EAPrac)	Email: dale@cape-eaprac.co.za

DFFE Reference: 14/12/16/3/3/1/2518

2



### **Environmental Authorisation**

In terms of Regulation 25 of the Environmental Impact Assessment Regulations, 2014, as amended

The construction of a 120 MW Photovoltaic (PV) Solar Energy Facility (known as The Gamka PV)

located on The Remaining Extent (Portion 0) of Farm 423 approximately 12 km South-East of Beaufort

West within the Beaufort West Local Municipality in the Western Cape Province

### Central Karoo District Municipality

Authorisation register number:	14/12/16/3/3/1/2518	
Last amended:	First issue	
Holder of authorisation:	Gamka PV (Pty) Ltd	
Location of activity:	Western Cape Province: Portion 0 of Farm 423 on Ward 02 near Beaufort West within the Beaufort West Local Municipality in the Central Karoo District Municipality.	

This authorisation does not negate the holder of the authorisation's responsibility to comply with any other statutory requirements that may be applicable to the undertaking of the activity.

### Decision

The Department is satisfied, on the basis of information available to it and subject to compliance with the conditions of this Environmental Authorisation, that the applicant should be authorised to undertake the activities specified below.

Non-compliance with a condition of this Environmental Authorisation may result in criminal prosecution or other actions provided for in the National Environmental Management Act, Act No. 107 of 1998, as amended and the EIA Regulations, 2014, as amended.

Details regarding the basis on which the Department reached this decision are set out in Annexure 1.

### **Activities authorised**

By virtue of the powers conferred on it by the National Environmental Management Act, Act No. 107 of 1998, as amended and the Environmental Impact Assessment Regulations, 2014, as amended, the Department hereby authorises –

GAMKA PV (PTY) LTD.

(hereafter referred to as the holder of the authorisation)

with the following contact details -

Mr Anthony de Graaf Gamka PV (Pty) Ltd. 101, Block A, West Quay Building 7 West Quay Road, Waterfront CAPE TOWN. 8000

Telephone Number:

021 418 2596

Cellphone Number:

084 401 9015

Email Address:

anthony@atlanticep.com

to undertake the following activities (hereafter referred to as "the activity") indicated in Listing Notice 1, Listing Notice 2 and Listing Notice 3 of the EIA Regulations, 2014 as amended:

Activity number	Activity description
GN No. R.983 - Activity 11(i):	The Gamka PV onsite substation will have a
"The development of facilities or infrastructure for the	capacity of up to 132 kilovolts.
transmission and distribution of electricity—	Up to 132 kV line between the project components
(i) outside urban areas or industrial complexes with a	and the facility substation;
capacity of more than 33 but less than 275 kilovolts;"	
GN No. R.983 - Activity 12(ii)(a) & (c):	The main access road for Gamka PV facility
"The development of -	crosses non perennial watercourses. The
(ii) infrastructure or structures with a physical footprint of	footprint of this main access road within 32m of
100 square metres or more;	the watercourse will exceed 100 square metres.
where such development occurs -	
(a) within a watercourse;	
(c) if no development setback exists, within 32 metres of	
a watercourse, measured from the edge of a	
watercourse; "	
GN No. R. 983 - Activity 19:	The main access road for Gamka PV facility
"The infilling or depositing of any material of more than	crosses a non-perennial watercourse. The
10 cubic metres into, or the dredging, excavation,	construction of this access road will require the
removal or moving of soil, sand, shells, shell grit, pebbles	movement of more than 10 cubic metres of soil
or rock of more than 10 cubic metres from a watercourse;	from within this watercourse.
but excluding where such infilling, depositing, dredging,	
excavation, removal or moving -	
(a) will occur behind a development setback;	
(b) is for maintenance purposes undertaken in	
accordance with a maintenance management plan;	
(c) falls within the ambit of activity 21 in this Notice, in	
which case that activity applies;	
(d) occurs within existing ports or harbours that will not	
increase the development footprint of the port or harbour;	
or	

(e) where such development is related to the	
development of a port or harbour, in which case activity	
26 in Listing Notice 2 of 2014 applies."	
GN No. R.983 - Activity 24 (II):	The main access road for Camka PV facility will
The development of a road—	be up to 10 metres in width.
(ii) with a reserve wider than 13,5 meters, or where no	Note that the actual driving surface of the road will
reserve exists where the road is wider than 8 metres;	be up to 8m wide, but with stormwater management infrastructure will be up to 10m wide.
GN No. R.983 - Activity 28 (ii):	The proposed Gamka PV facility is considered
"Residential, mixed, retail, commercial, industrial or	commercial / industrial use with a total footprint of
institutional developments where such land was used for	approximately 261 ha.
agriculture, game farming, equestrian purposes or	
afforestation on or after 01 April 1998 and where such	
development:	
(ii) will occur outside an urban area, where the total land	
to be developed is bigger than 1 hectare;"	
GN No. R.983 - Activity 56 (ii):	The Main access road to Gamka PV facility mainly
The widening of a road by more than 6 metres, or the	follows an existing farm access. This existing farm
lengthening of a road by more than 1 kilometre—	access will be lengthened by more than 1
(ii) where no reserve exists, where the existing road is	kilometre.
wider than 8 metres;	
GN No. R.984 - Activity 1:	The proposed Gamka PV facility will have a
"The development of facilities or infrastructure for the	generation capacity of up to 120MWac.
generation of electricity from a renewable resource	
where the electricity output is 20 megawatts or more,	
excluding where such development of facilities or	
infrastructure is for photovoltaic installations and occurs	
-	
- (a) within an urban area; or	
(a) within an urban area; or (b) on existing infrastructure."	15
	The proposed Gamka PV facility will have a total
(b) on existing infrastructure."	The proposed Gamka PV facility will have a total footprint of approximately 261 ha.

### Department of Forestry, Fisheries and the Environment Environmental Authorisation Reg. No. 14/12/16/3/3/1/2518

GN No. R.985 - Activity 4(i) - (ii)(aa):	The main access road for Gamka PV facility will
"The development of a road wider than 4 metres with a reserve less than 13,5 metres.  i. Western Cupe  ii. Areas outside urban areas; (aa) Areas containing indigenous vegetation;  (aa) Areas containing indigenous vegetation."	be up to 10m wide outside of an urban area containing indigenous vegetation.  Note that the actual driving surface of the road will be up to 8m wide, but with stormwater management infrastructure will be up to 10m wide.
GN No. R.985 – Activity 18(i) - (ii)(aa):  "The widening of a road by more than 4 metres, or the lengthening of a road by more than 1 kilometre.  i. Western Cape  ii. All areas outside urban areas:  (aa) Areas containing indigenous vegetation	The existing farm access will be widened and lengthened by more than 1km outside of an urban area.

as described in the Basic Assessment Report (BAR) dated 24 May 2022 at:

### SG 21 Code: Details of the Gamka PV Site

Farm Details	21-digit Surveyor General No.	Beaufort West Local Municipality Ward
Portion 0 of Farm 423	C00900000000042300000	02

### Coordinates of the Gamka PV Site

Layout Alternative 1 (Preferred)	Latitude	Longitude
North-West Corner	32°22'49.00"S	22°41'41.20"E
North-East Corner	32°22'34.52"S	22°43'08.22"E
South-West Corner	32°24'9.16"S	22°42'52.93"E
South-East Corner	32°24'9.17"S	22°42'55.73"E
Access Road	Latitude	Longitude
Start	32°23'57.38"S	22°40'15.49"E
Middle	32°24'22.80"S	22°41'01.51"E
End	32°23'24.75"S	22°42'54.65"E

- for the construction of a 120 MW Photovoltaic (PV) Solar Energy Facility (known as The Gamka PV) located on The Remaining Extent (Portion 0) of Farm 423 approximately 12 km South-East of Beaufort West in the

Beaufort West Local Municipality within the Central Karoo District Municipality, Western Cape Province, hereafter referred to as "the property".

### The technical details of the proposed 120 MWac Garnka PV facility are tabulated below.

	Site Details
Description and Size in hectares of the	Farm 423 (Portion 0).
affected property.	Total Property Size: 2667.0374 ha
Development Footprint	Approximately 261 ha
	echnology Details
Capacity of facility (in MW)	Net generation (contracted) capacity of up to 120 MWac
Type of technology	Solar photovoltaic (PV) technology (monofacial or bifacial)
	with fixed, single or double axis tracking mounting structures,
	as well as associated infrastructure, which will include:
	• Laydown area;
	<ul> <li>Access and Internal Road network;</li> </ul>
	<ul> <li>Auxillary buildings (33 kV switch room, gatehouse and</li> </ul>
	security, control centre, office, warehouse, canteen & visitors
	centre, staff lockers etc.);
	Facility substation;
*	<ul> <li>Inverter-stations, transformers and internal electrical</li> </ul>
	reticulation (underground cabling);
	Battery Energy Storage System (BESS);
	<ul> <li>Rainwater Tanks; and</li> </ul>
	<ul> <li>Perimeter fencing and security infrastructure.</li> </ul>
Structure height	Solar panels with a maximum height of ± 5.5 m above the
	ground
Surface area to be covered (including	Approximately 261 ha
associated infrastructure such as roads)	
Structure orientation	Fixed-tilt: north-facing at a defined angle of tilt single or double
	axis tracking: mounted in a north-south orientation, tracking
	from east to west.
	Approximately 2-5 ha laydown area will be required for the PV
Laydown area dimensions	ripproximately 2 of the legicontraction and the
Laydown area dimensions	facility (the laydown areas will not exceed 5 ha and will be

BESS	Battery Energy Storage System (BESS).
	Area: up to ± 4 ha
	Capacity: Unspecified
	fechnology: solid-state/ non-liquid type batteries.
Own	Build Grid Connection
Size and capacity of on-site substation	The maximum size of the facility substation will not exceed 1
Length and capacity of on-site power lines /	ha.
cabling.	The facility substation will collect the power from the facility and
	transform it from medium voltage (up to 33 kV) to high voltage
	(132 kV).
	The facility will include inverter-stations, transformers,
	switchgear and internal electrical reticulation (underground
	cabling) and lightning conductors up to 21 m.
'	The on-site substation will connect directly to the proposed
	Bulskop Collector Switching Station1.
Au Au	ixiliary Infrastructure
Additional Infrastructure	Auxiliary buildings of approximately 1 ha, including (but not
	limited to) a 33 kV switch room, a gate house, ablutions,
	workshops, storage and warehousing areas, site offices and a
	control centre.
	Rainwater tanks; and Electrified perimeter fencing not
	exceeding 5 m in height.
Details of access roads	The access roads will not exceed 8 m in width. The access road
	will comprise of a new road, as well as the expansion of
	sections of the existing farm road.
Details of internal roads	
Details of internal roads	up to ± 5 m, will be constructed to provide access to the various
Details of internal roads	up to $\pm$ 5 m, will be constructed to provide access to the various components of the facility.
Details of internal roads  Extent of areas required for laydown of	components of the facility.  Approximately 2-5 ha of temporary laydown areas will be
	up to $\pm$ 5 m, will be constructed to provide access to the various components of the facility.

### Conditions of this Environmental Authorisation

### Scope of authorisation

- 1. The construction of a 120 MW Photovoltaic (PV) Solar Energy Facility (known as The Gamka PV) located on The Remaining Extent (Portion 0) of Farm 423 approximately 12 km South-East of Beaufort West in the Beaufort West Local Municipality within the Central Karoo District Municipality, Western Cape Province is approved as per the geographic coordinates cited in the table above on page 05.
- Authorisation of the activity is subject to the conditions contained in this Environmental Authorisation, which form part of the Environmental Authorisation and are binding on the holder of the authorisation.
- 3. The holder of the authorisation is responsible for ensuring compliance with the conditions contained in this Environmental Authorisation. This includes any person acting on the holder's behalf, including but not limited to, an agent, servant, contractor, sub-contractor, employee, consultant or person rendering a service to the holder of the authorisation.
- 4. The activities authorised may only be carried out at the property as described above.
- 5. Any changes to, or deviations from, the project description set out in this Environmental Authorisation must be approved, in writing, by the Department before such changes or deviations may be effected. In assessing whether to grant such approval or not, the Department may request such information as it deems necessary to evaluate the significance and impacts of such changes or deviations and it may be necessary for the holder of the authorisation to apply for further Environmental Authorisation in terms of the regulations.
- 6. The holder of an Environmental Authorisation must apply for an amendment of the Environmental Authorisation with the Competent Authority for any alienation, transfer or change of ownership rights in the property on which the activity is to take place.
- 7. This activity must commence within a period of ten (10) years from the date of issue of this Environmental Authorisation. If commencement of the activity does not occur within that period, the authorisation lapses and a new application for Environmental Authorisation must be made in order for the activity to be undertaken.
- 8. Construction must be completed within five (05) years of the commencement of the activity on site.
- 9. Commencement with one activity listed in terms of this environmental authorisation constitutes commencement of all authorised activities.

### Notification of authorisation and right to appeal

10. The holder of the authorisation must notify every registered interested and affected party, in writing and within 14 (fourteen) calendar days of the date of this Environmental Authorisation, of the decision to authorise the activity.



- 11. The notification referred to must -
  - 11.1. specify the date on which the authorisation was issued;
  - 11.2. Inform the interested and affected party of the appeal procedure provided for in the National Appeal Regulations, 2014;
  - 11.3. advise the interested and affected party that a copy of the authorisation will be furnished on request, and
  - 11.4. give the reasons of the Competent Authority for the decision.

### Commencement of the activity

12. The authorised activity shall not commence until the period for the submission of appeals has lapsed as per the National Appeal Regulations, 2014, and no appeal has been lodged against the decision. In terms of Section 43(7), an appeal under Section 43 of the National Environmental Management Act, Act No. 107 of 1998, as amended will suspend the Environmental Authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged you may not commence with the activity until such time that the appeal has been finalised.

### Management of the activity

- The site layout plans as attached as Appendix A (Location and Topographical Plans) and D (Facility Layout Plans Gamka PV) of the BAR dated 24 May 2022 is approved.
- 14. The Environmental Management Programme (EMPr) submitted as part of the BAR dated 24 May 2022 is approved and must be implemented and adhered to.
- 15. The EMPr must be implemented and strictly enforced during all phases of the project. It shall be seen as a dynamic document and shall be included in all contract documentation for all phases of the development when approved.
- Changes to the approved EMPr must be submitted in accordance to the EIA Regulations applicable at the time.
- The Department reserves the right to amend the approved EMPr should any impacts that were not anticipated or covered in the BAR be discovered.

### Frequency and process of updating the EMPr

The EMPr must be updated where the findings of the environmental audit reports, contemplated in Condition 25 below, indicate insufficient mitigation of environmental impacts associated with the undertaking of the activity, or insufficient levels of compliance with the environmental authorisation or EMPr.

- The updated EMPr must contain recommendations to rectify the shortcomings identified in the environmental audit report.
- 20. The updated EMPr must be submitted to the Department for approval together with the environmental audit report, as per Regulation 34 of the EIA Regulations, 2014 as amended. The updated EMPr must have been subjected to a public participation process, which process has been agreed to by the Department, prior to submission of the updated EMPr to the Department for approval.
- 21. In assessing whether to grant approval of an EMPr which has been updated as a result of an audit, the Department will consider the processes prescribed in Regulation 35 of the EIA Regulations, 2014 as amended. Prior to approving an amended EMPr, the Department may request such amendments to the EMPr as it deems appropriate to ensure that the EMPr sufficiently provides for avoidance, management and mitigation of environmental impacts associated with the undertaking of the activity.
- 22. The holder of the authorisation must apply for an amendment of an EMPr, if such amendment is required before an audit is required. The amendment process is prescribed in Regulation 37 of the EIA Regulations, 2014, as amended. The holder of the authorisation must request comments on the proposed amendments to the impact management outcomes of the EMPr or amendments to the closure objectives of the closure plan from potentially interested and affected parties, including the competent authority, by using any of the methods provided for in the Act for a period of at least 30 days.

### Monitoring

- 23. The holder of the authorisation must appoint an experienced Environmental Control Officer (ECO) for the construction phase of the development that will have the responsibility to ensure that the mitigation/rehabilitation measures and recommendations referred to in this environmental authorisation are implemented and to ensure compliance with the provisions of the approved EMPr.
  - 23.1. The ECO must be appointed before commencement of any authorised activities.

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- 23.2. Once appointed, the name and contact details of the ECO must be submitted to the Director: Compliance Monitoring of the Department.
- 23.3. The ECO must keep record of all activities on site, problems identified, transgressions noted and a task schedule of tasks undertaken by the ECO.
- 23.4. The ECO must remain employed until all rehabilitation measures, as required for implementation due to construction damage, are completed and the site is ready for operation.

### Recording and reporting to the Department

- 24. All documentation e.g. audit/monitoring/compliance reports and notifications, required to be submitted to the Department in terms of this environmental authorisation, must be submitted to the Director. Compliance Monitoring of the Department.
- 25. The holder of the environmental authorisation must, for the period during which the environmental authorisation and EMPr remain valid, ensure that project compliance with the conditions of the environmental authorisation and the EMPr are audited, and that the audit reports are submitted to the Director: Compliance Monitoring of the Department.
- 26. The frequency of auditing and of submission of the environmental audit reports must be as per the frequency indicated in the EMPr, taking into account the processes for such auditing as prescribed in Regulation 34 of the EIA Regulations, 2014 as amended.
- 27. The holder of the authorisation must, in addition, submit environmental audit reports to the Department within 30 days of completion of the construction phase (i.e. within 30 days of site handover) and a final environmental audit report within 30 days of completion of rehabilitation activities.
- 28. The environmental audit reports must be compiled in accordance with Appendix 7 of the EIA Regulations, 2014 as amended and must indicate the date of the audit, the name of the auditor and the outcome of the audit in terms of compliance with the environmental authorisation conditions as well as the requirements of the approved EMPr.
- Records relating to monitoring and auditing must be kept on site and made available for inspection to any
  relevant and competent authority in respect of this development.

### Notification to authorities

30. A written notification of commencement must be given to the Department no later than fourteen (14) days prior to the commencement of the activity. Commencement for the purposes of this condition includes site preparation. The notice must include a date on which it is anticipated that the activity will commence, as well as a reference number.

### Operation of the activity

 A written notification of operation must be given to the Department no later than fourteen (14) days prior to the commencement of the activity operational phase.

### Site closure and decommissioning

32. Should the activity ever cease or become redundant, the holder of the authorisation must undertake the required actions as prescribed by legislation at the time and comply with all relevant legal requirements administered by any relevant and Competent Authority at that time.

### Specific conditions

- 33. The footprint of the development must be limited to the areas required for actual construction works and operational activities.
- 34. No activities will be allowed to encroach into a water resource without a water use authorisation being in place from the Department of Water and Sanitation.
- 35. Any evidence of archaeological sites or remains (e.g. remnants of stone-made structures, indigenous ceramics, bones, stone artefacts, ostrich eggshell fragments, and charcoal and ash concentrations), fossils, burials or other categories of heritage resources are found during the proposed development, work must cease in the vicinity of the find and Heritage Western Cape must be alerted immediately to determine an appropriate way forward.
- The Heritage Western Cape Chance Fossil Finds Procedure must be implemented for the duration of construction activities.
- No impact must occur to the abandoned Werf identified at BLK055 and as such, a 50m no-go buffer around this site must be implemented.
- No exotic plants may be used for rehabilitation purposes. Only indigenous plants of the area may be utilised.
- 39. Vegetation clearing must be kept to an absolute minimum. Mitigation measures as specified in the BAR dated 24 May 2022 must be implemented to reduce the risk of erosion and the invasion of alien species.
- 40. An integrated waste management approach must be implemented that is based on waste minimisation and must incorporate reduction, recycling, re-use and disposal where appropriate. Any solid waste must be disposed of at a landfill licensed in terms of Section 20 (b) of the National Environment Management Waste Act, 2008 (Act No.59 of 2008).

### General

- 41. A copy of this Environmental Authorisation, the audit and compliance monitoring reports, and the approved EMPr, must be made available for inspection and copying-
  - 41.1. at the site of the authorised activity;
  - 41.2. to anyone on request; and

- 41.3. where the holder of the Environmental Authorisation has a website, on such publicly accessible website.
- 42. National government, provincial government, local authorities or committees appointed in terms of the conditions of this authorisation or any other public authority shall not be held responsible for any damages or losses suffered by the holder of the authorisation or his/her successor in title in any instance where construction or operation subsequent to construction be temporarily or permanently stopped for reasons of non-compliance by the holder of the authorisation with the conditions of authorisation as set out in this document or any other subsequent document emanating from these conditions of authorisation.

Date of Environmental Authorisation: 19 7 2022.

Ms Millicent Solomons

Acting Chief Director: Integrated Environmental Authorisations

Department of Forestry, Fisheries and the Environment

### Annexure 1: Reasons for Decision

### 1. Information considered in making the decision

In reaching its decision, the Department took, inter alia, the following into consideration -

- a) The listed activities as applied for in the application form received on 13 April 2022.
- b) The information contained in the BAR dated 24 May 2022.
- c) The comments received from Heritage Western Cape, Department of Water and Sanitation, Eskom, Department of Environmental Affairs and Development Planning, Department of Forestry, Fisheries and the Environment and interested and affected parties as included in the BAR dated 24 May 2022.
- d) Mitigation measures as proposed in the BAR and the EMPr.
- e) The information contained in the specialist studies contained within the appendices of the BAR dated 24 May 2022 and as appears below:

Title	Prepared by	Date
Terrestrial Biodiversity	The Biodiversity Company	October 2021
Avifaunal Impact Assessment	The Biodiversity Company	April 2022
Plant Species, Animal Species, and Aquatic Biodiversity	The Biodiversity Company	October 2021
Agricultural Impact Assessment	Johan Lanz	24 February 2022
Palaeontology Impact Assessment	John Almond	September 2021
Cultural Landscape Assessment	Sarah Winter in association with Nicolas Baumann and Wendy Wilson	4 November 2021
Archaeology and Heritage	CTS Heritage	November 2021
Visual Impact Assessment	Visual Resource Management Africa cc	26 Nov 2021
Socio-Economic Impact Assessment	Tony Barbour	October 2021
Traffic Impact Assessment	JG Afrika	April 2022
Town and Regional Planning	Townscape Planning Solutions	12 April 2022
Geotechnical	BareRock Consulting	20 May 2022
EMPr	Cape EAPrac Environmental Assessment Practitioners	24 May 2022



### 2. Key factors considered in making the decision

All information presented to the Department was taken into account in the Department's consideration of the application. A summary of the issues which, in the Department's view, were of the most significance is set out below.

- a) The findings of all the specialist studies conducted and their recommended mitigation measures.
- b) The need for the proposed project stems from the provision of electricity to the national grid.
- c) The BAR dated 24 May 2022 identified all legislation and guidelines that have been considered in the preparation of the BAR.
- d) The location of the 120 MW Photovoltaic (PV) Solar Energy Facility (known as The Gamka PV).
- e) The methodology used in assessing the potential impacts identified in the BAR dated 24 May 2022 and the specialist studies have been adequately indicated.
- f) A sufficient public participation process was undertaken and the applicant has satisfied the minimum requirements as prescribed in the EIA Regulations, 2014 as amended for public involvement.

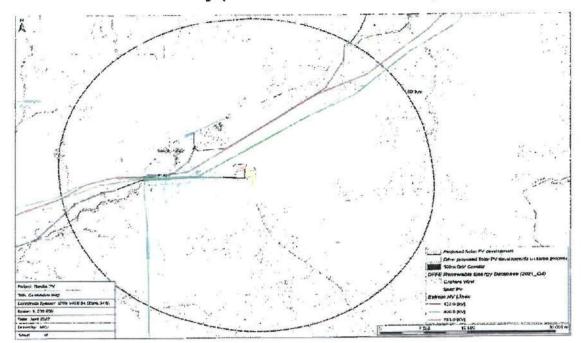
### 3. Findings

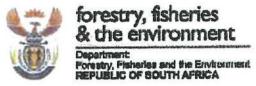
After consideration of the information and factors listed above, the Department made the following findings -

- a) The identification and assessment of impacts are detailed in the BAR dated 24 May 2022 and sufficient assessment of the key identified issues and impacts have been completed.
- b) The procedure followed for impact assessment is adequate for the decision-making process.
- c) The information contained in the BAR dated 24 May 2022 is deemed to be accurate and credible.
- d) The proposed mitigation of impacts identified and assessed adequately curtails the identified impacts.
- e) EMPr measures for the pre-construction, construction and rehabilitation phases of the development were proposed and included in the BAR and will be implemented to manage the identified environmental impacts during the construction phase.

In view of the above, the Department is satisfied that, subject to compliance with the conditions contained in the environmental authorisation, the authorised activities will not conflict with the general objectives of integrated environmental management laid down in Chapter 5 of the National Environmental Management Act, 1998 and that any potentially detrimental environmental impacts resulting from the authorised activities can be mitigated to acceptable levels. The environmental authorisation is accordingly granted.

# Annexure 2: Locality Plan: 120 MW Photovoltaic (PV) Solar Energy Facility (known as The Gamka PV)





Private Bag X447 PRETORIA 0001 Environment House · 473 Steve Biko Road, Arcedie · PRETORIA Tel(+2712) 398 9000

Enquiries: Devinagle Bendeman Telephone: 012 399 9337 E-mail: ybendeman@diffe.gov.za

Ms. Milicent Solomons
Director. Prioritized Infrastructure Projects

Dear Mrs Solomons

APPOINTMENT AS ACTING CHIEF DIRECTOR: INTEGRATED ENVIRONMENTAL AUTHORIZATIONS FOR THE PERIOD OF 25 APRIL 2022 UNTIL 31 OCTOBER 2022

I hereby inform you that I have decided to appoint you as the Acting Chief Director: Integrated Environmental Authorizations for the period of 25 April to 31 October 2022 whilst Mr Sabelo Malaza is fulfilling his temporary reassignment function at the Forestry Branch.

All the correspondence and other documents that are usually signed by the Chief Director: Integrated Environmental Authorizations must be signed under Acting Chief Director: Integrated Environmental Authorizations during the above-mentioned period.

Your appointment in the above acting position remains subject to the provisions of the Public Service Act, 1994 (Proclamation No. 103 of 1994), as amended, the Government Employees Pension Fund Act, 1996 (Proclamation No. 21 of 1996), the regulations promulgated under these Acts and relevant circulars.

In the execution of your duties and the exercising of the powers delegated to you, you will furthermore be subjected to the provisions of the Public Finance Management Act, compliance with the Promotion of Access to Information Act, Promotion of Administrative Justice Act, the Minimum Information Security Standard, Departmental Policies and other applicable legislations with the Republic of South Africa. You are therefore advised to make yourself familiar with the provisions of these legislations and policies and the amendments thereof. (Copies of Departmental policies can be obtained from the Human Resource Office).

Please accept my heartfelt gratitude for all your assistance on behalf of the department.

Yours sincerely

Ms Devinagle Bendeman

Deputy Director-General: RCSM (Regulatory Compliance and

Sector Monitoring)

Date 3

ril 2022

ACKNOWLEDGEMENT

I ACCEPT / BO NOT ACCEPT appointment as Acting Chief Director: Integrated Environmental

Authorizations Signed

Date:

2002



Private Bag X 447 PRETORIA -0001 Environment House -473 Steve Biko Road, Arcadia PRETORIA

DFFE Reference: 14/12/16/3/3/1/2519 Enquiries: Mr Lunga Diova

Telephone: (012) 399 8524 E-mail: LDlova@dffe.gov.za

Mr Anthony de Graaf Hardeveld PV (Ptv) Ltd. 101, Block A. West Quay Building 7 West Quay Road, Waterfront CAPE TOWN 8000

Telephone Number:

021 418 2596

Celiphone Number:

084 401 9015

Email Address:

anthony@atlanticep.com

PER EMAIL / MAIL

Dear Mr De Graaf

APPLICATION FOR ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, ACT NO. 107 OF 1998, AS AMENDED: FOR THE CONSTRUCTION OF A 120 MW PHOTOVOLTAIC (PV) SOLAR ENERGY FACILITY (KNOWN AS THE HARDEVELD PV) LOCATED ON THE REMAINING EXTENT (PORTION 0) OF FARM 423 APPROXIMATELY 12 KM SOUTH-EAST OF BEAUFORT WEST IN THE BEAUFORT WEST LOCAL MUNICIPALITY WITHIN THE CENTRAL KAROO DISTRICT MUNICIPALITY, WESTERN CAPE PROVINCE.

With reference to the above application, please be advised that the Department has decided to grant authorisation. The Environmental Authorisation (EA) and reasons for the decision are attached herewith.

In terms of Regulation 4(2) of the Environmental Impact Assessment Regulations, 2014, as amended (the EIA Regulations), you are instructed to notify all registered interested and affected parties, in writing and within fourteen (14) days of the date of the decision as well as the provisions regarding the submission of appeals that are contained in the Regulations.

In terms of the Promotion of Administrative Justice Act, Act No. 3 of 2000, you are entitled to the right to fair, lawful and reasonable administrative action; and to written reasons for administrative action that affects you negatively. Further your attention is drawn to the provisions of the Protection of Personal Information Act, Act No. 4 of 2013 which stipulate that the Department should conduct itself in a responsible manner when collecting, processing, storing and sharing an individual or another entity's personal information by holding the Department accountable should the Department abuse or compromise your personal information in any way.

Your attention is drawn to Chapter 2 of National Environmental Management Act, Act No. 107 of 1998 National Appeal Regulations published under Government Notice R993 in Government Cazette No. 38303 dated 08 December 2014 (National Appeal Regulations, 2014), which prescribes the appeal procedure to be followed. Kindly include a copy of this document (National Appeal Regulations, 2014) with the letter of notification to interested and affected parties in this matter.

Should any person wish to lodge an appeal against this decision, he/she must submit the appeal to the appeal administrator, and a copy of the appeal to the applicant, any registered interested and affected party, and any organ of state with interest in the matter within 20 days from the date that the notification of the decision was sent to the registered interested and affected parties by the applicant; or the date that the notification of the decision was sent to the applicant by the Department, whichever is applicable.

## Appeals must be submitted in writing in the prescribed form to:

The Director: Appeals and Legal Review of this Department at the below mentioned addresses.

By email: <a href="mailto:appeals@dffe.gov.za">appeals@dffe.gov.za</a>;

By hand: Environment House 473 Steve Biko Arcadia Pretoria

0083; or

By post: Private Bag X447

Pretoria 0001

Please note that in terms of Section 43(7) of the National Environmental Management Act, Act No. 107 of 1998, as amended, the lodging of an appeal will suspend the environmental authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged, you may not commence with the activity until such time that the appeal is finalised.

To obtain the prescribed appeal form and for guidance on the submission of appeals, please visit the Department's website at <a href="https://www.environment.gov.za/documents/forms#legal\_authorisations">https://www.environment.gov.za/documents/forms#legal\_authorisations</a> or request a copy of the documents at <a href="mailto:appeals@dffe.gov.za">appeals@dffe.gov.za</a>.

Yours faithfully

Ms Millicent Solomons

Acting Chief Director: Integrated Environmental Authorisations

Department of Forestry, Fisheries and the Environment

Date: 20/07/2022.

CC:	Abrie Van Der Merwe	H B Van der Merwe Familietrust	Email: Abrievandermerwe@yahoo.com		
	Mr Danie Swanepoel	Department of Environmental Affairs and Development Planning			
	Denwin van Turha	Beaufort West Municipality	Email: enwint@beaufortwestmun.co.za		
	Mr Dale Holder	Cape Environmental Assessment Practitioners (Cape EAPrac)	Email: dale@cape-eaprac.co.za		

DFFE Reference: 14/12/16/3/3/1/2519



## **Environmental Authorisation**

In terms of Regulation 25 of the Environmental Impact Assessment Regulations, 2014, as amended

The construction of a 120 MW Photovoltaic (PV) Solar Energy Facility (known as The Hardeveld PV)

located on The Remaining Extent (Portion 0) of Farm 423 approximately 12 km South-East of Beaufort

West within the Beaufort West Local Municipality in the Western Cape Province

## Central Karoo District Municipality

Authorisation register number:	14/12/16/3/3/1/2519			
Last amended:	First issue			
Holder of authorisation:	Hardeveld PV (Pty) Ltd			
Location of activity:	Western Cape Province: Portion 0 of Farm 423 on Ward 02 near Beaufort West within the Beaufort West Local Municipality in the Central Karoo District Municipality.			

This authorisation does not negate the holder of the authorisation's responsibility to comply with any other statutory requirements that may be applicable to the undertaking of the activity.

## Decision

The Department is satisfied, on the basis of information available to it and subject to compliance with the conditions of this Environmental Authorisation, that the applicant should be authorised to undertake the activities specified below.

Non-compliance with a condition of this Environmental Authorisation may result in criminal prosecution or other actions provided for in the National Environmental Management Act, Act No. 107 of 1998, as amended and the EIA Regulations, 2014, as amended.

Details regarding the basis on which the Department reached this decision are set out in Annexure 1.

## **Activities authorised**

By virtue of the powers conferred on it by the National Environmental Management Act, Act No. 107 of 1998, as amended and the Environmental Impact Assessment Regulations, 2014, as amended, the Department hereby authorises –

HARDEVELD PV (PTY) LTD.

(hereafter referred to as the holder of the authorisation)

with the following contact details -

Mr Anthony de Graaf Hardeveld PV (Pty) Ltd. 101, Block A, West Quay Building 7 West Quay Road, Waterfront CAPE TOWN. 8000

Telephone Number:

021 418 2596

Cellphone Number:

084 401 9015

Email Address:

anthony@atlanticep.com

to undertake the following activities (hereafter referred to as "the activity") indicated in Listing Notice 1, Listing Notice 2 and Listing Notice 3 of the EIA Regulations, 2014 as amended:

Activity number	Activity description
GN No. R.983 - Activity 11(i):	The Hardeveld PV onsite substation will have a
"The development of facilities or infrastructure for the	capacity of up to 132 kilovolts.
transmission and distribution of electricity—	An up to 132 kV powerline between the project
(i) outside urban areas or industrial complexes with a	components and the facility substation.
capacity of more than 33 but less than 275 kilovolts;"	
GN No. R.983 - Activity 12(ii)(a) & (c):	The main access road for Hardeveld PV facility
"The development of -	crosses non perennial watercourses. The
(ii) infrastructure or structures with a physical footprint of	footprint of this main access road within 32m of
100 square metres or more;	the watercourse will exceed 100 square metres.
where such development occurs -	
(a) within a watercourse;	
(c) If no development setback exists, within 32 metres of	
a watercourse, measured from the edge of a	
watercourse; "	
GN No. R. 983 - Activity 19:	The main access road for Hardeveld PV facility
"The infilling or depositing of any material of more than	crosses non perennial watercourses. The
10 cubic metres into, or the dredging, excavation,	construction of this access road will require the
removal or moving of soil, sand, shells, shell grit, pebbles	movement of more than 10 cubic metres of soil
or rock of more than 10 cubic metres from a watercourse;	from within this watercourse.
but excluding where such infilling, depositing, dredging,	
excavation, removal or moving -	
(a) will occur behind a development setback;	
(b) is for maintenance purposes undertaken in	
accordance with a maintenance management plan;	
(c) falls within the ambit of activity 21 in this Notice, in	
which case that activity applies;	
(d) occurs within existing ports or harbours that will not	
increase the development footprint of the port or harbour;	
or	

Environmental Authorisation Reg	. NO. 14/12/10/3/3/1/2018
(e) where such development is related to the	
development of a port or harbour, in which case activity	
26 in Listing Notice 2 of 2014 applies."	
GN No. R.983 - Activity 24 (II):	The main access road for Hardeveld PV facility
The development of a road—	will up to 10 metres in width.
(ii) with a reserve wider than 13,5 meters, or where no	
reserve exists where the road is wider than 8 metres;	
GN No. R.983 - Activity 28 (ii):	The proposed Hardeveld PV facility is
"Residential, mixed, retail, commercial, industrial or	considered commercial / industrial use with a
institutional developments where such land was used for	total footprint of approximately 242 ha.
agriculture, game farming, equestrian purposes or	
afforestation on or after 01 April 1998 and where such	
development:	
(ii) will occur outside an urban area, where the total land	
to be developed is bigger than 1 hectare;"	
GN No. R.983 - Activity 56 (ii):	The Main access road to Hardeveld PV follows
The widening of a road by more than 6 metres, or the	an existing farm access. This existing farm
lengthening of a road by more than 1 kilometre—	access will be lengthened by more than 1
(ii) where no reserve exists, where the existing road is	kilometre.
wider than 8 metres;	
GN No. R.984 - Activity 1:	The proposed Hardeveld PV will have a
"The development of facilities or infrastructure for the	generation capacity of up to 120MWac.
generation of electricity from a renewable resource	
where the electricity output is 20 megawatts or more,	
excluding where such development of facilities or	
infrastructure is for photovoltaic installations and occurs	
-	
(a) within an urban area; or	
(b) on existing infrastructure."	
GN No. R.984 - Activity 15:	The proposed Hardeveld PV will have a total
"The clearance of an area of 20 hectares or more of	footprint of approximately 242 ha.
indigenous vegetation	

## Department of Forestry, Fisheries and the Environment Environmental Authorisation Reg. No. 14/12/16/3/3/1/2519

GN No. R.985 - Activity 4(i) - (ii)(aa):	The main access road for Hardeveld PV will be
"The development of a road wider than 4 metres with a	up to 10m wide outside of an urban area
reserve less than 13,5 metres.	containing indigenous vegetation.
i. Western Cape	
ii. Areas outside urban areas; (aa) Areas containing	
indigenous vegetation;	
(aa) Areas containing indigenous vegetation."	
GN No. R.985 – Activity 18(i) - (ii)(aa):	The existing farm access will be widened and
"The widening of a road by more than 4 metres, or the	lengthened by more than 1km outside of an
lengthening of a road by more than 1 kilometre.	urban area.
i. Western Cape	
ii. All areas outside urban areas:	
(aa) Areas containing indigenous vegetation	

as described in the Basic Assessment Report (BAR) dated 24 May 2022 at:

## SG 21 Code: Details of the Hardeveld PV Site

Farm Details	21-digit Surveyor General No.	Beaufort West Local Municipality Ward		
Portion 0 of Farm 423	C00900000000042300000	02		

## Coordinates of the Hardeveld PV Site

Layout Alternative 1 (Preferred)	Latitude	Longitude
North-West Corner	32°22'34.64"S	22°43'8.17"E
North-East Comer	32°22'31.09"S	22°43'42.61"E
South-West Corner	32°24'09.19"S	22°42'57.89"E
South-East Corner	32°24'09.11"S	22°43'00.74"E
Access Road	Latitude	Longitude
Start	32°23'57.38"S	22°40'15.49"E
Middle	32°24'22.80"\$	22°41'01.51"E
End	32°23'25.01"S	22°42'57.49"E

- for the construction of a 120 MW Photovoltaic (PV) Solar Energy Facility (known as The Hardeveld PV) located on The Remaining Extent (Portion 0) of Farm 423 approximately 12 km South-East of Beaufort West in the Beaufort West Local Municipality within the Central Karoo District Municipality, Western Cape Province, hereafter referred to as "the property".

## The technical details of the proposed 120 MWac Hardeveld PV facility are tabulated below.

	Site Details		
Description and Size in hectares of the	Farm 423 (Portion 0).		
affected property.	Total Property Size: 2667.0374 ha		
Development Footprint	Approximately 242ha		
Te	chnology Details		
Capacity of facility (in MW)	Net generation (contracted) capacity of up to 120 MWac		
Type of technology	Solar photovoltaic (PV) technology (monofacial or bifacial)		
	with fixed, single or double axis tracking mounting structures,		
	as well as associated infrastructure, which will include:		
	- Laydown area;		
	<ul> <li>Access and Internal Road network;</li> </ul>		
	· Auxiliary buildings (33 kV switch room, gatehouse and		
	security, control centre, office, warehouse, canteen & visitors		
	centre, staff lockers etc.);		
	Facility substation;		
	· Inverter-stations, transformers and internal electrical		
	reticulation (underground cabling);		
	Battery Energy Storage System (BESS);		
	Rainwater Tanks; and		
	Perimeter fencing and security infrastructure.		
Structure height	Solar panels with a maximum height of ± 5.5 m above the		
	ground		
Surface area to be covered (including	Approximately 242ha		
associated infrastructure such as roads)			
Structure orientation	Fixed-tilt: north-facing at a defined angle of tilt single or double		
	axis tracking: mounted in a north-south orientation, tracking		
	from east to west.		

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Laydown area dimensions	norisation Reg. No. 14/12/16/3/3/1/2519 Approximately 2-5 ha laydown area will be required for the PV
	facility (the laydown areas will not exceed 5 ha and will be
	situated within the assessed footprint).
BESS	Battery Energy Storage System (BESS).
	Area: up to ± 4 ha
	Capacity: Unspecified
	Technology: solid-state/ non-liquid type batteries.
Own-E	Build Grid Connection
Size and capacity of on-site substation	The maximum size of the facility substation will not exceed 1
Length and capacity of on-site power lines /	ha.
cabling.	The facility substation will collect the power from the facility
	and transform it from medium voltage (up to 33 kV) to high
	voltage (132 kV).
	The facility will include inverter-stations, transformers,
	switchgear and internal electrical reticulation (underground
	cabling) and lightning conductors up to 21 m.
	The on-site substation will connect directly to the proposed
	Bulskop Collector Switching Station.
Aux	iliary Infrastructure
Additional Infrastructure	Auxiliary buildings of approximately 1 ha, including (but not
	limited to) a 33 kV switch room, a gate house, ablutions,
	workshops, storage and warehousing areas, site offices and
	a control centre.
	Rainwater tanks; and Electrified perimeter fencing not
	exceeding 5 m in height.
Details of access roads	The access roads will not exceed 8 m in width. The access
	road will comprise of a new road, as well as the expansion of
	sections of the existing farm road.
Details of internal roads	A network of gravel internal access roads, each with a width
	of up to $\pm$ 5 m, will be constructed to provide access to the
	various components of the facility.
Extent of areas required for laydown of	Approximately 2-5 ha of temporary laydown areas will be
materials and equipment	required (laydown areas will not exceed 5 ha). A permanent

laydown	area	of	а	maximum	of	а	1	ha	will	remain	for
operation	15.										

## Conditions of this Environmental Authorisation

## Scope of authorisation

- 1. The construction of a 120 MW Photovoltaic (PV) Solar Energy Facility (known as The Hardeveld PV) located on the Remaining Extent (Portion 0) of Farm 423 approximately 12 km South-East of Beaufort West in the Beaufort West Local Municipality within the Central Karoo District Municipality, Western Cape Province is approved as per the geographic coordinates cited in the table above on page 05.
- Authorisation of the activity is subject to the conditions contained in this Environmental Authorisation, which form part of the Environmental Authorisation and are binding on the holder of the authorisation.
- 3. The holder of the authorisation is responsible for ensuring compliance with the conditions contained in this Environmental Authorisation. This includes any person acting on the holder's behalf, including but not limited to, an agent, servant, contractor, sub-contractor, employee, consultant or person rendering a service to the holder of the authorisation.
- 4. The activities authorised may only be carried out at the property as described above.
- 5. Any changes to, or deviations from, the project description set out in this Environmental Authorisation must be approved, in writing, by the Department before such changes or deviations may be effected. In assessing whether to grant such approval or not, the Department may request such information as it deems necessary to evaluate the significance and impacts of such changes or deviations and it may be necessary for the holder of the authorisation to apply for further Environmental Authorisation in terms of the regulations.
- 6. The holder of an Environmental Authorisation must apply for an amendment of the Environmental Authorisation with the Competent Authority for any alienation, transfer or change of ownership rights in the property on which the activity is to take place.
- 7. This activity must commence within a period of ten (10) years from the date of issue of this Environmental Authorisation. If commencement of the activity does not occur within that period, the authorisation lapses and a new application for Environmental Authorisation must be made in order for the activity to be undertaken.
- 8. Construction must be completed within five (05) years of the commencement of the activity on site.
- Commencement with one activity listed in terms of this environmental authorisation constitutes commencement of all authorised activities.

## Notification of authorisation and right to appeal

- 10. The holder of the authorisation must notify every registered interested and affected party, in writing and within 14 (fourteen) calendar days of the date of this Environmental Authorisation, of the decision to authorise the activity.
- 11. The notification referred to must -
  - 11.1. specify the date on which the authorisation was issued;
  - 11.2. inform the interested and affected party of the appeal procedure provided for in the National Appeal Regulations, 2014;
  - 11.3. advise the interested and affected party that a copy of the authorisation will be furnished on request;
    and
  - 11.4. give the reasons of the Competent Authority for the decision.

#### Commencement of the activity

12. The authorised activity shall not commence until the period for the submission of appeals has lapsed as per the National Appeal Regulations, 2014, and no appeal has been lodged against the decision. In terms of Section 43(7), an appeal under Section 43 of the National Environmental Management Act, Act No. 107 of 1998, as amended will suspend the Environmental Authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged you may not commence with the activity until such time that the appeal has been finalised.

## Management of the activity

- The site layout plans as attached as Appendix A (Location and Topographical Plans) and D (Facility Layout Plans Hardeveld PV) of the BAR dated 24 May 2022 is approved.
- 14. The Environmental Management Programme (EMPr) submitted as part of the BAR dated 24 May 2022 is approved and must be implemented and adhered to.
- 15. The EMPr must be implemented and strictly enforced during all phases of the project. It shall be seen as a dynamic document and shall be included in all contract documentation for all phases of the development when approved.
- 16. Changes to the approved EMPr must be submitted in accordance to the EIA Regulations applicable at the time.
- The Department reserves the right to amend the approved EMPr should any impacts that were not anticipated or covered in the BAR be discovered.



## Frequency and process of updating the EMPr

- 18. The EMPr must be updated where the findings of the environmental audit reports, contemplated in Condition 25 below, Indicate insufficient mitigation of environmental impacts associated with the undertaking of the activity, or insufficient levels of compliance with the environmental authorisation or EMPr.
- The updated EMPr must contain recommendations to rectify the shortcomings identified in the environmental audit report.
- 20. The updated EMPr must be submitted to the Department for approval together with the environmental audit report, as per Regulation 34 of the EIA Regulations, 2014 as amended. The updated EMPr must have been subjected to a public participation process, which process has been agreed to by the Department, prior to submission of the updated EMPr to the Department for approval.
- 21. In assessing whether to grant approval of an EMPr which has been updated as a result of an audit, the Department will consider the processes prescribed in Regulation 35 of the EIA Regulations, 2014 as amended. Prior to approving an amended EMPr, the Department may request such amendments to the EMPr as it deems appropriate to ensure that the EMPr sufficiently provides for avoidance, management and mitigation of environmental impacts associated with the undertaking of the activity.
- 22. The holder of the authorisation must apply for an amendment of an EMPr, if such amendment is required before an audit is required. The amendment process is prescribed in Regulation 37 of the EIA Regulations, 2014, as amended. The holder of the authorisation must request comments on the proposed amendments to the impact management outcomes of the EMPr or amendments to the closure objectives of the closure plan from potentially interested and affected parties, including the competent authority, by using any of the methods provided for in the Act for a period of at least 30 days.

#### Monitoring

- 23. The holder of the authorisation must appoint an experienced Environmental Control Officer (ECO) for the construction phase of the development that will have the responsibility to ensure that the mitigation/rehabilitation measures and recommendations referred to in this environmental authorisation are implemented and to ensure compliance with the provisions of the approved EMPr.
  - 23.1. The ECO must be appointed before commencement of any authorised activities.
  - 23.2. Once appointed, the name and contact details of the ECO must be submitted to the Director: Compliance Monitoring of the Department.
  - 23.3. The ECO must keep record of all activities on site, problems identified, transgressions noted and a task schedule of tasks undertaken by the ECO.

23.4. The ECO must remain employed until all rehabilitation measures, as required for implementation due to construction damage, are completed and the site is ready for operation.

## Recording and reporting to the Department

- 24. All documentation e.g. audit/monitoring/compliance reports and notifications, required to be submitted to the Department in terms of this environmental authorisation, must be submitted to the Director: Compliance Monitoring of the Department.
- 25. The holder of the environmental authorisation must, for the period during which the environmental authorisation and EMPr remain valid, ensure that project compliance with the conditions of the environmental authorisation and the EMPr are audited, and that the audit reports are submitted to the Director: Compliance Monitoring of the Department.
- 26. The frequency of auditing and of submission of the environmental audit reports must be as per the frequency indicated in the EMPr, taking into account the processes for such auditing as prescribed in Regulation 34 of the EIA Regulations, 2014 as amended.
- 27. The holder of the authorisation must, in addition, submit environmental audit reports to the Department within 30 days of completion of the construction phase (i.e. within 30 days of site handover) and a final environmental audit report within 30 days of completion of rehabilitation activities.
- 28. The environmental audit reports must be compiled in accordance with Appendix 7 of the EIA Regulations, 2014 as amended and must indicate the date of the audit, the name of the auditor and the outcome of the audit in terms of compliance with the environmental authorisation conditions as well as the requirements of the approved EMPr.
- Records relating to monitoring and auditing must be kept on site and made available for inspection to any
  relevant and competent authority in respect of this development.

#### Notification to authorities

30. A written notification of commencement must be given to the Department no later than fourteen (14) days prior to the commencement of the activity. Commencement for the purposes of this condition includes site preparation. The notice must include a date on which it is anticipated that the activity will commence, as well as a reference number.

## Operation of the activity

31. A written notification of operation must be given to the Department no later than fourteen (14) days prior to the commencement of the activity operational phase.



#### Site closure and decommissioning

32. Should the activity ever cease or become redundant, the holder of the authorisation must undertake the required actions as prescribed by legislation at the time and comply with all relevant legal requirements administered by any relevant and Competent Authority at that time.

#### Specific conditions

- 33. The footprint of the development must be limited to the areas required for actual construction works and operational activities.
- 34. No activities will be allowed to encroach into a water resource without a water use authorisation being in place from the Department of Water and Sanitation.
- 35. Any evidence of archaeological sites or remains (e.g. remnants of stone-made structures, indigenous ceramics, bones, stone artefacts, ostrich eggshell fragments, and charcoal and ash concentrations), fossils, burials or other categories of heritage resources are found during the proposed development, work must cease in the vicinity of the find and Heritage Western Cape must be alerted immediately to determine an appropriate way forward.
- The Heritage Western Cape Chance Fossil Finds Procedure must be implemented for the duration of construction activities.
- 37. No impact must occur to the abandoned Werf identified at BLK055 and as such, a 50m no-go buffer around this site must be implemented.
- 38. No exotic plants may be used for rehabilitation purposes. Only indigenous plants of the area may be utilised.
- 39. Vegetation clearing must be kept to an absolute minimum. Mitigation measures as specified in the BAR dated 24 May 2022 must be implemented to reduce the risk of erosion and the invasion of alien species.
- 40. An integrated waste management approach must be implemented that is based on waste minimisation and must incorporate reduction, recycling, re-use and disposal where appropriate. Any solid waste must be disposed of at a landfill licensed in terms of Section 20 (b) of the National Environment Management Waste Act, 2008 (Act No.59 of 2008).

## General

- 41. A copy of this Environmental Authorisation, the audit and compliance monitoring reports, and the approved EMPr, must be made available for inspection and copying-
  - 41.1. at the site of the authorised activity;
  - 41.2. to anyone on request; and

- 41.3. where the holder of the Environmental Authorisation has a website, on such publicly accessible website.
- 42. National government, provincial government, local authorities or committees appointed in terms of the conditions of this authorisation or any other public authority shall not be held responsible for any damages or losses suffered by the holder of the authorisation or his/her successor in title in any instance where construction or operation subsequent to construction be temporarily or permanently stopped for reasons of non-compliance by the holder of the authorisation with the conditions of authorisation as set out in this document or any other subsequent document emanating from these conditions of authorisation.

Date of Environmental Authorisation: 20 01 2002.

Ms Millicent Solomons

Acting Chief Director: Integrated Environmental Authorisations

Department of Forestry, Fisheries and the Environment

# Annexure 1: Reasons for Decision

## 1. Information considered in making the decision

In reaching its decision, the Department took, inter alia, the following into consideration -

- The listed activities as applied for in the application form received on 13 April 2022.
- b) The information contained in the BAR dated 24 May 2022.
- c) The comments received from Heritage Western Cape, Department of Water and Sanitation, Eskorn, Department of Environmental Affairs and Development Planning, Department of Forestry, Fisheries and the Environment and interested and affected parties as included in the BAR dated 24 May 2022.
- d) Mitigation measures as proposed in the BAR and the EMPr.
- e) The information contained in the specialist studies contained within the appendices of the BAR dated 24 May 2022 and as appears below:

Title	Prepared by	Date >	
Terrestrial Biodiversity	The Biodiversity Company	October 2021	
Avifaunal Impact Assessment	The Biodiversity Company	April 2022	
Plant Species, Animal Species, and Aquatic Biodiversity	The Biodiversity Company	October 2021	
Agricultural Impact Assessment	Johan Lanz	24 February 2022	
Palaeontology Impact Assessment	John Almond	September 2021	
Cultural Landscape Assessment	Sarah Winter in association with Nicolas Baumann and Wendy Wilson	4 November 2021	
Archaeology and Heritage	CTS Heritage	November 2021	
Visual Impact Assessment	Visual Resource Management Africa cc	26 Nov 2021	
Socio-Economic Impact Assessment	Tony Barbour	October 2021	
Traffic Impact Assessment	JG Afrika	April 2022	
Town and Regional Planning	Townscape Planning Solutions	12 April 2022	
Geotechnical	BareRock Consulting	20 May 2022	
EMPr	Cape EAPrac Environmental Assessment Practitioners	24 May 2022	

## 2. Key factors considered in making the decision

All information presented to the Department was taken into account in the Department's consideration of the application. A summary of the Issues which, in the Department's view, were of the most significance is set out below.

- The findings of all the specialist studies conducted and their recommended mitigation measures.
- b) The need for the proposed project stems from the provision of electricity to the national grid.
- c) The BAR dated 24 May 2022 identified all legislation and guidelines that have been considered in the preparation of the BAR.
- d) The location of the 120 MW Photovoltaic (PV) Solar Energy Facility (known as The Hardeveld PV).
- e) The methodology used in assessing the potential impacts identified in the BAR dated 24 May 2022 and the specialist studies have been adequately indicated.
- f) A sufficient public participation process was undertaken and the applicant has satisfied the minimum requirements as prescribed in the EIA Regulations, 2014 as amended for public involvement.

## 3. Findings

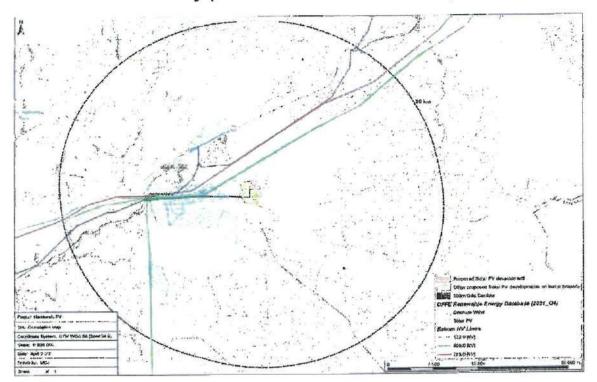
After consideration of the information and factors listed above, the Department made the following findings -

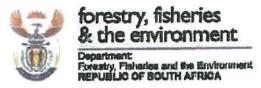
- a) The identification and assessment of impacts are detailed in the BAR dated 24 May 2022 and sufficient assessment of the key identified issues and impacts have been completed.
- b) The procedure followed for impact assessment is adequate for the decision-making process.
- c) The information contained in the BAR dated 24 May 2022 is deemed to be accurate and credible.
- d) The proposed mitigation of impacts identified and assessed adequately curtails the identified impacts.
- e) EMPr measures for the pre-construction, construction and rehabilitation phases of the development were proposed and included in the BAR and will be implemented to manage the identified environmental impacts during the construction phase.

In view of the above, the Department is satisfied that, subject to compliance with the conditions contained in the environmental authorisation, the authorised activities will not conflict with the general objectives of integrated environmental management laid down in Chapter 5 of the National Environmental Management Act, 1998 and that any potentially detrimental environmental impacts resulting from the authorised activities can be mitigated to acceptable levels. The environmental authorisation is accordingly granted.



# Annexure 2: Locality Plan: 120 MW Photovoltaic (PV) Solar Energy Facility (known as The Hardeveld PV)





Private Bag X447 PRETORIA 0001 Environment House · 473 Steva Biko Road, Arcadia: PRE | ORIA Tel[+27 12] 398 9000

Enquiries: Devinagie Bendeman Telephone: 012 399 9337 E-mail: vbondeman@dife.gov.za

Ms. Milicent Solomons
Director. Prioritized Infrastructure Projects

Dear Mrs Solomons

APPOINTMENT AS ACTING CHIEF DIRECTOR: INTEGRATED ENVIRONMENTAL AUTHORIZATIONS FOR THE PERIOD OF 25 APRIL 2022 UNTIL 31 OCTOBER 2022

I hereby inform you that I have decided to appoint you as the Acting Chief Director: Integrated Environmental Authorizations for the period of 25 April to 31 October 2022 whilst Mr Sabelo Mataza is fulfilling his temporary reassignment function at the Forestry Branch.

All the correspondence and other documents that are usually signed by the Chief Director: Integrated Environmental Authorizations must be signed under Acting Chief Director: Integrated Environmental Authorizations during the above-mentioned period.

Your appointment in the above acting position remains subject to the provisions of the Public Service Act, 1994 (Proclamation No. 103 of 1994), as amended, the Government Employees Pension Fund Act, 1996 (Proclamation No. 21 of 1996), the regulations promulgated under these Acts and relevant circulars.

In the execution of your duties and the exercising of the powers delegated to you, you will furthermore be subjected to the provisions of the Public Finance Management Act, compliance with the Promotion of Access to Information Act, Promotion of Administrative Justice Act, the Minimum Information Security Standard, Departmental Policies and other applicable legislations with the Republic of South Africa. You are therefore advised to make yourself familiar with the provisions of these legislations and policies and the amendments thereof. (Copies of Departmental policies can be obtained from the Human Resource Office).

Please accept my heartfelt gratitude for all your assistance on behalf of the department.

Yours sincerely

Ms Devinagle Bendeman

Deputy Director-General: RCSM (Regulatory Compliance and

Sector Monitoring)

Date 20 F

**ACKNOWLEDGEMENT** 

I ACCEPT / DO NOT ACCEPT appointment as Acting Chief Director: Integrated Environmental

Authorizations

Signed

Date:

20/04/2002



Private Bag X 447 PRETORIA -0001 Environment House -473 Steve Biko Road, Arcadia PRETORIA

DFFE Reference: 14/12/16/3/3/1/2520 Enquiries: Mr Lunga Dlova

Telephone: (012) 399 8524 E-mail: LDlova@dffe.gov.za

Mr Anthony de Graaf Hoodia PV (Pty) Ltd. 101, Block A, West Quay Building 7 West Quay Road, Waterfront CAPE TOWN 8000

Telephone Number:

021 418 2596

Celiphone Number:

084 401 9015

Email Address:

anthony@atlanticep.com

PER EMAIL / MAIL

Dear Mr De Graaf

APPLICATION FOR ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, ACT NO. 107 OF 1998, AS AMENDED: FOR THE CONSTRUCTION OF A 120 MW PHOTOVOLTAIC (PV) SOLAR ENERGY FACILITY (KNOWN AS THE HOODIA PV) LOCATED ON THE REMAINING EXTENT (PORTION 0) OF FARM 423 APPROXIMATELY 12 KM SOUTH-EAST OF BEAUFORT WEST IN THE BEAUFORT WEST LOCAL MUNICIPALITY WITHIN THE CENTRAL KAROO DISTRICT MUNICIPALITY, WESTERN CAPE PROVINCE.

With reference to the above application, please be advised that the Department has decided to grant authorisation. The Environmental Authorisation (EA) and reasons for the decision are attached herewith.

In terms of Regulation 4(2) of the Environmental Impact Assessment Regulations, 2014, as amended (the EIA Regulations), you are instructed to notify all registered interested and affected parties, in writing and within fourteen (14) days of the date of the decision as well as the provisions regarding the submission of appeals that are contained in the Regulations.

In terms of the Promotion of Administrative Justice Act, Act No. 3 of 2000, you are entitled to the right to fair, lawful and reasonable administrative action; and to written reasons for administrative action that affects you negatively. Further your attention is drawn to the provisions of the Protection of Personal Information Act, Act No. 4 of 2013 which stipulate that the Department should conduct itself in a responsible manner when collecting, processing, storing and sharing an individual or another entity's personal information by holding the Department accountable should the Department abuse or compromise your personal information in any way.

Your attention is drawn to Chapter 2 of National Environmental Management Act, Act No. 107 of 1998 National Appeal Regulations published under Government Notice R993 in Government Gazette No. 38303 dated 08 December 2014 (National Appeal Regulations, 2014), which prescribes the appeal procedure to be followed. Kindly include a copy of this document (National Appeal Regulations, 2014) with the letter of notification to interested and affected parties in this matter.

Should any person wish to lodge an appeal against this decision, he/she must submit the appeal to the appeal administrator, and a copy of the appeal to the applicant, any registered interested and affected party, and any organ of state with interest in the matter within 20 days from the date that the notification of the decision was sent to the registered interested and affected parties by the applicant; or the date that the notification of the decision was sent to the applicant by the Department, whichever is applicable

## Appeals must be submitted in writing in the prescribed form to:

The Director: Appeals and Legal Review of this Department at the below mentioned addresses.

By email: appeals@dffe.gov.za;

By hand: Environment House

473 Steve Biko Arcadia Pretoria 0083; or

By post: Private Bag X447

Pretoria 0001

Please note that in terms of Section 43(7) of the National Environmental Management Act, Act No. 107 of 1998, as amended, the lodging of an appeal will suspend the environmental authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged, you may not commence with the activity until such time that the appeal is finalised.

To obtain the prescribed appeal form and for guidance on the submission of appeals, please visit the Department's website at <a href="https://www.environment.gov.za/documents/forms#legal\_authorisations">https://www.environment.gov.za/documents/forms#legal\_authorisations</a> or request a copy of the documents at <a href="mailto:appeals@dffe.gov.za">appeals@dffe.gov.za</a>.

Yours faithfully

Ms Millicent Solomons

Acting Chief Director: Integrated Environmental Authorisations

Department of Forestry, Fisheries and the Environment

Date: 2007 2022.

CC:	Abrie Van Der Merwe	H B Van der Merwe Familietrust	Email: Abrievandermerwe@yahoo.com
	Mr Danie Swanepoel	Department of Environmental Affairs and Development Planning	Email: DEADPEIAAdmin.George@westerncape.gov.za
	Denwin van Turha	Beaufort West Municipality	Email: enwint@beaufortwestmun.co.za
	Mr Dale Holder	Cape Environmental Assessment Practitioners (Cape EAPrac)	Email: dale@cape-eaprac.co.za

DFFE Reference: 14/12/16/3/3/1/2520



# **Environmental Authorisation**

In terms of Regulation 25 of the Environmental Impact Assessment Regulations, 2014, as amended

The construction of a 120 MW Photovoltaic (PV) Solar Energy Facility (known as The Hoodia PV)

located on The Remaining Extent (Portion 0) of Farm 423 approximately 12 km South-East of Beaufort

West within the Beaufort West Local Municipality in the Western Cape Province

## Central Karoo District Municipality

Authorisation register number:	14/12/16/3/3/1/2520
Last amended:	First issue
Holder of authorisation:	Hoodia PV (Pty) Ltd
Location of activity:	Western Cape Province: Portion 0 of Farm 423 on Ward 02 near Beaufort West within the Beaufort West Local Municipality in the Central Karoo District Municipality.

This authorisation does not negate the holder of the authorisation's responsibility to comply with any other statutory requirements that may be applicable to the undertaking of the activity.

## Decision

The Department is satisfied, on the basis of information available to it and subject to compliance with the conditions of this Environmental Authorisation, that the applicant should be authorised to undertake the activities specified below.

Non-compliance with a condition of this Environmental Authorisation may result in criminal prosecution or other actions provided for in the National Environmental Management Act, Act No. 107 of 1998, as amended and the EIA Regulations, 2014, as amended.

Details regarding the basis on which the Department reached this decision are set out in Annexure 1.

## **Activities authorised**

By virtue of the powers conferred on it by the National Environmental Management Act, Act No. 107 of 1998, as amended and the Environmental Impact Assessment Regulations, 2014, as amended, the Department hereby authorises –

HOODIA PV (PTY) LTD.

(hereafter referred to as the holder of the authorisation)

with the following contact details -

Mr Anthony de Graaf Hoodia PV (Pty) Ltd. 101, Block A, West Quay Building 7 West Quay Road, Waterfront CAPE TOWN 8000

Telephone Number:

021 418 2596

Cellphone Number:

084 401 9015

Email Address:

anthony@atlanticep.com

to undertake the following activities (hereafter referred to as "the activity") indicated in Listing Notice 1, Listing Notice 2 and Listing Notice 3 of the EIA Regulations, 2014 as amended:

Activity number	Activity description
GN No. R.983 - Activity 11(i):	The Hoodla PV onsite substation will have a capacity
"The development of facilities or infrastructure for the	of up to 132 kilovolts.
transmission and distribution of electricity—	
(i) outside urban areas or industrial complexes with a	
capacity of more than 33 but less than 275 kilovolts;"	
GN No. R.983 - Activity 12(ii)(a) & (c):	The main access road for Hoodia PV facility crosses
"The development of -	non-perennial watercourses. The footprint of this
(ii) infrastructure or structures with a physical footprint	main access road within 32 metres of the
of 100 square metres or more;	watercourse will exceed 100 square metres.
where such development occurs -	
(a) within a watercourse;	
(c) if no development setback exists, within 32 metres	
of a watercourse, measured from the edge of a	
watercourse; *	
GN No. R. 983 - Activity 19:	The main access road for Hoodia PV crosses a non-
"The infilling or depositing of any material of more	perennial watercourse. The construction of this
than 10 cubic metres into, or the dredging,	access road will require the movement of more than
excavation, removal or moving of soil, sand, shells,	10 cubic metres of soil from within this watercourse.
shell grit, pebbles or rock of more than 10 cubic	
metres from a watercourse; but excluding where such	
infilling, depositing, dredging, excavation, removal or	
moving -	
(a) will occur behind a development setback;	
(b) is for maintenance purposes undertaken in	
accordance with a maintenance management plan;	
(c) falls within the ambit of activity 21 in this Notice, in	
which case that activity applies;	
(d) occurs within existing ports or harbours that will	
not increase the development footprint of the port or	
harbour; or	

(e) where such development is related to the	
development of a port or harbour, in which case	
activity 26 in Listing Notice 2 of 2014 applies."	
GN No. R.983 - Activity 24 (ii):	The main access road for Hoodla PV facility will up to
The development of a road—	10 metres in width.
(ii) with a reserve wider than 13,5 meters, or where	
no reserve exists where the road is wider than 8	
metres;	
GN No. R.983 - Activity 28 (ii):	The proposed Hoodia PV facility is considered
"Residential, mixed, retail, commercial, industrial or	commercial / industrial use with a total footprint of
institutional developments where such land was used	approximately 241 ha.
for agriculture, game farming, equestrian purposes or	
afforestation on or after 01 April 1998 and where such	
development:	
(ii) will occur outside an urban area, where the total	
land to be developed is bigger than 1 hectare;"	
GN No. R.983 - Activity 56 (ii):	The Main access road to Hoodia PV facility mainly
The widening of a road by more than 6 metres, or the	follows an existing farm access. This existing farm
lengthening of a road by more than 1 kilometre—	access will be lengthened by more than 1 kilometre.
(ii) where no reserve exists, where the existing road	
is wider than 8 metres;	
GN No. R.984 - Activity 1:	The proposed Hoodia PV facility will have a
"The development of facilities or infrastructure for the	generation capacity of up to 120MWac.
generation of electricity from a renewable resource	
where the electricity output is 20 megawatts or more,	
excluding where such development of facilities or	
infrastructure is for photovoltaic installations and	8
occurs -	
(a) within an urban area; or	
(b) on existing infrastructure."	
GN No. R.984 - Activity 15:	The proposed Hoodia PV facility will have a total
"The clearance of an area of 20 hectares or more of	footprint of approximately 241 ha
indigenous vegetation.	

## Department of Forestry, Fisheries and the Environment Environmental Authorisation Reg. No. 14/12/16/3/3/1/2520

GN No. R.985 - Activity 4(i) - (ii)(aa):	The main access road for Hoodia PV will be up to
"The development of a road wider than 4 metres with	10m wide outside of an urban area containing
a reserve less than 13,5 metres.	indigenous vegetation.
i. Western Cape	
ii. Areas outside urban areas; (aa) Areas containing	
indigenous vegetation;	
(aa) Areas containing indigenous vegetation."	
GN No. R.985 - Activity 12(i)(ii):	Portions of the proposed Hoodia PV fall within a CBA
"The clearance of an area of 300 square metres or	1 and CBA2 in terms of the Western Cape
more of indigenous vegetation except where such	Biodiversity Spatial Plan. The clearance of more than
clearance of indigenous vegetation is required for	300 square metres will be required within these
maintenance purposes undertaken in accordance	CBA's.
with a maintenance management plan.	
i. Western Cape	
ii. Within critical biodiversity areas identified in	
bioregional plans;"	
GN No. R,985 - Activity 18(i) - (ii)(aa):	The existing farm access will be widened and
"The widening of a road by more than 4 metres, or the	lengthened by more than 1km outside of an urban
lengthening of a road by more than 1 kilometre.	area.
i. Western Cape	
ii. All areas outside urban areas:	
(aa) Areas containing indigenous vegetation	

as described in the Basic Assessment Report (BAR) dated 24 May 2022 at:

## SG 21 Code: Details of the Hoodia PV Site

Farm Details	21-digit Surveyor General No.	Beaufort West Local Municipality Ward
Portion 0 of Farm 423	C00900000000042300000	02

## Coordinates of the Hoodia PV Site

Layout Alternative 1 (Preferred)	Latitude	Longitude
North-West Corner	32°23'24.95"S	22°42'57.89"E
North-East Corner	32°23'24.05"S	22*44'04.43"E
South-West Comer	32°24'11.56"S	22°42'57.92"E
South-East Corner	32°24'04.70"S	22°44'12.66"E
Access Road	Latitude	Longitude
Start	32°23'57.38"S	22°40'15.49"E
Middle	32°24'22.80"S	22°41'01.51"E
End	32°24'11.54"S	22°43'01.88"E

- for the construction of a 120 MW Photovoltaic (PV) Solar Energy Facility (known as The Hoodia PV) located on The Remaining Extent (Portion 0) of Farm 423 approximately 12 km South-East of Beaufort West in the Beaufort West Local Municipality within the Central Karoo District Municipality, Western Cape Province, hereafter referred to as "the property".

The technical details of the proposed 120 MWac Hoodia PV facility are tabulated below.

	Site Details
Description and Size in hectares of the affected	Farm 423 (Portion 0).
property.	Total Property Size: 2667.0374 ha
Development Footprint	Approximately 241ha
Tec	chnology Details
Capacity of facility (in MW)	Net generation (contracted) capacity of up to 120 MWac
Type of technology	Solar photovoltaic (PV) technology (monofacial or bifacial) with fixed, single or double axis tracking mounting structures, as well as associated infrastructure, which will include: Laydown area; Access and Internal Road network; Auxiliary buildings (33 kV switch room, gatehouse and security, control centre, office, warehouse, canteen & visitors centre, staff lockers etc.);

## Department of Forestry, Fisheries and the Environment Environmental Authorisation Reg. No. 14/12/16/3/3/1/2520

Environmental Autro	Isalion Reg. No. 14/12/10/07/12020
	• Facility substation;
	Inverter-stations, transformers and internal electrical
	reticulation (underground cabling);
	Battery Fnergy Storage System (BESS);
	Rainwater Tanks; and
	Perimeter fencing and security infrastructure.
Structure height	Solar panels with a maximum height of $\pm$ 5.5 m above the
	ground
Surface area to be covered (including	Approximately 241ha
associated infrastructure such as roads)	
Structure orientation	Fixed-tilt: north-facing at a defined angle of tilt single or
	double axis tracking: mounted in a north-south orientation,
	tracking from east to west.
Laydown area dimensions	Approximately 2-5 ha laydown area will be required for the
	PV facility (the laydown areas will not exceed 5 ha and will
	be situated within the assessed footprint).
BESS	Battery Energy Storage System (BESS).
	Area: up to ± 4 ha
	Capacity: Unspecified
	Technology: solid-state/ non-liquid type batteries.
Own-B	uild Grid Connection
Size and capacity of on-site substation	The maximum size of the facility substation will not exceed
Length and capacity of on-site power lines /	1 ha.
cabling.	The facility substation will collect the power from the facility
	and transform it from medium voltage (up to 33 kV) to high
	voltage (132 kV).
	The facility will include inverter-stations, transformers,
	switchgear and internal electrical reticulation (underground
	cabling) and lightning conductors up to 21 m.
	1 2 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1
	The on-site substation will connect directly to the proposed
	The on-site substation will connect directly to the proposed Bulskop Collector Switching Station.
Auxi	
Additional Infrastructure	

#### Department of Forestry, Fisheries and the Environment Environmental Authorisation Reg. No. 14/12/16/3/3/1/2520

	workshops, storage and warehousing areas, site offices and a control centre.  Rainwater tanks; and Electrified perimeter fencing not exceeding 5 m in height
Details of access roads	The access roads will not exceed 8 m in width. The access road will comprise of a new road, as well as the expansion of sections of the existing farm road.
Details of internal roads	A network of gravel internal access roads, each with a width of up to $\pm$ 5 m, will be constructed to provide access to the various components of the facility.
Extent of areas required for laydown of materials and equipment	Approximately 2-5 ha of temporary laydown areas will be required (laydown areas will not exceed 5 ha). A permanent laydown area of a maximum of a 1 ha will remain for operations.

# **Conditions of this Environmental Authorisation**

## Scope of authorisation

- 1. The construction of a 120 MW Photovoltaic (PV) Solar Energy Facility (known as The Hoodia PV) located on The Remaining Extent (Portion 0) of Farm 423 approximately 12 km South-East of Beaufort West in the Beaufort West Local Municipality within the Central Karoo District Municipality, Western Cape Province is approved as per the geographic coordinates cited in the table above on page 06.
- Authorisation of the activity is subject to the conditions contained in this Environmental Authorisation, which form part of the Environmental Authorisation and are binding on the holder of the authorisation.
- 3. The holder of the authorisation is responsible for ensuring compliance with the conditions contained in this Environmental Authorisation. This includes any person acting on the holder's behalf, including but not limited to, an agent, servant, contractor, sub-contractor, employee, consultant or person rendering a service to the holder of the authorisation.
- The activities authorised may only be carried out at the property as described above.
- 5. Any changes to, or deviations from, the project description set out in this Environmental Authorisation must be approved, in writing, by the Department before such changes or deviations may be effected. In assessing whether to grant such approval or not, the Department may request such information as it deems necessary to evaluate the significance and impacts of such changes or deviations and it may be necessary for the holder of the authorisation to apply for further Environmental Authorisation in terms of the regulations.



- 6. The holder of an Environmental Authorisation must apply for an amendment of the Environmental Authorisation with the Competent Authority for any alienation, transfer or change of ownership rights in the property on which the activity is to take place.
- 7. This activity must commence within a period of ten (10) years from the date of issue of this Environmental Authorisation. If commencement of the activity does not occur within that period, the authorisation lapses and a new application for Environmental Authorisation must be made in order for the activity to be undertaken.
- 8. Construction must be completed within five (05) years of the commencement of the activity on site.
- Commencement with one activity listed in terms of this environmental authorisation constitutes commencement of all authorised activities.

## Notification of authorisation and right to appeal

- 10. The holder of the authorisation must notify every registered interested and affected party, in writing and within 14 (fourteen) calendar days of the date of this Environmental Authorisation, of the decision to authorise the activity.
- 11. The notification referred to must -
  - 11.1. specify the date on which the authorisation was issued;
  - inform the interested and affected party of the appeal procedure provided for in the National Appeal Regulations, 2014;
  - 11.3. advise the interested and affected party that a copy of the authorisation will be furnished on request; and
  - 11.4. give the reasons of the Competent Authority for the decision.

#### Commencement of the activity

12. The authorised activity shall not commence until the period for the submission of appeals has lapsed as per the National Appeal Regulations, 2014, and no appeal has been lodged against the decision. In terms of Section 43(7), an appeal under Section 43 of the National Environmental Management Act, Act No. 107 of 1998, as amended will suspend the Environmental Authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged you may not commence with the activity until such time that the appeal has been finalised.

#### Management of the activity

 The site layout plans as attached as Appendix A (Location and Topographical Plans) and D (Facility Layout Plans Hoodia PV) of the BAR dated 24 May 2022 is approved.

- 14. The Environmental Management Programme (EMPr) submitted as part of the BAR dated 24 May 2022 is approved and must be implemented and adhered to.
- 15. The EMPr must be implemented and strictly enforced during all phases of the project. It shall be seen as a dynamic document and shall be included in all contract documentation for all phases of the development when approved.
- Changes to the approved EMPr must be submitted in accordance to the EIA Regulations applicable at the time.
- The Department reserves the right to amend the approved EMPr should any impacts that were not anticipated or covered in the BAR be discovered.

## Frequency and process of updating the EMPr

- 18. The EMPr must be updated where the findings of the environmental audit reports, contemplated in Condition 25 below, indicate insufficient mitigation of environmental impacts associated with the undertaking of the activity, or insufficient levels of compliance with the environmental authorisation or EMPr.
- The updated EMPr must contain recommendations to rectify the shortcomings identified in the environmental audit report.
- 20. The updated EMPr must be submitted to the Department for approval together with the environmental audit report, as per Regulation 34 of the EIA Regulations, 2014 as amended. The updated EMPr must have been subjected to a public participation process, which process has been agreed to by the Department, prior to submission of the updated EMPr to the Department for approval.
- 21. In assessing whether to grant approval of an EMPr which has been updated as a result of an audit, the Department will consider the processes prescribed in Regulation 35 of the EIA Regulations, 2014 as amended. Prior to approving an amended EMPr, the Department may request such amendments to the EMPr as it deems appropriate to ensure that the EMPr sufficiently provides for avoidance, management and mitigation of environmental impacts associated with the undertaking of the activity.
- 22. The holder of the authorisation must apply for an amendment of an EMPr, if such amendment is required before an audit is required. The amendment process is prescribed in Regulation 37 of the EIA Regulations, 2014, as amended. The holder of the authorisation must request comments on the proposed amendments to the impact management outcomes of the EMPr or amendments to the closure objectives of the closure plan from potentially interested and affected parties, including the competent authority, by using any of the methods provided for in the Act for a period of at least 30 days.



#### Monitoring

- 23. The holder of the authorisation must appoint an experienced Environmental Control Officer (ECO) for the construction phase of the development that will have the responsibility to ensure that the mitigation/rehabilitation measures and recommendations referred to in this environmental authorisation are implemented and to ensure compliance with the provisions of the approved EMPr
  - 23.1. The ECO must be appointed before commencement of any authorised activities.
  - 23.2. Once appointed, the name and contact details of the ECO must be submitted to the Director: Compliance Monitoring of the Department.
  - 23.3. The ECO must keep record of all activities on site, problems identified, transgressions noted and a task schedule of tasks undertaken by the ECO.
  - 23.4. The ECO must remain employed until all rehabilitation measures, as required for implementation due to construction damage, are completed and the site is ready for operation.

## Recording and reporting to the Department

- 24. All documentation e.g. audit/monitoring/compliance reports and notifications, required to be submitted to the Department in terms of this environmental authorisation, must be submitted to the Director: Compliance Monitoring of the Department.
- 25. The holder of the environmental authorisation must, for the period during which the environmental authorisation and EMPr remain valid, ensure that project compliance with the conditions of the environmental authorisation and the EMPr are audited, and that the audit reports are submitted to the Director: Compliance Monitoring of the Department.
- 26. The frequency of auditing and of submission of the environmental audit reports must be as per the frequency indicated in the EMPr, taking into account the processes for such auditing as prescribed in Regulation 34 of the EIA Regulations, 2014 as amended.
- 27. The holder of the authorisation must, in addition, submit environmental audit reports to the Department within 30 days of completion of the construction phase (i.e. within 30 days of site handover) and a final environmental audit report within 30 days of completion of rehabilitation activities.
- 28. The environmental audit reports must be compiled in accordance with Appendix 7 of the EIA Regulations, 2014 as amended and must indicate the date of the audit, the name of the auditor and the outcome of the audit in terms of compliance with the environmental authorisation conditions as well as the requirements of the approved EMPr.
- Records relating to monitoring and auditing must be kept on site and made available for inspection to any
  relevant and competent authority in respect of this development.



#### Notification to authorities

30. A written notification of commencement must be given to the Department no later than fourteen (14) days prior to the commencement of the activity. Commencement for the purposes of this condition includes site preparation. The notice must include a date on which it is anticipated that the activity will commence, as well as a reference numbor.

#### Operation of the activity

31. A written notification of operation must be given to the Department no later than fourteen (14) days prior to the commencement of the activity operational phase.

#### Site closure and decommissioning

32. Should the activity ever cease or become redundant, the holder of the authorisation must undertake the required actions as prescribed by legislation at the time and comply with all relevant legal requirements administered by any relevant and Competent Authority at that time.

#### Specific conditions

- 33. The footprint of the development must be limited to the areas required for actual construction works and operational activities.
- 34. No activities will be allowed to encroach into a water resource without a water use authorisation being in place from the Department of Water and Sanitation.
- 35. Any evidence of archaeological sites or remains (e.g. remnants of stone-made structures, indigenous ceramics, bones, stone artefacts, ostrich eggshell fragments, and charcoal and ash concentrations), fossils, burials or other categories of heritage resources are found during the proposed development, work must cease in the vicinity of the find and Heritage Western Cape must be alerted immediately to determine an appropriate way forward.
- The Heritage Western Cape Chance Fossil Finds Procedure must be implemented for the duration of construction activities.
- No impact must occur to the abandoned Werf identified at BLK055 and as such, a 50m no-go buffer around this site must be implemented.
- No exotic plants may be used for rehabilitation purposes. Only indigenous plants of the area may be utilised.
- 39. Vegetation clearing must be kept to an absolute minimum. Mitigation measures as specified in the BAR dated 24 May 2022 must be implemented to reduce the risk of erosion and the invasion of alien species.

40. An integrated waste management approach must be implemented that is based on waste minimisation and must incorporate reduction, recycling, re-use and disposal where appropriate. Any solid waste must be disposed of at a landfill licensed in terms of Section 20 (b) of the National Environment Management Waste Act, 2008 (Act No 59 of 2008)

#### General

- 41. A copy of this Environmental Authorisation, the audit and compliance monitoring reports, and the approved EMPr, must be made available for inspection and copying-
  - 41.1. at the site of the authorised activity;
  - 41.2. to anyone on request; and
  - 41.3. where the holder of the Environmental Authorisation has a website, on such publicly accessible website.
- 42. National government, provincial government, local authorities or committees appointed in terms of the conditions of this authorisation or any other public authority shall not be held responsible for any damages or losses suffered by the holder of the authorisation or his/her successor in title in any instance where construction or operation subsequent to construction be temporarily or permanently stopped for reasons of non-compliance by the holder of the authorisation with the conditions of authorisation as set out in this document or any other subsequent document emanating from these conditions of authorisation.

Date of Environmental Authorisation: 2007 2022

**Ms Milicent Solomons** 

Acting Chief Director: Integrated Environmental Authorisations

Department of Forestry, Fisheries and the Environment

## Annexure 1: Reasons for Decision

## 1. Information considered in making the decision

In reaching its decision, the Department took, inter alia, the following into consideration -

- a) The listed activities as applied for in the application form received on 13 April 2022.
- b) The information contained in the BAR dated 24 May 2022.
- c) The comments received from Heritage Western Cape, Department of Water and Sanitation, Eskom, Department of Environmental Affairs and Development Planning, Department of Forestry, Fisheries and the Environment and interested and affected parties as included in the BAR dated 24 May 2022.
- d) Mitigation measures as proposed in the BAR and the EMPr.
- e) The information contained in the specialist studies contained within the appendices of the BAR dated 24 May 2022 and as appears below:

Title	Prepared by	Date
Terrestrial Biodiversity	The Biodiversity Company	October 2021
Avifaunal Impact Assessment	The Biodiversity Company	April 2022
Plant Species, Animal Species, and Aquatic Biodiversity	The Biodiversity Company	October 2021
Agricultural Impact Assessment	Johan Lanz	24 February 2022
Palaeontology Impact Assessment	John Almond	September 2021
Cultural Landscape Assessment	Sarah Winter in association with Nicolas Baumann and Wendy Wilson	4 November 2021
Archaeology and Heritage	CTS Heritage	November 2021
Visual Impact Assessment	Visual Resource Management Africa cc	26 Nov 2021
Socio-Economic Impact Assessment	Tony Barbour	October 2021
Traffic Impact Assessment	JG Afrika	April 2022
Town and Regional Planning	Townscape Planning Solutions	12 April 2022
Geotechnical	BareRock Consulting	20 May 2022
EMPr	Cape EAPrac Environmental Assessment Practitioners	24 May 2022

## 2. Key factors considered in making the decision

All Information presented to the Department was taken into account in the Department's consideration of the application. A summary of the issues which, in the Department's view, were of the most significance is set out below.

- The findings of all the specialist studies conducted and their recommended mitigation measures.
- b) The need for the proposed project stems from the provision of electricity to the national grid.
- c) The BAR dated 24 May 2022 identified all legislation and guidelines that have been considered in the preparation of the BAR.
- The location of the 120 MW Photovoltaic (PV) Solar Energy Facility (known as The Hoodia PV).
- e) The methodology used in assessing the potential impacts identified in the BAR dated 24 May 2022 and the specialist studies have been adequately indicated.
- f) A sufficient public participation process was undertaken and the applicant has satisfied the minimum requirements as prescribed in the EIA Regulations, 2014 as amended for public involvement.

## 3. Findings

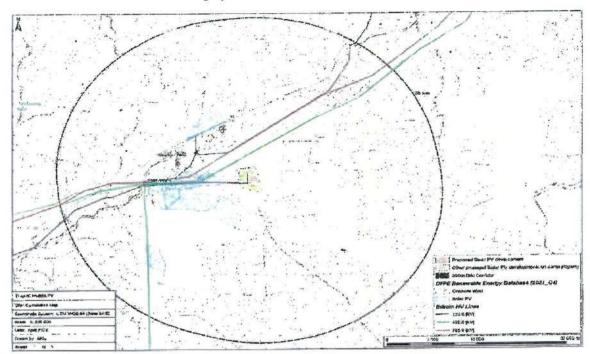
After consideration of the information and factors listed above, the Department made the following findings -

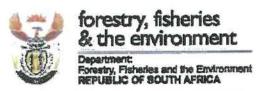
- a) The identification and assessment of impacts are detailed in the BAR dated 24 May 2022 and sufficient assessment of the key identified issues and impacts have been completed.
- b) The procedure followed for impact assessment is adequate for the decision-making process.
- c) The information contained in the BAR dated 24 May 2022 is deemed to be accurate and credible.
- d) The proposed mitigation of impacts identified and assessed adequately curtails the identified impacts.
- e) EMPr measures for the pre-construction, construction and rehabilitation phases of the development were proposed and included in the BAR and will be implemented to manage the identified environmental impacts during the construction phase.

In view of the above, the Department is satisfied that, subject to compliance with the conditions contained in the environmental authorisation, the authorised activities will not conflict with the general objectives of integrated environmental management laid down in Chapter 5 of the National Environmental Management Act, 1998 and that any potentially detrimental environmental impacts resulting from the authorised activities can be mitigated to acceptable levels. The environmental authorisation is accordingly granted.



# Annexure 2: Locality Plan: 120 MW Photovoltaic (PV) Solar Energy Facility (known as The Hoodia PV)





Private Bag X447 PRETORIA 6901 Environment House · 473 Steve Biko Road, Arcadia· PRETORIA Tel[+27 12] 399 9000

Enquiries: Devinagia Bendaman Telephone: 012 399 9337 E-mail: ybendeman@dffe.gov.za

Ms. Milicent Solomons Director: Prioritized Infrastructure Projects

Dear Mrs Solomons

Yours sincerely

# APPOINTMENT AS ACTING CHIEF DIRECTOR: INTEGRATED ENVIRONMENTAL AUTHORIZATIONS FOR THE PERIOD OF 25 APRIL 2022 UNTIL 31 OCTOBER 2022

I hereby inform you that I have decided to appoint you as the Acting Chief Director: Integrated Environmental Authorizations for the period of 25 April to 31 October 2022 whilst Mr Sabelo Malaza is fulfilling his temporary reassignment function at the Forestry Branch.

All the correspondence and other documents that are usually signed by the Chief Director: Integrated Environmental Authorizations must be signed under Acting Chief Director: Integrated Environmental Authorizations during the above-mentioned period.

Your appointment in the above acting position remains subject to the provisions of the Public Service Act, 1994 (Proclamation No. 103 of 1994), as amended, the Government Employees Pension Fund Act, 1996 (Proclamation No. 21 of 1996), the regulations promulgated under these Acts and relevant circulars.

In the execution of your duties and the exercising of the powers delegated to you, you will furthermore be subjected to the provisions of the Public Finance Management Act, compliance with the Promotion of Access to Information Act, Promotion of Administrative Justice Act, the Minimum Information Security Standard, Departmental Policies and other applicable legislations with the Republic of South Africa. You are therefore advised to make yourself familiar with the provisions of these legislations and policies and the amendments thereof. (Copies of Departmental policies can be obtained from the Human Resource Office).

Please accept my heartfelt gratitude for all your assistance on behalf of the department.

Ms Devinagis Bendeman Deputy Director-General: RCSM (Regulatory Compliance and Sector Monitoring) April 2022

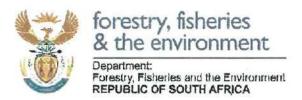
**ACKNOWLEDGEMENT** 

ACCEPT / DO NOT ACCEPT appointment as Acting Chief Director: Integrated Environmental Authorizations

Signed;

Date:

20/04/2002



Private Bag X 447 PRETORIA 0001 Environment House 473 Steve Biko Road, Arcadia PRETORIA

DFFE Reference: 14/12/16/3/3/1/2521 Enquiries: Mr Lunga Dlova Telephone: (012) 399 8524 E-mail: LDlova@dffe.gov.za

Mr Anthony de Graaf Rosenia PV (Pty) Ltd. 101, Block A, West Quay Building 7 West Quay Road, Waterfront CAPE TOWN 8000

Telephone Number:

021 418 2596

Celiphone Number:

084 401 9015

Email Address:

anthony@atlanticep.com

PER EMAIL / MAIL

Dear Mr de Graaf

APPLICATION FOR ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, ACT NO. 107 OF 1998, AS AMENDED: FOR THE CONSTRUCTION OF A 120 MW PHOTOVOLTAIC (PV) SOLAR ENERGY FACILITY (KNOWN AS THE ROSENIA PV) LOCATED ON THE REMAINING EXTENT (PORTION 0) OF FARM 423 APPROXIMATELY 12 KM SOUTH-EAST OF BEAUFORT WEST IN THE BEAUFORT WEST LOCAL MUNICIPALITY WITHIN THE CENTRAL KAROO DISTRICT MUNICIPALITY, WESTERN CAPE PROVINCE.

With reference to the above application, please be advised that the Department has decided to grant authorisation. The Environmental Authorisation (EA) and reasons for the decision are attached herewith.

In terms of Regulation 4(2) of the Environmental Impact Assessment Regulations, 2014, as amended (the EIA Regulations), you are instructed to notify all registered interested and affected parties, in writing and within fourteen (14) days of the date of the decision as well as the provisions regarding the submission of appeals that are contained in the Regulations.

In terms of the Promotion of Administrative Justice Act, Act No. 3 of 2000, you are entitled to the right to fair, lawful and reasonable administrative action; and to written reasons for administrative action that affects you negatively. Further your attention is drawn to the provisions of the Protection of Personal Information Act, Act No. 4 of 2013 which stipulate that the Department should conduct itself in a responsible manner when collecting, processing, storing and sharing an individual or another entity's personal information by holding the Department accountable should the Department abuse or compromise your personal information in any way.

Your attention is drawn to Chapter 2 of National Environmental Management Act, Act No. 107 of 1998 National Appeal Regulations published under Government Notice R993 in Government Gazette No. 38303 dated 08 December 2014 (National Appeal Regulations, 2014), which prescribes the appeal procedure to be followed. Kindly include a copy of this document (National Appeal Regulations, 2014) with the letter of notification to interested and affected parties in this matter.

Should any person wish to lodge an appeal against this decision, he/she must submit the appeal to the appeal administrator, and a copy of the appeal to the applicant, any registered interested and affected party, and any organ of state with interest in the matter within 20 days from the date that the notification of the decision was sent to the registered interested and affected parties by the applicant; or the date that the notification of the decision was sent to the applicant by the Department, whichever is applicable.

## Appeals must be submitted in writing in the prescribed form to:

The Director: Appeals and Legal Review of this Department at the below mentioned addresses.

By email: appeals@dffe.gov.za;

By hand: Environment House 473 Steve Biko Arcadia Pretoria 0083; or

By post: Private Bag X447 Pretoria 0001

Please note that in terms of Section 43(7) of the National Environmental Management Act, Act No. 107 of 1998, as amended, the lodging of an appeal will suspend the environmental authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged, you may not commence with the activity until such time that the appeal is finalised.

To obtain the prescribed appeal form and for guidance on the submission of appeals, please visit the Department's website at <a href="https://www.environment.gov.za/documents/forms#legal\_authorisations">https://www.environment.gov.za/documents/forms#legal\_authorisations</a> or request a copy of the documents at <a href="mailto:appeals@dffe.gov.za">appeals@dffe.gov.za</a>.

Yours faithfully

MISOLO

Ms Millicent Solomons

Acting Chief Director: Integrated Environmental Authorisations

Department of Forestry, Fisheries and the Environment

Date: 22/01/2022,

cc:	Abrie Van Der Merwe	H B Van der Merwe Familietrust	Email: Abrievandermerwe@yahco.com	
	Mr Danie Swanepoel	Department of Environmental Affairs and Development Planning	Email: DEADPEIAAdmin.George@westerncape.gov.za	
	Denwin van Turha	Beaufort West Municipality	Email: enwint@beaufortwestmun.co.za	
	Mr Dale Holder	Cape Environmental Assessment Practitioners (Cape EAPrac)	Email: dale@cape-eaprac.co.za	

DFFE Reference: 14/12/16/3/3/1/2521



# **Environmental Authorisation**

In terms of Regulation 25 of the Environmental Impact Assessment Regulations, 2014, as amended

The construction of a 120 MW Photovoltaic (PV) Solar Energy Facility (known as The Rosenia PV)

located on The Remaining Extent (Portion 0) of Farm 423 approximately 12 km South-East of Beaufort

West within the Beaufort West Local Municipality in the Western Cape Province

# Central Karoo District Municipality

Authorisation register number:	14/12/16/3/3/1/2521	
Last amended:	First issue	
Holder of authorisation:	Rosenia PV (Pty) Ltd	
Location of activity:	Western Cape Province: Portion 0 of Farm 423 on Ward 02 near Beaufort West within the Beaufort West Local Municipality in the Central Karoo District Municipality.	

This authorisation does not negate the holder of the authorisation's responsibility to comply with any other statutory requirements that may be applicable to the undertaking of the activity.

# Decision

The Department is satisfied, on the basis of information available to it and subject to compliance with the conditions of this Environmental Authorisation, that the applicant should be authorised to undertake the activities specified below.

Non-compliance with a condition of this Environmental Authorisation may result in criminal prosecution or other actions provided for in the National Environmental Management Act, Act No. 107 of 1998, as amended and the EIA Regulations, 2014, as amended.

Details regarding the basis on which the Department reached this decision are set out in Annexure 1.

# **Activities authorised**

By virtue of the powers conferred on it by the National Environmental Management Act, Act No. 107 of 1998, as amended and the Environmental Impact Assessment Regulations, 2014, as amended, the Department hereby authorises –

#### ROSENIA PV (PTY) LTD

(hereafter referred to as the holder of the authorisation)

with the following contact details -

Mr Anthony de Graaf Rosenia PV (Pty) Ltd. 101, Block A, West Quay Building 7 West Quay Road, Waterfront CAPE TOWN. 8000

Telephone Number:

021 418 2596

Cellphone Number:

084 401 9015

Email Address:

anthony@atlanticep.com

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to undertake the following activities (hereafter referred to as "the activity") indicated in Listing Notice 1, Listing Notice 2 and Listing Notice 3 of the EIA Regulations, 2014 as amended:

# Activity number Activity description GN No. R.983 - Activity 11(i): The Rosenia PV onsite substation will a capacity of up "The development of facilities or infrastructure for to 132 kilovolts. the transmission and distribution of electricity-(i) outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts;" GN No. R.983 - Activity 12(ii)(a) & (c): "The development of -

- (ii) infrastructure or structures with a physical footprint of 100 square metres or more;
- where such development occurs -
- (a) within a watercourse;
- (c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse; "

The main access road for Rosenia PV crosses a nonperennial watercourse. The footprint of this main access road within 32 metres of the watercourse will exceed 100 square metres.

## GN No. R. 983 - Activity 19:

"The infilling or depositing of any material of more than 10 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10 cubic metres from a watercourse; but excluding where such infilling, depositing, dredging, excavation, removal or moving -

- (a) will occur behind a development setback;
- (b) is for maintenance purposes undertaken in accordance with a maintenance management plan;
- (c) falls within the ambit of activity 21 in this Notice, in which case that activity applies;

The main access road for Rosenia PV crosses a nonperennial watercourse. The construction of this access road will require the movement of more than 10 cubic metres of soil from within this watercourse.

Enter of the following	Month (reg. 110: 1   FIZ ) OF OF OF ITZOZI
(d) occurs within existing ports or harbours that will	
not increase the development footprint of the port	
or harbour; or	
(e) where such development is related to the	
development of a port or harbour, in which case	
activity 26 in Listing Notice 2 of 2014 applies."	
GN No. R.983 - Activity 24 (ii):	The main access road for Rosenia PV will up to 10
The development of a road—	metres in width.
(ii) with a reserve wider than 13,5 meters, or where	
no reserve exists where the road is wider than 8	
metres;	
GN No. R.983 - Activity 28 (ii):	The proposed Rosenia PV is considered commercial /
"Residential, mixed, retail, commercial, industrial	industrial use with a total footprint of approximately 240
or institutional developments where such land was	ha.
used for agriculture, game farming, equestrian	
purposes or afforestation on or after 01 April 1998	
and where such development:	
(ii) will occur outside an urban area, where the	
total land to be developed is bigger than 1	
hectare;"	
GN No. R.983 - Activity 56 (ii):	The Main access road to Rosenia PV follows an existing
The widening of a road by more than 6 metres, or	farm access. This existing farm access will be
the lengthening of a road by more than 1	lengthened by more than 1 kilometre.
kilometre—	
(ii) where no reserve exists, where the existing	
road is wider than 8 metres;	
GN No. R.984 - Activity 1:	The proposed Rosenia PV will have a generation
"The development of facilities or infrastructure for	capacity of up to 120MWac.
the generation of electricity from a renewable	,
resource where the electricity output is 20	
megawatts or more, excluding where such	
development of facilities or infrastructure is for	
photovoltalc installations and occurs -	
(a) within an urban area; or	

(b) on existing infrastructure."	
GN No. R.984 - Activity 15:	The proposed Rosenia PV will have a total footprint of
"The clearance of an area of 20 hectares or more	approximately 240 ha.
of indigenous vegetation	
GN No. R.985 - Activity 4(i) - (ii)(aa):	The main access road for Rosenia PV will be up to 10m
"The development of a road wider than 4 metres	wide outside of an urban area containing indigenous
with a reserve less than 13,5 metres.	vegetation.
i. Western Cape	
ii. Areas outside urban areas; (aa) Areas	
containing indigenous vegetation;	
(aa) Areas containing indigenous vegetation."	
GN No. R.985 - Activity 12(i)(ii):	Portions of the proposed Rosenia PV fall within a CBA 1
"The clearance of an area of 300 square metres or	and CBA2 in terms of the Western Cape Biodiversity
more of indigenous vegetation except where such	Spatial Plan. The clearance of more than 300 square
clearance of indigenous vegetation is required for	metres will be required within these CBA's.
maintenance purposes undertaken in accordance	
with a maintenance management plan.	
i. Western Cape	
ii. Within critical biodiversity areas identified in	
bioregional plans;"	
GN No. R.985 - Activity 18(i) - (ii)(aa):	The existing farm access will be widened and
"The widening of a road by more than 4 metres, or	lengthened by more than 1km outside of an urban area.
the lengthening of a road by more than 1	
kilometre.	
i. Western Cape	
ii. All areas outside urban areas:	
(aa) Areas containing indigenous vegetation	

as described in the Basic Assessment Report (BAR) dated 24 May 2022 at:

#### SG 21 Code: Details of the Rosenia PV Site

Farm Details	21-digit Surveyor General No.	Beaufort West Local Municipality Ward
Portion 0 of Farm 423	C00900000000042300000	02

# Coordinates of the Rosenia PV Site

Layout Alternative 1 (Preferred)	Latitude	Longitude
North-West Corner	32°24'14.72"S	22°42'03.83"E
North-East Corner	32°24'28.63"S	22°43'43.10"E
South-West Corner	32°24'42.42"S	22°42'19.73"E
South-East Corner	32°25'03.00"S	22°43'43.92"E
Access Road	Latitude	Longitude
Start	32°23'57.38"S	22°40'15.49"E
Middle	32°24'22.80"S	22°41'01.51"E
End	32°24'14.14"S	22°42'46.55"E

- for the construction of a 120 MW Photovoltaic (PV) Solar Energy Facility (known as The Rosenia PV) located on The Remaining Extent (Portion 0) of Farm 423 approximately 12 km South-East of Beaufort West in the Beaufort West Local Municipality within the Central Karoo District Municipality, Western Cape Province, hereafter referred to as "the property".

The technical details of the proposed 120 MWac Rosenia PV facility are tabulated below.

	Site Details	
Description and Size in hectares of the affected	Farm 423 (Portion 0).	
property.	Total Property Size: 2667.0374 ha	
Development Footprint	Approximately 240 ha	
Tec	hnology Details	
Capacity of facility (in MW)	Net generation (contracted) capacity of up to 120 MWac	
Type of technology	Solar photovoltaic (PV) technology (monofacial or bifacial) with fixed, single or double axis tracking mounting	

	structures, as well as associated infrastructure, which will
	include:
	Laydown area;
	Access and Internal Road network;
	<ul> <li>Auxiliary buildings (33 kV switch room, gatehouse and</li> </ul>
	security, control centre, office, warehouse, canteen &
	visitors centre, staff lockers etc.);
	Facility substation;
	Inverter-stations, transformers and internal electrical
	reticulation (underground cabling);
	Battery Energy Storage System (BESS);
	Rainwater Tanks; and
	Perimeter fencing and security infrastructure.
Structure height	Solar panels with a maximum height of ± 5.5 m above the
	ground
Surface area to be covered (including	Approximately 240 ha
associated infrastructure such as roads)	
Structure orientation	Fixed-tilt: north-facing at a defined angle of tilt single or
	double axis tracking: mounted in a north-south orientation,
	tracking from east to west.
Laydown area dimensions	Approximately 2-5 ha laydown area will be required for the
	PV facility (the laydown areas will not exceed 5 ha and will
	be situated within the assessed footprint).
BESS	Battery Energy Storage System (BESS).
	Area: up to ± 4 ha
	Capacity: Unspecified
	Technology: solid-state/ non-liquid type batteries.
Own-Bt	illd Grid Connection
Size and capacity of on-site substation	The maximum size of the facility substation will not exceed
Length and capacity of on-site power lines /	1 ha.
cabling.	The facility substation will collect the power from the facility
v	and transform it from medium voltage (up to 33 kV) to high
	voltage (132 kV).

The facility will include inverter-stations, transformers,
switchgear and internal electrical reticulation (underground
cabling) and lightning conductors up to 21 m.
The on-site substation will connect directly to the proposed
Bulskop Collector Switching Station.
lary Infrastructure
Auxiliary buildings of approximately 1 ha, including (but not
limited to) a 33 kV switch room, a gate house, ablutions,
workshops, storage and warehousing areas, site offices and
a control centre.
Rainwater tanks; and Electrified perimeter fencing not
exceeding 5 m in height.
The access roads will not exceed 8 m in width. The access
road will comprise of a new road, as well as the expansion
of sections of the existing farm road.
A network of gravel internal access roads, each with a width
of up to $\pm$ 5 m, will be constructed to provide access to the
various components of the facility.
Approximately 2-5 ha of temporary laydown areas will be
required (laydown areas will not exceed 5 ha). A permanent
laydown area of a maximum of a 1 ha will remain for

# **Conditions of this Environmental Authorisation**

## Scope of authorisation

- 1. The construction of a 120 MW Photovoltaic (PV) Solar Energy Facility (known as The Rosenia PV) located on The Remaining Extent (Portion 0) of Farm 423 approximately 12 km South-East of Beaufort West in the Beaufort West Local Municipality within the Central Karoo District Municipality, Western Cape Province is approved as per the geographic coordinates cited in the table above on page 06.
- Authorisation of the activity is subject to the conditions contained in this Environmental Authorisation, which form part of the Environmental Authorisation and are binding on the holder of the authorisation.

- 3. The holder of the authorisation is responsible for ensuring compliance with the conditions contained in this Environmental Authorisation. This includes any person acting on the holder's behalf, including but not limited to, an agent, servant, contractor, sub-contractor, employee, consultant or person rendering a service to the holder of the authorisation.
- 4. The activities authorised may only be carried out at the property as described above.
- 5. Any changes to, or deviations from, the project description set out in this Environmental Authorisation must be approved, in writing, by the Department before such changes or deviations may be effected. In assessing whether to grant such approval or not, the Department may request such information as it deems necessary to evaluate the significance and impacts of such changes or deviations and it may be necessary for the holder of the authorisation to apply for further Environmental Authorisation in terms of the regulations.
- 6. The holder of an Environmental Authorisation must apply for an amendment of the Environmental Authorisation with the Competent Authority for any alienation, transfer or change of ownership rights in the property on which the activity is to take place.
- 7. This activity must commence within a period of ten (10) years from the date of issue of this Environmental Authorisation. If commencement of the activity does not occur within that period, the authorisation lapses and a new application for Environmental Authorisation must be made in order for the activity to be undertaken.
- 8. Construction must be completed within five (05) years of the commencement of the activity on site.
- Commencement with one activity listed in terms of this environmental authorisation constitutes commencement of all authorised activities.

#### Notification of authorisation and right to appeal

- 10. The holder of the authorisation must notify every registered interested and affected party, in writing and within 14 (fourteen) calendar days of the date of this Environmental Authorisation, of the decision to authorise the activity.
- 11. The notification referred to must -
  - 11.1. specify the date on which the authorisation was issued;
  - 11.2. inform the interested and affected party of the appeal procedure provided for in the National Appeal Regulations, 2014;
  - 11.3. advise the interested and affected party that a copy of the authorisation will be furnished on request; and
  - 11.4. give the reasons of the Competent Authority for the decision.



#### Commencement of the activity

12. The authorised activity shall not commence until the period for the submission of appeals has lapsed as per the National Appeal Regulations, 2014, and no appeal has been lodged against the decision. In terms of Section 43(7), an appeal under Section 43 of the National Environmental Management Act, Act No 107 of 1998, as amended will suspend the Environmental Authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged you may not commence with the activity until such time that the appeal has been finalised.

#### Management of the activity

- The site layout plans as attached as Appendix A (Location and Topographical Plans) and D (Facility Layout Plans Rosenia PV) of the BAR dated 24 May 2022 is approved.
- 14. The Environmental Management Programme (EMPr) submitted as part of the BAR dated 24 May 2022 is approved and must be implemented and adhered to.
- 15. The EMPr must be implemented and strictly enforced during all phases of the project. It shall be seen as a dynamic document and shall be included in all contract documentation for all phases of the development when approved.
- Changes to the approved EMPr must be submitted in accordance to the EIA Regulations applicable at the time.
- The Department reserves the right to amend the approved EMPr should any impacts that were not anticipated or covered in the BAR be discovered.

# Frequency and process of updating the EMPr

- 18. The EMPr must be updated where the findings of the environmental audit reports, contemplated in Condition 25 below, indicate insufficient mitigation of environmental impacts associated with the undertaking of the activity, or insufficient levels of compliance with the environmental authorisation or EMPr.
- The updated EMPr must contain recommendations to rectify the shortcomings identified in the environmental audit report.
- The updated EMPr must be submitted to the Department for approval together with the environmental audit report, as per Regulation 34 of the EIA Regulations, 2014 as amonded. The updated EMPr must



- have been subjected to a public participation process, which process has been agreed to by the Department, prior to submission of the updated EMPr to the Department for approval.
- 21. In assessing whether to grant approval of an EMPr which has been updated as a result of an audit, the Department will consider the processes prescribed in Regulation 35 of the FIA Regulations, 2014 as amended. Prior to approving an amended EMPr, the Department may request such amendments to the EMPr as it deems appropriate to ensure that the EMPr sufficiently provides for avoidance, management and mitigation of environmental impacts associated with the undertaking of the activity.
- 22. The holder of the authorisation must apply for an amendment of an EMPr, if such amendment is required before an audit is required. The amendment process is prescribed in Regulation 37 of the EIA Regulations, 2014, as amended. The holder of the authorisation must request comments on the proposed amendments to the impact management outcomes of the EMPr or amendments to the closure objectives of the closure plan from potentially interested and affected parties, including the competent authority, by using any of the methods provided for in the Act for a period of at least 30 days.

#### Monitoring

- 23. The holder of the authorisation must appoint an experienced Environmental Control Officer (ECO) for the construction phase of the development that will have the responsibility to ensure that the mitigation/rehabilitation measures and recommendations referred to in this environmental authorisation are implemented and to ensure compliance with the provisions of the approved EMPr.
  - 23.1. The ECO must be appointed before commencement of any authorised activities.
  - 23.2. Once appointed, the name and contact details of the ECO must be submitted to the Director, Compliance Monitoring of the Department.
  - 23.3. The ECO must keep record of all activities on site, problems identified, transgressions noted and a task schedule of tasks undertaken by the ECO.
  - 23.4. The ECO must remain employed until all rehabilitation measures, as required for implementation due to construction damage, are completed and the site is ready for operation.

#### Recording and reporting to the Department

24. All documentation e.g. audit/monitoring/compliance reports and notifications, required to be submitted to the Department in terms of this environmental authorisation, must be submitted to the Director: Compliance Monitoring of the Department.

11

- 25. The holder of the environmental authorisation must, for the period during which the environmental authorisation and EMPr remain valid, ensure that project compliance with the conditions of the environmental authorisation and the EMPr are audited, and that the audit reports are submitted to the Director Compliance Monitoring of the Department
- 26. The frequency of auditing and of submission of the environmental audit reports must be as per the frequency indicated in the EMPr, taking into account the processes for such auditing as prescribed in Regulation 34 of the EIA Regulations, 2014 as amended.
- 27. The holder of the authorisation must, in addition, submit environmental audit reports to the Department within 30 days of completion of the construction phase (i.e. within 30 days of site handover) and a final environmental audit report within 30 days of completion of rehabilitation activities.
- 28. The environmental audit reports must be compiled in accordance with Appendix 7 of the EIA Regulations, 2014 as amended and must indicate the date of the audit, the name of the auditor and the outcome of the audit in terms of compliance with the environmental authorisation conditions as well as the requirements of the approved EMPr.
- Records relating to monitoring and auditing must be kept on site and made available for inspection to any
  relevant and competent authority in respect of this development.

#### Notification to authorities

30. A written notification of commencement must be given to the Department no later than fourteen (14) days prior to the commencement of the activity. Commencement for the purposes of this condition includes site preparation. The notice must include a date on which it is anticipated that the activity will commence, as well as a reference number.

#### Operation of the activity

31. A written notification of operation must be given to the Department no later than fourteen (14) days prior to the commencement of the activity operational phase.

#### Site closure and decommissioning

32. Should the activity ever cease or become redundant, the holder of the authorisation must undertake the required actions as prescribed by legislation at the time and comply with all relevant legal requirements administered by any relevant and Competent Authority at that time.

# Specific conditions

- The footprint of the development must be limited to the areas required for actual construction works and
  operational activities.
- 34. No activities will be allowed to encroach into a water resource without a water use authorisation being in place from the Department of Water and Sanitation.
- 35. Any evidence of archaeological sites or remains (e.g. remnants of stone-made structures, indigenous ceramics, bones, stone artefacts, ostrich eggshell fragments, and charcoal and ash concentrations), fossils, burials or other categories of heritage resources are found during the proposed development, work must cease in the vicinity of the find and Heritage Western Cape must be alerted immediately to determine an appropriate way forward.
- The Heritage Western Cape Chance Fossil Finds Procedure must be implemented for the duration of construction activities.
- No impact must occur to the abandoned Werf identified at BLK055 and as such, a 50m no-go buffer around this site must be implemented.
- No exotic plants may be used for rehabilitation purposes. Only indigenous plants of the area may be utilised.
- 39. Vegetation clearing must be kept to an absolute minimum. Mitigation measures as specified in the BAR dated 24 May 2022 must be implemented to reduce the risk of erosion and the invasion of alien species.
- 40. An integrated waste management approach must be implemented that is based on waste minimisation and must incorporate reduction, recycling, re-use and disposal where appropriate. Any solid waste must be disposed of at a landfill licensed in terms of Section 20 (b) of the National Environment Management Waste Act, 2008 (Act No.59 of 2008).

#### General

- 41. A copy of this Environmental Authorisation, the audit and compliance monitoring reports, and the approved EMPr, must be made available for inspection and copying-
  - 41.1. at the site of the authorised activity;
  - 41.2. to anyone on request; and
  - 41.3. where the holder of the Environmental Authorisation has a website, on such publicly accessible website.



42. National government, provincial government, local authorities or committees appointed in terms of the conditions of this authorisation or any other public authority shall not be held responsible for any damages or losses suffered by the holder of the authorisation or his/her successor in title in any instance where construction or operation subsequent to construction be temporarily or permanently stopped for reasons of non-compliance by the holder of the authorisation with the conditions of authorisation as set out in this document or any other subsequent document emanating from these conditions of authorisation.

Date of Environmental Authorisation: 22/01/2022.

Ms Millicent Solomons

Acting Chief Director: Integrated Environmental Authorisations

Department of Forestry, Fisheries and the Environment

# Annexure 1: Reasons for Decision

# 1. Information considered in making the decision

In reaching its decision, the Department took, inter alia, the following into consideration -

- a) The listed activities as applied for in the application form received on 13 April 2022.
- b) The information contained in the BAR dated 24 May 2022.
- c) The comments received from Heritage Western Cape, Department of Water and Sanitation, Eskom, Department of Environmental Affairs and Development Planning, Department of Forestry, Fisheries and the Environment and interested and affected parties as included in the BAR dated 24 May 2022.
- d) Mitigation measures as proposed in the BAR and the EMPr.
- e) The information contained in the specialist studies contained within the appendices of the BAR dated 24 May 2022 and as appears below:

Title > "	Prepared by	Date /
Terrestrial Biodiversity	The Biodiversity Company	October 2021
Avifaunal Impact Assessment	The Biodiversity Company	April 2022
Plant Species, Animal Species, and Aquatic Biodiversity	The Biodiversity Company	October 2021
Agricultural Impact Assessment	Johan Lanz	24 February 2022
Palaeontology Impact Assessment	John Almond	September 2021
Cultural Landscape Assessment	Sarah Winter in association with Nicolas Baumann and Wendy Wilson	4 November 2021
Archaeology and Heritage	CTS Heritage	November 2021
Visual Impact Assessment	Visual Resource Management Africa cc	26 Nov 2021
Socio-Economic Impact Assessment	Tony Barbour	October 2021
Traffic Impact Assessment	JG Afrika	April 2022
Town and Regional Planning	Townscape Planning Solutions	12 April 2022
Geotechnical	BareRock Consulting	20 May 2022
EMPr	Cape EAPrac Environmental Assessment Practitioners	24 May 2022

# 2. Key factors considered in making the decision

All Information presented to the Department was taken into account in the Department's consideration of the application. A summary of the issues which, in the Department's view, were of the most significance is set out below.

- The findings of all the specialist studies conducted and their recommended mitigation measures.
- b) The need for the proposed project stems from the provision of electricity to the national grid.
- c) The BAR dated 24 May 2022 identified all legislation and guidelines that have been considered in the preparation of the BAR.
- d) The location of the 120 MW Photovoltaic (PV) Solar Energy Facility (known as The Rosenia PV).
- e) The methodology used in assessing the potential impacts identified in the BAR dated 24 May 2022 and the specialist studies have been adequately indicated.
- f) A sufficient public participation process was undertaken and the applicant has satisfied the minimum requirements as prescribed in the EIA Regulations, 2014 as amended for public involvement.

# 3. Findings

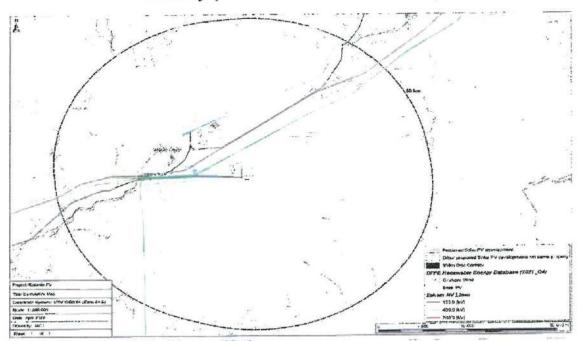
After consideration of the information and factors listed above, the Department made the following findings -

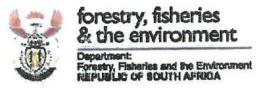
- a) The identification and assessment of impacts are detailed in the BAR dated 24 May 2022 and sufficient assessment of the key identified issues and impacts have been completed.
- b) The procedure followed for impact assessment is adequate for the decision-making process.
- c) The information contained in the BAR dated 24 May 2022 is deemed to be accurate and credible.
- The proposed mitigation of impacts identified and assessed adequately curtails the identified impacts.
- e) EMPr measures for the pre-construction, construction and rehabilitation phases of the development were proposed and included in the BAR and will be implemented to manage the identified environmental impacts during the construction phase.

In view of the above, the Department is satisfied that, subject to compliance with the conditions contained in the environmental authorisation, the authorised activities will not conflict with the general objectives of integrated environmental management laid down in Chapter 5 of the National Environmental Management Act, 1998 and that any potentially detrimental environmental impacts resulting from the authorised activities can be mitigated to acceptable levels. The environmental authorisation is accordingly granted.



# Annexure 2: Locality Plan: 120 MW Photovoltaic (PV) Solar Energy Facility (known as The Rosenia PV)





Private Seg X447 PRETORIA 0001 Environment Houses · 473 Stave Biko Road, Arcadis · PRETORIA Tal(+27 12 ) 399 9000

Enquiries: Devinagia Bendaman Telephona: 012 300 0337 E-mail: vbendeman@dffe.cov.za

Ms. Milicent Solomons
Director: Prioritized Infrastructure Projects

Dear Mrs Solomons

Yours sincerely

APPOINTMENT AS ACTING CHIEF DIRECTOR: INTEGRATED ENVIRONMENTAL AUTHORIZATIONS FOR THE PERIOD OF 25 APRIL 2022 UNTIL 31 OCTOBER 2022

I hereby inform you that I have decided to appoint you as the Acting Chief Director: Integrated Environmental Authorizations for the period of 25 April to 31 October 2022 whilst Mr Sabelo Malaza is fulfilling his temporary reassignment function at the Forestry Branch.

All the correspondence and other documents that are usually signed by the Chief Director: Integrated Environmental Authorizations must be signed under Acting Chief Director: Integrated Environmental Authorizations during the above-mentioned period.

Your appointment in the above acting position remains subject to the provisions of the Public Service Act, 1994 (Proclamation No. 103 of 1994), as amended, the Government Employees Pension Fund Act, 1998 (Proclamation No. 21 of 1998), the regulations promulgated under these Acts and relevant circulars.

In the execution of your duties and the exercising of the powers delegated to you, you will furthermore be subjected to the provisions of the Public Finance Management Act, compliance with the Promotion of Access to Information Act, Promotion of Administrative Justics Act, the Minimum Information Security Standard, Departmental Policies and other applicable legislations with the Republic of South Africa. You are therefore advised to make yourself familiar with the provisions of these legislations and policies and the amendments thereof. (Copies of Departmental policies can be obtained from the Human Resource Office).

Please accept my heartfelt gratitude for all your assistance on behalf of the department.

Ms Devinegle Bendeman
Deputy Director-General: RCSM (Regulatory Compliance and Sector Monitoring)
Date 20 April 2022

ACKNOWLEDGEMENT

I ACCEPT / DO NOT ACCEPT appointment as Acting Chief Director: Integrated Environmental Authorizations

Signed:

Date: 2022.



Private Bag X 447- PRETORIA -0001- Environment House -473 Steve Biko Road, Arcadia- PRETORIA

DFFE Reference: 14/12/16/3/3/1/2522
Enquiries: Mr Lunga Dlova
Telephone: (012) 399 8524 E-mail: LDlova@dffe.gov.za

Mr Anthony de Graaf Salsola PV (Pty) Ltd. 101, Block A, West Quay Building 7 West Quay Road, Waterfront CAPE TOWN 8000

Telephone Number:

021 418 2596

Cellphone Number:

084 401 9015

Email Address:

anthony@atlanticep.com

PER EMAIL / MAIL

Dear Mr De Graaf

APPLICATION FOR ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, ACT NO. 107 OF 1998, AS AMENDED: FOR THE CONSTRUCTION OF A 120 MW PHOTOVOLTAIC (PV) SOLAR ENERGY FACILITY (KNOWN AS THE SALSOLA PV) LOCATED ON THE REMAINING EXTENT (PORTION 0) OF FARM 423 APPROXIMATELY 12 KM SOUTH-EAST OF BEAUFORT WEST IN THE BEAUFORT WEST LOCAL MUNICIPALITY WITHIN THE CENTRAL KAROO DISTRICT MUNICIPALITY, WESTERN CAPE PROVINCE.

With reference to the above application, please be advised that the Department has decided to grant authorisation. The Environmental Authorisation (EA) and reasons for the decision are attached herewith.

In terms of Regulation 4(2) of the Environmental Impact Assessment Regulations, 2014, as amended (the EIA Regulations), you are instructed to notify all registered interested and affected parties, in writing and within fourteen (14) days of the date of the decision as well as the provisions regarding the submission of appeals that are contained in the Regulations.

In terms of the Promotion of Administrative Justice Act, Act No. 3 of 2000, you are entitled to the right to fair, lawful and reasonable administrative action; and to written reasons for administrative action that affects you negatively. Further your attention is drawn to the provisions of the Protection of Personal Information Act, Act No. 4 of 2013 which stipulate that the Department should conduct itself in a responsible manner when collecting, processing, storing and sharing an individual or another entity's personal information by holding the Department accountable should the Department abuse or compromise your personal information in any way.

Your attention is drawn to Chapter 2 of National Environmental Management Act, Act No. 107 of 1998 National Appeal Regulations published under Government Notice R993 in Government Gazette No. 38303 dated 08 December 2014 (National Appeal Regulations, 2014), which prescribes the appeal procedure to be followed. Kindly include a copy of this document (National Appeal Regulations, 2014) with the letter of notification to interested and affected parties in this matter.

Should any person wish to lodge an appeal against this decision, he/she must submit the appeal to the appeal administrator, and a copy of the appeal to the applicant, any registered interested and affected party, and any organ of state with interest in the matter within 20 days from the date that the notification of the decision was sent to the registered interested and affected parties by the applicant; or the date that the notification of the decision was sent to the applicant by the Department, whichever is applicable.

# Appeals must be submitted in writing in the prescribed form to:

The Director: Appeals and Legal Review of this Department at the below mentioned addresses.

By email: appeals@dffe.gov.za;

By hand: Environment House

473 Steve Biko

Arcadia

Pretoria

0083; or

By post: Private Bag X447

Pretoria

0001

Please note that in terms of Section 43(7) of the National Environmental Management Act, Act No. 107 of 1998, as amended, the lodging of an appeal will suspend the environmental authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged, you may not commence with the activity until such time that the appeal is finalised.

To obtain the prescribed appeal form and for guidance on the submission of appeals, please visit the Department's website at <a href="https://www.environment.gov.za/documents/forms#legal\_authorisations">https://www.environment.gov.za/documents/forms#legal\_authorisations</a> or request a copy of the documents at <a href="mailto:appeals@dffe.gov.za">appeals@dffe.gov.za</a>.

Yours faithfully

Meda

Ms Milicent Solomons

Acting Chief Director: Integrated Environmental Authorisations

Department of Forestry, Fisheries and the Environment

Date: 2007 2022.

CC:	Abrie Van Der Merwe	H B Van der Merwe Familietrust	Email: Abrievandermerwe@yahoo.com	
	Mr Danie Swanepoel	Department of Environmental Affairs and Development Planning		
	Denwin van Turha	Beaufort West Municipality	Email: enwint@beaufortwestmun.co.za	
	Mr Dale Holder	Cape Environmental Assessment Practitioners (Cape EAPrac)	Email: dale@cape-eaprac.co.za	

DFFE Reference: 14/12/16/3/3/1/2522

PROJECT TITLE: AN ENVIRONMENTAL AUTHORISATION FOR THE CONSTRUCTION OF A 120 MW PHOTOVOLTAIC (PV) SOLAR ENERGY FACILITY (KNOWN AS THE SALSOLA PV) LOCATED ON THE REMAINING EXTENT (PORTION 0) OF FARM 423 APPROXIMATELY 12 KM SOUTH-EAST OF BEAUFORT WEST IN THE BEAUFORT WEST LOCAL MUNICIPALITY WITHIN THE CENTRAL KAROO DISTRICT MUNICIPALITY, WESTERN CAPE PROVINCE



# **Environmental Authorisation**

In terms of Regulation 25 of the Environmental Impact Assessment Regulations, 2014, as amended

The construction of a 120 MW Photovoltaic (PV) Solar Energy Facility (known as The Salsola PV)

located on The Remaining Extent (Portion 0) of Farm 423 approximately 12 km South-East of Beaufort

West within the Beaufort West Local Municipality in the Western Cape Province

# Central Karoo District Municipality

Authorisation register number:	14/12/16/3/3/1/2522
Last amended:	First issue
Holder of authorisation:	Salsola PV (Pty) Ltd
Location of activity:	Western Cape Province: Portion 0 of Farm 423 on Ward 02 near Beaufort West within the Beaufort West Local Municipality in the Central Karoo District Municipality.

This authorisation does not negate the holder of the authorisation's responsibility to comply with any other statutory requirements that may be applicable to the undertaking of the activity.

# Decision

The Department is satisfied, on the basis of information available to it and subject to compliance with the conditions of this Environmental Authorisation, that the applicant should be authorised to undertake the activities specified below.

Non-compliance with a condition of this Environmental Authorisation may result in criminal prosecution or other actions provided for in the National Environmental Management Act, Act No. 107 of 1998, as amended and the EIA Regulations, 2014, as amended.

Details regarding the basis on which the Department reached this decision are set out in Annexure 1.

# Activities authorised

By virtue of the powers conferred on it by the National Environmental Management Act, Act No. 107 of 1998, as amended and the Environmental Impact Assessment Regulations, 2014, as amended, the Department hereby authorises –

SALSOLA PV (PTY) LTD.

(hereafter referred to as the holder of the authorisation)

with the following contact details -

Mr Anthony de Graaf Salsola PV (Pty) Ltd. 101, Block A, West Quay Building 7 West Quay Road, Waterfront CAPE TOWN. 8000

Telephone Number:

021 418 2596

Celiphone Number:

084 401 9015

Email Address:

anthony@atlanticep.com

to undertake the following activities (hereafter referred to as "the activity") indicated in Listing Notice 1, Listing Notice 2 and Listing Notice 3 of the EIA Regulations, 2014 as amended:

# Activity description Activity number The Salsola PV onsite substation will have a GN No. R.983 - Activity 11(i): capacity of up to 132 kilovolts. "The development of facilities or infrastructure for the transmission and distribution of electricity-(i) outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts;" The main access road for Salsola PV facility GN No. R.983 - Activity 12(ii)(a) & (c): crosses a non-perennial watercourse. The "The development of footprint of this main access road within 32 metres (ii) infrastructure or structures with a physical footprint of of the watercourse will exceed 100 square metres. 100 square metres or more; where such development occurs -(a) within a watercourse; (c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse; " The main access road for Salsola PV facility GN No. R. 983 - Activity 19: "The infilling or depositing of any material of more than crosses a non-perennial watercourse. The construction of this access road will require the 10 cubic metres into, or the dredging, excavation, movement of more than 10 cubic metres of soil removal or moving of soil, sand, shells, shell grit, pebbles from within this watercourse. or rock of more than 10 cubic metres from a watercourse; but excluding where such infilling, depositing, dredging, excavation, removal or moving -(a) will occur behind a development setback; (b) is for maintenance purposes undertaken in accordance with a maintenance management plan; (c) falls within the ambit of activity 21 in this Notice, in which case that activity applies; (d) occurs within existing ports or harbours that will not increase the development footprint of the port or harbour;

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development of a port or harbour, in which case activity	
26 in Listing Notice 2 of 2014 applies."	- 1/ 0 l l D) ( - 1/1 L D)
GN No. R.983 - Activity 24 (ii):	The main access road for Salsola PV facility will
The development of a road—	be up to 10 metres in width.
(ii) with a reserve wider than 13,5 meters, or where no	
reserve exists where the road is wider than 8 metres;	
GN No. R.983 - Activity 28 (ii):	The proposed Salsola PV facility is considered
"Residential, mixed, retail, commercial, industrial or	commercial / industrial use with a total footprint of
institutional developments where such land was used for	approximately 219 ha.
agriculture, game farming, equestrian purposes or	
afforestation on or after 01 April 1998 and where such	
development:	
(ii) will occur outside an urban area, where the total land	
to be developed is bigger than 1 hectare;"	
GN No. R.983 - Activity 56 (ii):	The Main access road to Salsola PV facility mainly
The widening of a road by more than 6 metres, or the	follows an existing farm access road. This existing
lengthening of a road by more than 1 kilometre—	farm access will be lengthened by more than 1
(ii) where no reserve exists, where the existing road is	kilometre.
wider than 8 metres;	
GN No. R.984 - Activity 1:	The proposed Salsola PV facility will have a
"The development of facilities or infrastructure for the	generation capacity of up to 120MWac.
generation of electricity from a renewable resource	
where the electricity output is 20 megawatts or more,	
excluding where such development of facilities or	
infrastructure is for photovoltaic installations and occurs	
-	
(a) within an urban area; or	
(b) on existing infrastructure."	
GN No. R.984 - Activity 15:	The proposed Salsola PV facility will have a total
"The clearance of an area of 20 hectares or more of	footprint of approximately 219 ha.
indigenous vegetation	

# Department of Forestry, Fisheries and the Environment Environmental Authorisation Reg. No. 14/12/16/3/3/1/2522

GN No. R.985 - Activity 4(i) - (ii)(aa):	The main access road for Salsola PV will be up to
"The development of a road wider than 4 metres with a	10m wide outside of an urban area containing
reserve less than 13,5 metres.	indigenous vegetation.
i. Western Cape	
ii. Areas outside urban areas; (aa) Areas containing	
indigenous vegetation;	
(aa) Areas containing indigenous vegetation."	
GN No. R.985 - Activity 18(i) - (ii)(aa):	The existing farm access will be widened and
"The widening of a road by more than 4 metres, or the	lengthened by more than 1km outside of an urban
lengthening of a road by more than 1 kilometre.	area.
i. Western Cape	
ii. All areas outside urban areas:	
(aa) Areas containing indigenous vegetation	

as described in the Basic Assessment Report (BAR) dated 24 May 2022 at:

# SG 21 Code: Details of the Salsola PV Site

Farm Details	21-digit Surveyor General No.	Beaufort West Local Municipality Ward
Portion 0 of Farm 423	C00900000000042300000	02

# Coordinates of the Salsola PV Site

Layout Alternative 1 (Preferred)	Latitude	Longitude
North-West Comer	32°23'31.65"S	22°41'48.11"E
North-East Comer	32°23'25.07"S	22°42'54.09"E
South-West Corner	32°24'12.36"S	22°42'00.14"E
South-East Corner	32°24'11.64"S	22°42'55.81"E
Access Road	Latitude	Longitude
Start	32°23'57.38"S	22°40'15.49"E
Middle	32°24'22.80"S	22°41'01.51"E
End	32°24'11.66"S	22°42'49.43"E
	02 2, 11.00 0	LL 10. 10 L

for the construction of a 120 MW Photovoltaic (PV) Solar Energy Facility (known as The Salsola PV) located on The Remaining Extent (Portion 0) of Farm 423 approximately 12 km South-East of Beaufort West in the Beaufort West Local Municipality within the Central Karoo District Municipality, Western Cape Province, hereafter referred to as "the property".

The technical details of the proposed 120 MWac Salsola PV facility are tabulated below.

	Site Details
Description and Size in hectares of the affected	Farm 423 (Portion 0).
property.	Total Property Size: 2667.0374 ha
Development Footprint	Approximately 219 ha
Tec	hnology Details
Capacity of facility (in MW)	Net generation (contracted) capacity of up to 120 MWac
Type of technology	Solar photovoltaic (PV) technology (monofacial or bifacial)
	with fixed, single or double axis tracking mounting
	structures, as well as associated infrastructure, which will
	include:
	Laydown area;
	Access and Internal Road network;
	Auxiliary buildings (33 kV switch room, gatehouse and
	security, control centre, office, warehouse, canteen &
	visitors centre, staff lockers etc.);
	Facility substation;
	Inverter-stations, transformers and internal electrical
	reticulation (underground cabling);
	Battery Energy Storage System (BESS);
	Rainwater Tanks; and
	Perimeter fencing and security infrastructure.
Structure height	Solar panels with a maximum height of ± 5.5 m above the
350	ground
Surface area to be covered (including associated infrastructure such as roads)	Approximately 219 ha

# Department of Forestry, Fisheries and the Environment Environmental Authorisation Reg. No. 14/12/16/3/3/1/2522

Structure orientation	Fixed-tilt: north-facing at a defined angle of tilt single or
	double axis tracking: mounted in a north-south orientation,
	tracking from east to west.
Laydown area dimensions	Approximately 2-5 ha laydown area will be required for the
Laydown area differisions	PV facility (the laydown areas will not exceed 5 ha and will
DE00	be situated within the assessed footprint).
BESS	Battery Energy Storage System (BESS).
	Area: up to ± 4 ha
	Capacity: Unspecified
	Technology: solid-state/ non-liquid type batteries.
	alld Grid Connection
Size and capacity of on-site substation	The maximum size of the facility substation will not exceed
Length and capacity of on-site power lines /	1 ha.
cabling.	The facility substation will collect the power from the facility
	and transform it from medium voltage (up to 33 kV) to high
	voltage (132 kV).
	The facility will include inverter-stations, transformers,
	switchgear and internal electrical reticulation (underground
	cabling) and lightning conductors up to 21 m.
	The on-site substation will connect directly to the proposed
	Bulskop Collector Switching Station.
Auxil	iary Infrastructure
Additional Infrastructure	Auxiliary buildings of approximately 1 ha, including (but not
	limited to) a 33 kV switch room, a gate house, ablutions,
	workshops, storage and warehousing areas, site offices and
	a control centre.
	Rainwater tanks; and Electrified perimeter fencing not
	exceeding 5 m in height.
Details of access roads	The access roads will not exceed 8 m in width. The access
	road will comprise of a new road, as well as the expansion
	of sections of the existing farm road.
Details of internal roads	A network of gravel internal access roads, each with a width
	85
Details of internal roads	

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Extent of areas required for laydown of	Approximately 2-5 ha of temporary laydown areas will be
materials and equipment	required (laydown areas will not exceed 5 ha). A permanent laydown area of a maximum of a 1 ha will remain for operations.

# Conditions of this Environmental Authorisation

# Scope of authorisation

- The construction of a 120 MW Photovoltaic (PV) Solar Energy Facility (known as The Salsola PV) located
  on The Remaining Extent (Portion 0) of Farm 423 approximately 12 km South-East of Beaufort West in the
  Beaufort West Local Municipality within the Central Karoo District Municipality, Western Cape Province is
  approved as per the geographic coordinates cited in the table above on page 05.
- 2. Authorisation of the activity is subject to the conditions contained in this Environmental Authorisation, which form part of the Environmental Authorisation and are binding on the holder of the authorisation.
- 3. The holder of the authorisation is responsible for ensuring compliance with the conditions contained in this Environmental Authorisation. This includes any person acting on the holder's behalf, including but not limited to, an agent, servant, contractor, sub-contractor, employee, consultant or person rendering a service to the holder of the authorisation.
- 4. The activities authorised may only be carried out at the property as described above.
- 5. Any changes to, or deviations from, the project description set out in this Environmental Authorisation must be approved, in writing, by the Department before such changes or deviations may be effected. In assessing whether to grant such approval or not, the Department may request such information as it deems necessary to evaluate the significance and impacts of such changes or deviations and it may be necessary for the holder of the authorisation to apply for further Environmental Authorisation in terms of the regulations.
- 6. The holder of an Environmental Authorisation must apply for an amendment of the Environmental Authorisation with the Competent Authority for any alienation, transfer or change of ownership rights in the property on which the activity is to take place.
- 7. This activity must commence within a period of ten (10) years from the date of issue of this Environmental Authorisation. If commencement of the activity does not occur within that period, the authorisation lapses and a new application for Environmental Authorisation must be made in order for the activity to be undertaken.
- 8. Construction must be completed within five (05) years of the commencement of the activity on site.

Commencement with one activity listed in terms of this environmental authorisation constitutes commencement of all authorised activities.

# Notification of authorisation and right to appeal

- 10. The holder of the authorisation must notify every registered interested and affected party, in writing and within 14 (fourteen) calendar days of the date of this Environmental Authorisation, of the decision to authorise the activity.
- 11. The notification referred to must -
  - 11.1. specify the date on which the authorisation was issued;
  - 11.2. inform the interested and affected party of the appeal procedure provided for in the National Appeal Regulations, 2014;
  - 11.3. advise the interested and affected party that a copy of the authorisation will be furnished on request; and
  - 11.4. give the reasons of the Competent Authority for the decision.

# Commencement of the activity

12. The authorised activity shall not commence until the period for the submission of appeals has lapsed as per the National Appeal Regulations, 2014, and no appeal has been lodged against the decision. In terms of Section 43(7), an appeal under Section 43 of the National Environmental Management Act, Act No. 107 of 1998, as amended will suspend the Environmental Authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged you may not commence with the activity until such time that the appeal has been finalised.

## Management of the activity

- The site layout plans as attached as Appendix A (Location and Topographical Plans) and D (Facility Layout Plans Salsola PV) of the BAR dated 24 May 2022 is approved.
- 14. The Environmental Management Programme (EMPr) submitted as part of the BAR dated 24 May 2022 is approved and must be implemented and adhered to.
- 15. The EMPr must be implemented and strictly enforced during all phases of the project. It shall be seen as a dynamic document and shall be included in all contract documentation for all phases of the development when approved.

- Changes to the approved EMPr must be submitted in accordance to the EIA Regulations applicable at the time.
- The Department reserves the right to amend the approved EMPr should any impacts that were not anticipated or covered in the BAR be discovered.

# Frequency and process of updating the EMPr

- 18. The EMPr must be updated where the findings of the environmental audit reports, contemplated in Condition 25 below, indicate insufficient mitigation of environmental impacts associated with the undertaking of the activity, or insufficient levels of compliance with the environmental authorisation or EMPr.
- The updated EMPr must contain recommendations to rectify the shortcomings identified in the environmental audit report.
- 20. The updated EMPr must be submitted to the Department for approval together with the environmental audit report, as per Regulation 34 of the EIA Regulations, 2014 as amended. The updated EMPr must have been subjected to a public participation process, which process has been agreed to by the Department, prior to submission of the updated EMPr to the Department for approval.
- 21. In assessing whether to grant approval of an EMPr which has been updated as a result of an audit, the Department will consider the processes prescribed in Regulation 35 of the EIA Regulations, 2014 as amended. Prior to approving an amended EMPr, the Department may request such amendments to the EMPr as it deems appropriate to ensure that the EMPr sufficiently provides for avoidance, management and mitigation of environmental impacts associated with the undertaking of the activity.
- 22. The holder of the authorisation must apply for an amendment of an EMPr, if such amendment is required before an audit is required. The amendment process is prescribed in Regulation 37 of the EIA Regulations, 2014, as amended. The holder of the authorisation must request comments on the proposed amendments to the impact management outcomes of the EMPr or amendments to the closure objectives of the closure plan from potentially interested and affected parties, including the competent authority, by using any of the methods provided for in the Act for a period of at least 30 days.

#### Monitoring

23. The holder of the authorisation must appoint an experienced Environmental Control Officer (ECO) for the construction phase of the development that will have the responsibility to ensure that the mitigation/rehabilitation measures and recommendations referred to in this environmental authorisation are implemented and to ensure compliance with the provisions of the approved EMPr.

- 23.1. The ECO must be appointed before commencement of any authorised activities.
- 23.2. Once appointed, the name and contact details of the ECO must be submitted to the Director. Compliance Monitoring of the Department.
- 23.3. The ECO must keep record of all activities on site, problems identified, transgressions noted and a fask schedule of tasks undertaken by the ECO.
- 23.4. The ECO must remain employed until all rehabilitation measures, as required for implementation due to construction damage, are completed and the site is ready for operation.

# Recording and reporting to the Department

- 24. All documentation e.g. audit/monitoring/compliance reports and notifications, required to be submitted to the Department in terms of this environmental authorisation, must be submitted to the Director: Compliance Monitoring of the Department.
- 25. The holder of the environmental authorisation must, for the period during which the environmental authorisation and EMPr remain valid, ensure that project compliance with the conditions of the environmental authorisation and the EMPr are audited, and that the audit reports are submitted to the Director: Compliance Monitoring of the Department.
- 26. The frequency of auditing and of submission of the environmental audit reports must be as per the frequency indicated in the EMPr, taking into account the processes for such auditing as prescribed in Regulation 34 of the EIA Regulations, 2014 as amended.
- 27. The holder of the authorisation must, in addition, submit environmental audit reports to the Department within 30 days of completion of the construction phase (i.e. within 30 days of site handover) and a final environmental audit report within 30 days of completion of rehabilitation activities.
- 28. The environmental audit reports must be compiled in accordance with Appendix 7 of the EIA Regulations, 2014 as amended and must indicate the date of the audit, the name of the auditor and the outcome of the audit in terms of compliance with the environmental authorisation conditions as well as the requirements of the approved EMPr.
- Records relating to monitoring and auditing must be kept on site and made available for inspection to any
  relevant and competent authority in respect of this development.

## Notification to authorities

30. A written notification of commencement must be given to the Department no later than fourteen (14) days prior to the commencement of the activity. Commencement for the purposes of this condition includes site preparation. The notice must include a date on which it is anticipated that the activity will commence, as well as a reference number.

#### Operation of the activity

31. A written notification of operation must be given to the Department no later than fourteen (14) days prior to the commencement of the activity operational phase.

## Site closure and decommissioning

32. Should the activity ever cease or become redundant, the holder of the authorisation must undertake the required actions as prescribed by legislation at the time and comply with all relevant legal requirements administered by any relevant and Competent Authority at that time.

#### Specific conditions

- 33. The footprint of the development must be limited to the areas required for actual construction works and operational activities.
- 34. No activities will be allowed to encroach into a water resource without a water use authorisation being in place from the Department of Water and Sanitation.
- 35. Any evidence of archaeological sites or remains (e.g. remnants of stone-made structures, indigenous ceramics, bones, stone artefacts, ostrich eggshell fragments, and charcoal and ash concentrations), fossils, burials or other categories of heritage resources are found during the proposed development, work must cease in the vicinity of the find and Heritage Western Cape must be alerted immediately to determine an appropriate way forward.
- The Heritage Western Cape Chance Fossil Finds Procedure must be implemented for the duration of construction activities.
- 37. No impact must occur to the abandoned Werf identified at BLK055 and as such, a 50m no-go buffer around this site must be implemented.

- No exotic plants may be used for rehabilitation purposes. Only indigenous plants of the area may be utilised.
- 39. Vegetation clearing must be kept to an absolute minimum. Mitigation measures as specified in the BAR dated 24 May 2022 must be implemented to reduce the risk of erosion and the invasion of alien species.
- 40. An integrated waste management approach must be implemented that is based on waste minimisation and must incorporate reduction, recycling, re-use and disposal where appropriate. Any solid waste must be disposed of at a landfill licensed in terms of Section 20 (b) of the National Environment Management Waste Act, 2008 (Act No.59 of 2008).

#### General

- 41. A copy of this Environmental Authorisation, the audit and compliance monitoring reports, and the approved EMPr, must be made available for inspection and copying-
  - 41.1. at the site of the authorised activity;
  - 41.2. to anyone on request; and
  - 41.3. where the holder of the Environmental Authorisation has a website, on such publicly accessible website.
- 42. National government, provincial government, local authorities or committees appointed in terms of the conditions of this authorisation or any other public authority shall not be held responsible for any damages or losses suffered by the holder of the authorisation or his/her successor in title in any instance where construction or operation subsequent to construction be temporarily or permanently stopped for reasons of non-compliance by the holder of the authorisation with the conditions of authorisation as set out in this document or any other subsequent document emanating from these conditions of authorisation.

Date of Environmental Authorisation: <u>aの</u>しっ | <u>a</u>の a & .

Ms Milicent Solomons

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Acting Chief Director: Integrated Environmental Authorisations

Department of Forestry, Fisheries and the Environment

# Annexure 1: Reasons for Decision

# 1. Information considered in making the decision

In reaching its decision, the Department took, inter alia, the following into consideration -

- a) The listed activities as applied for in the application form received on 13 April 2022.
- b) The information contained in the BAR dated 24 May 2022.
- c) The comments received from Heritage Western Cape, Department of Water and Sanitation, Eskom, Department of Environmental Affairs and Development Planning, Department of Forestry, Fisheries and the Environment and interested and affected parties as included in the BAR dated 24 May 2022.
- d) Mitigation measures as proposed in the BAR and the EMPr.
- e) The information contained in the specialist studies contained within the appendices of the BAR dated 24 May 2022 and as appears below:

Title	Prepared by	Date
Terrestrial Biodiversity	The Biodiversity Company	October 2021
Avifaunal Impact Assessment	The Biodiversity Company	April 2022
Plant Species, Animal Species, and Aquatic Biodiversity	The Biodiversity Company	October 2021
Agricultural Impact Assessment	Johan Lanz	24 February 2022
Palaeontology Impact Assessment	John Almond	September 2021
Cultural Landscape Assessment	Sarah Winter in association with Nicolas Baumann and Wendy Wilson	4 November 2021
Archaeology and Heritage	CTS Heritage	November 2021
Visual Impact Assessment	Visual Resource Management Africa cc	26 Nov 2021
Socio-Economic Impact Assessment	Tony Barbour	October 2021
Traffic Impact Assessment	JG Afrika	April 2022
Town and Regional Planning	Townscape Planning Solutions	12 April 2022
Geotechnical	BareRock Consulting	20 May 2022
EMPr	Cape EAPrac Environmental Assessment Practitioners	24 May 2022

# 2. Key factors considered in making the decision

All information presented to the Department was taken into account in the Department's consideration of the application. A summary of the issues which, in the Department's view, were of the most significance is set out below.

- a) The findings of all the specialist studies conducted and their recommended mitigation measures.
- b) The need for the proposed project stems from the provision of electricity to the national grid
- c) The BAR dated 24 May 2022 identified all legislation and guidelines that have been considered in the preparation of the BAR.
- d) The location of the construction of a 120 MW Photovoltaic (PV) Solar Energy Facility (known as The Salsola PV).
- e) The methodology used in assessing the potential impacts identified in the BAR dated 24 May 2022 and the specialist studies have been adequately indicated.
- f) A sufficient public participation process was undertaken and the applicant has satisfied the minimum requirements as prescribed in the EIA Regulations, 2014 as amended for public involvement.

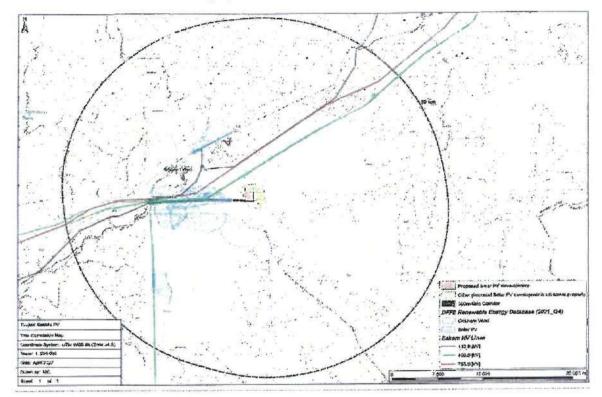
# 3. Findings

After consideration of the information and factors listed above, the Department made the following findings -

- a) The identification and assessment of impacts are detailed in the BAR dated 24 May 2022 and sufficient assessment of the key identified issues and impacts have been completed.
- b) The procedure followed for impact assessment is adequate for the decision-making process.
- c) The information contained in the BAR dated 24 May 2022 is deemed to be accurate and credible.
- d) The proposed mitigation of impacts identified and assessed adequately curtails the identified impacts.
- e) EMPr measures for the pre-construction, construction and rehabilitation phases of the development were proposed and included in the BAR and will be implemented to manage the identified environmental impacts during the construction phase.

In view of the above, the Department is satisfied that, subject to compliance with the conditions contained in the environmental authorisation, the authorised activities will not conflict with the general objectives of integrated environmental management laid down in Chapter 5 of the National Environmental Management Act, 1998 and that any potentially detrimental environmental impacts resulting from the authorised activities can be mitigated to acceptable levels. The environmental authorisation is accordingly granted.

# Annexure 2: Locality Plan: 120 MW Photovoltaic (PV) Solar Energy Facility (known as The Salsola PV)





Privets Bag X447 PRETORIA 0001 Environment House • 473 Steve Biko Road, Arcadia: PRETORIA Tei(+27 12 ) 399 8000

Enquiries: Devinegie Bendeman Telephone: 012 399 9337 E-mail: ybondeman@dffe.gov.za

Ms. Milicent Solomons
Director. Prioritized Infrastructure Projects

Dear Mrs Solomons

Yours sincerely

APPOINTMENT AS ACTING CHIEF DIRECTOR: INTEGRATED ENVIRONMENTAL AUTHORIZATIONS FOR THE PERIOD OF 25 APRIL 2022 UNTIL 31 OCTOBER 2022

I hereby inform you that I have decided to appoint you as the Acting Chief Director: Integrated Environmental Authorizations for the period of 25 April to 31 October 2022 whilst Mr Sabelo Malaza is fulfilling his temporary reassignment function at the Forestry Branch.

All the correspondence and other documents that are usually signed by the Chief Director: Integrated Environmental Authorizations must be signed under Acting Chief Director: Integrated Environmental Authorizations during the above-mentioned period.

Your appointment in the above acting position remains subject to the provisions of the Public Service Act, 1994 (Proclamation No. 103 of 1994), as amended, the Government Employees Pension Fund Act, 1996 (Proclamation No. 21 of 1996), the regulations promulgated under these Acts and relevant circulars.

In the execution of your duties and the exercising of the powers delegated to you, you will furthermore be subjected to the provisions of the Public Finance Management Act, compliance with the Promotion of Access to Information Act, Promotion of Administrative Justice Act, the Minimum Information Security Standard, Departmental Policies and other applicable legislations with the Republic of South Africa. You are therefore advised to make yourself familiar with the provisions of these legislations and policies and the amendments thereof. (Copies of Departmental policies can be obtained from the Human Resource Office).

Please accept my heartfelt gratitude for all your assistance on behalf of the department.

Ms Devinagle Bendeman
Deputy Director-General: RCSM (Regulatory Compilance and Sector Monitoring)
Date 20 April 2022

**ACKNOWLEDGEMENT** 

ACCEPT / DO NOT ACCEPT appointment as Acting Chief Director. Integrated Environmental Authorizations

Signed

Date:

20/04/2002



Private Bag X 447: PRETORIA :0001: Environment House 4/9 Stove Blko Road, Areadia: PRETORIA

DFFE Reference: 14/12/16/3/3/1/2517
Enquiries: Mr Lunga Dlova
Telephone: (012) 399 8524 E-mail: LDlova@dffe.gov.za

Mr Anthony de Graaf Bulskop PV (Pty) Ltd. 101, Block A, West Quay Building 7 West Quay Road, Waterfront CAPE TOWN 8000

Telephone Number:

021 418 2596

Cellphone Number:

084 401 9015

Email Address:

anthony@atlanticep.com

## PER EMAIL / MAIL

Dear Mr De Graaf

APPLICATION FOR ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, ACT NO. 107 OF 1998, AS AMENDED: FOR THE CONSTRUCTION OF A 120 MW PHOTOVOLTAIC (PV) SOLAR ENERGY FACILITY (KNOWN AS THE BULSKOP PV) LOCATED ON THE REMAINING EXTENT (PORTION 0) OF FARM 423 APPROXIMATELY 12 KM SOUTH-EAST OF BEAUFORT WEST IN THE BEAUFORT WEST LOCAL MUNICIPALITY WITHIN THE CENTRAL KAROO DISTRICT MUNICIPALITY, WESTERN CAPE PROVINCE

With reference to the above application, please be advised that the Department has decided to grant authorisation. The Environmental Authorisation (EA) and reasons for the decision are attached herewith.

In terms of Regulation 4(2) of the Environmental Impact Assessment Regulations, 2014, as amended (the EIA Regulations), you are instructed to notify all registered interested and affected parties, in writing and within fourteen (14) days of the date of the decision as well as the provisions regarding the submission of appeals that are contained in the Regulations.

In terms of the Promotion of Administrative Justice Act, Act No. 3 of 2000, you are entitled to the right to fair, lawful and reasonable administrative action; and to written reasons for administrative action that affects you negatively. Further your attention is drawn to the provisions of the Protection of Personal Information Act, Act No. 4 of 2013 which stipulate that the Department should conduct itself in a responsible manner when collecting, processing, storing and sharing an individual or another entity's personal information by holding the Department accountable should the Department abuse or compromise your personal information in any way.

Your attention is drawn to Chapter 2 of National Environmental Management Act, Act No. 107 of 1998 National Appeal Regulations published under Government Notice R993 in Government Gazette No. 38303 dated 08 December 2014 (National Appeal Regulations, 2014), which prescribes the appeal procedure to be followed. Kindly include a copy of this document (National Appeal Regulations, 2014) with the letter of notification to interested and affected parties in this matter.

Should any person wish to lodge an appeal against this decision, he/she must submit the appeal to the appeal administrator, and a copy of the appeal to the applicant, any registered interested and affected party, and any organ of state with interest in the matter within 20 days from the date that the notification of the decision was sent to the registered interested and affected parties by the applicant; or the date that the notification of the decision was sent to the applicant by the Department, whichever is applicable.

# Appeals must be submitted in writing in the prescribed form to:

The Director: Appeals and Legal Review of this Department at the below mentioned addresses.

By email: appeals@dffe.gov.za;

By hand: Environment House

473 Steve Biko

Arcadia

Pretoria

0083; or

By post: Private Bag X447

Pretoria

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Please note that in terms of Section 43(7) of the National Environmental Management Act, Act No. 107 of 1998, as amended, the lodging of an appeal will suspend the environmental authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged, you may not commence with the activity until such time that the appeal is finalised.

To obtain the prescribed appeal form and for guidance on the submission of appeals, please visit the Department's website at <a href="https://www.environment.gov.za/documents/forms#legal\_authorisations">https://www.environment.gov.za/documents/forms#legal\_authorisations</a> or request a copy of the documents at <a href="mailto:appeals@dffe.gov.za">appeals@dffe.gov.za</a>.

Yours faithfully

Ms Millicent Solomons

Acting Chief Director: Integrated Environmental Authorisations

Department of Forestry, Fisheries and the Environment

Date: 19/07/2022.

CC:	Abrie Van Der Merwe	HB Van der Merwe Familietrust	Email: Abrievandermerwe@yahoo.com
	Mr Danie Swanepoel	Department of Environmental Affairs and Development Planning	Email: DEADPEIAAdmin.George@westerncape.gov.za
	Denwin van Turha	Beaufort West Municipality	Email: enwint@beaufortwestmun.co.za
	Mr Dale Holder	Cape Environmental Assessment Practitioners (Cape EAPrac)	Email: dale@cape-eaprac.co.za

DFFE Reference: 14/12/16/3/3/1/2517

PROJECT TITLE: AN ENVIRONMENTAL AUTHORISATION FOR THE CONSTRUCTION OF A 120 MW PHOTOVOLTAIC (PV) SOLAR ENERGY FACILITY (KNOWN AS THE BULSKOP PV) LOCATED ON THE REMAINING EXTENT (PORTION 0) OF FARM 423 APPROXIMATELY 12 KM SOUTH-EAST OF BEAUFORT WEST IN THE BEAUFORT WEST LOCAL MUNICIPALITY WITHIN THE CENTRAL KAROO DISTRICT MUNICIPALITY, WESTERN CAPE PROVINCE



# **Environmental Authorisation**

In terms of Regulation 25 of the Environmental Impact Assessment Regulations, 2014, as amended

The construction of a 120 MW Photovoltaic (PV) Solar Energy Facility (known as The Bulskop PV)

located on The Remaining Extent (Portion 0) of Farm 423 approximately 12 km South-East of Beaufort

West within the Beaufort West Local Municipality in the Western Cape Province

# Central Karoo District Municipality

Authorisation register number:	14/12/16/3/3/1/2517	
Last amended:	First issue	
Holder of authorisation:	Bulskop PV (Pty) Ltd	
Location of activity:	Western Cape Province: Portion 0 of Farm 423 on Ward 02 near Beaufort West within the Beaufort West Local Municipality in the Central Karoo District Municipality.	

This authorisation does not negate the holder of the authorisation's responsibility to comply with any other statutory requirements that may be applicable to the undertaking of the activity.

# Decision

The Department is satisfied, on the basis of information available to it and subject to compliance with the conditions of this Environmental Authorisation, that the applicant should be authorised to undertake the activities specified below.

Non-compliance with a condition of this Environmental Authorisation may result in criminal prosecution or other actions provided for in the National Environmental Management Act, Act No. 107 of 1998, as amended and the EIA Regulations, 2014, as amended.

Details regarding the basis on which the Department reached this decision are set out in Annexure 1.

# **Activities authorised**

By virtue of the powers conferred on it by the National Environmental Management Act, Act No. 107 of 1998, as amended and the Environmental Impact Assessment Regulations, 2014, as amended, the Department hereby authorises –

BULSKOP PV (PTY) LTD.

(hereafter referred to as the holder of the authorisation)

with the following contact details -

Mr Anthony de Graaf Bulskop PV (Pty) Ltd. 101, Block A, West Quay Building 7 West Quay Road, Waterfront CAPE TOWN. 8000

Telephone Number:

021 418 2596

Cellphone Number:

084 401 9015

Email Address:

anthony@atlanticep.com

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to undertake the following activities (hereafter referred to as "the activity") indicated in Listing Notice 1, Listing Notice 2 and Listing Notice 3 of the EIA Regulations, 2014 as amended:

Activity number	Activity description
GN No. R.983 - Activity 11(i):	The Bulskop PV onsite substation will have a capacity
"The development of facilities or infrastructure for	of up to 132 kilovolts.
the transmission and distribution of electricity—	
(i) outside urban areas or industrial complexes with	·
a capacity of more than 33 but less than 275	
kilovolts;"	
GN No. R.983 - Activity 12(ii)(a) & (c):	The main access road for Bulskop PV crosses a
"The development of -	watercourse. The footprint of this main access road
(ii) infrastructure or structures with a physical	within 32 m of the watercourse will exceed 100 square
footprint of 100 square metres or more;	metres.
where such development occurs -	
(a) within a watercourse;	
(c) if no development setback exists, within 32	
metres of a watercourse, measured from the edge	
of a watercourse; "	
GN No. R. 983 - Activity 19:	The main access road for Bulskop PV crosses a dry
"The infilling or depositing of any material of more	watercourse. The construction of this access road will
than 10 cubic metres into, or the dredging,	require the movement of more than 10 cubic metres of
excavation, removal or moving of soil, sand, shells,	soil from within this watercourse.
shell grit, pebbles or rock of more than 10 cubic	
metres from a watercourse; but excluding where	
such infilling, depositing, dredging, excavation,	
removal or moving -	
(a) will occur behind a development setback;	
(b) is for maintenance purposes undertaken in	
accordance with a maintenance management plan;	
(c) falls within the ambit of activity 21 in this Notice,	
in which case that activity applies;	

n Reg. No. 14/12/10/3/3/1/2017
The main access road for Bulskop PV will up to 10
metres in width.
The proposed Bulskop PV is considered commercial /
industrial use with a total footprint of approximately 268
ha.
The Main access road to Bulskop PV follows an
existing farm access (which is wider than 10 m at the
intersection with the R61). This existing farm access
will be lengthened by more than 1 kilometre.
The proposed Bulskop PV will have a generation
capacity of up to 120 MWac.

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GN No. R.984 - Activity 15:	The proposed Bulskop PV will have a total footprint of
"The clearance of an area of 20 hectares or more of	approximately 268 ha.
indigenous vegetation	
GN No. R.985 - Activity 4(i) - (ii)(aa):	The main access road for Bulskop PV will be up to 10
"The development of a road wider than 4 metres	m wide outside of an urban area containing indigonous
with a reserve less than 13,5 metres.	vegetation.
i. Western Cape	
ii. Areas outside urban areas; (aa) Areas containing	
indigenous vegetation;	
(aa) Areas containing indigenous vegetation."	
GN No. R.985 - Activity 12(i)(ii):	Portions of the proposed Bulskop PV fall within a CBA
"The clearance of an area of 300 square metres or	1 and CBA2 in terms of the Western Cape Biodiversity
more of indigenous vegetation except where such	Spatial Plan. The clearance of more than 300 square
clearance of indigenous vegetation is required for	metres will be required within these CBA's.
maintenance purposes undertaken in accordance	
with a maintenance management plan.	
i. Western Cape	
ii. Within critical biodiversity areas identified in	
bioregional plans;"	
GN No. R.985 - Activity 18(i) - (ii)(aa):	The existing farm access will widened and lengthened
"The widening of a road by more than 4 metres, or	by more than 1 km outside of an urban area.
the lengthening of a road by more than 1 kilometre.	
I. Western Cape	
ii. All areas outside urban areas:	
(aa) Areas containing indigenous vegetation	

as described in the Basic Assessment Report (BAR) dated 24 May 2022 at:

# SG 21 Code: Details of the Bulskop PV Site

Farm Details	21-digit Surveyor General No.	Beaufort West Local Municipality Ward
Portion 0 of Farm 423	C00900000000042300000	02

# Coordinates of the Bulskop PV Site

Layout Alternative 1 (Preferred)	Latitude	Longitude
North West Corner	32°24'11.60"S	22°42'57.91"E
North-East Corner	32°24'4.69"S	22°44'16.50"E
South-West Corner	32°24'17.49"S	22°42'58.05"E
South-East Corner	32°25'14.24"S	22°44'30.46"E
Access Road	Latitude	Longitude
Start	32°23'57.38"S	22°40'15.49"E
Middle	32°24'22.80"S	22°41'01.51"E
End	32°24'16.92"S	22°43'2.50"E

- for the construction of a 120 MW Photovoltaic (PV) Solar Energy Facility (known as The Bulskop PV) located on The Remaining Extent (Portion 0) of Farm 423 approximately 12 km South-East of Beaufort West in the Beaufort West Local Municipality within the Central Karoo District Municipality, Western Cape Province, hereafter referred to as "the property".

The technical details of the proposed 120 MWac Bulskop PV facility are tabulated below.

	Site Defails
Description and Size in hectares of the affected property.	Farm 423 (Portion 0). Total Property Size: 2667.0374 ha
Development Footprint	Approximately 268 ha
Tech	nology Details
Capacity of facility (in MW)	Net generation (contracted) capacity of up to 120 MWac
Type of technology	<ul> <li>Solar photovoltaic (PV) technology (monofacial or bifacial) with fixed, single or double axis tracking mounting structures, as well as associated infrastructure, which will include:</li> <li>Laydown area;</li> <li>Access and Internal Road network;</li> </ul>

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Environmental Actions	• Auxiliary buildings (33 kV switch room, gatehouse and
	security, control centre, office, warehouse, canteen &
	visitors centre, staff lockers etc.);
	Facility substation;
	Inverter-stations, transformers and internal electrical
	reticulation (underground cabling);
	Battery Energy Storage System (BESS);
	Rainwater Tanks; and
	Perimeter fencing and security infrastructure.
Structure height	Solar panels with a maximum height of ± 5.5 m above the
Causiolo neign	ground
Surface area to be covered (including	Approximately 268 ha
associated infrastructure such as roads)	ripproximately 200 nd
Structure orientation	Fixed-tilt: north-facing at a defined angle of tilt single or
Statial Colonial Col	double axis tracking: mounted in a north-south orientation,
	tracking from east to west.
Laydown area dimensions	Approximately 2-5 ha laydown area will be required for the
Layuowii area aimensions	PV facility (the laydown areas will not exceed 5 ha and will
	be situated within the assessed footprint).
BESS	Battery Energy Storage System (BESS).
2200	Area: up to ± 4 ha
	Capacity: Unspecified
	Technology: solid-state/ non-liquid type batteries.
Own-Buil	d Grid Connection
Size and capacity of on-site substation	The maximum size of the facility substation will not exceed
Length and capacity of on-site power lines /	1 ha.
cabling.	The facility substation will collect the power from the facility
odbing.	and transform it from medium voltage (up to 33 kV) to high
	voltage (132 kV).
	The facility will include inverter-stations, transformers,
	switchgear and internal electrical reticulation
	(underground cabling) and lightning conductors up to 21
	m.
	III.

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### Department of Forestry, Fisheries and the Environment Environmental Authorisation Reg. No. 14/12/16/3/3/1/2517

3.	The on-site substation will connect directly to the proposed Bulskop Collector Switching Station1.
Auxilia	ry Infrastructure
Additional infrastructure	Auxiliary buildings of approximately 1 ha, including (but not limited to) a 33 kV switch room, a gate house, ablutions, workshops, storage and warehousing areas, site offices and a control centre.  Rainwater tanks; and Electrified perimeter fencing not exceeding 5 m in height.
Details of access roads	The access roads will not exceed 8 m in width. The access road will comprise of a new road, as well as the expansion of sections of the existing farm road.
Details of internal roads	A network of gravel internal access roads, each with a width of up to ± 5 m, will be constructed to provide access to the various components of the facility.
Extent of areas required for laydown of materials and equipment	Approximately 2-5 ha of temporary laydown areas will be required (laydown areas will not exceed 5 ha). A permanent laydown area of a maximum of a 1 ha will remain for operations.

# Conditions of this Environmental Authorisation

# Scope of authorisation

- The construction of a 120 MW Photovoltaic (PV) Solar Energy Facility (known as The Bulskop PV) located
  on The Remaining Extent (Portion 0) of Farm 423 approximately 12 km South-East of Beaufort West in the
  Beaufort West Local Municipality within the Central Karoo District Municipality, Western Cape Province is
  approved as per the geographic coordinates cited in the table above on page 06.
- 2. Authorisation of the activity is subject to the conditions contained in this Environmental Authorisation, which form part of the Environmental Authorisation and are binding on the holder of the authorisation.
- 3. The holder of the authorisation is responsible for ensuring compliance with the conditions contained in this Environmental Authorisation. This includes any person acting on the holder's behalf, including but not limited to, an agent, servant, contractor, sub-contractor, employee, consultant or person rendering a service to the holder of the authorisation.



- 4. The activities authorised may only be carried out at the property as described above.
- 5. Any changes to, or deviations from, the project description set out in this Environmental Authorisation must be approved, in writing, by the Department before such changes or deviations may be effected. In assessing whether to grant such approval or not, the Department may request such information as it deems necessary to evaluate the significance and impacts of such changes or deviations and it may be necessary for the holder of the authorisation to apply for further Environmental Authorisation in terms of the regulations.
- 6. The holder of an Environmental Authorisation must apply for an amendment of the Environmental Authorisation with the Competent Authority for any alienation, transfer or change of ownership rights in the property on which the activity is to take place.
- 7. This activity must commence within a period of ten (10) years from the date of issue of this Environmental Authorisation. If commencement of the activity does not occur within that period, the authorisation lapses and a new application for Environmental Authorisation must be made in order for the activity to be undertaken.
- 8. Construction must be completed within five (05) years of the commencement of the activity on site.
- Commencement with one activity listed in terms of this environmental authorisation constitutes commencement of all authorised activities.

# Notification of authorisation and right to appeal

- 10. The holder of the authorisation must notify every registered interested and affected party, in writing and within 14 (fourteen) calendar days of the date of this Environmental Authorisation, of the decision to authorise the activity.
- 11. The notification referred to must -
  - 11.1. specify the date on which the authorisation was issued;
  - 11.2. inform the interested and affected party of the appeal procedure provided for in the National Appeal Regulations, 2014;
  - 11.3. advise the interested and affected party that a copy of the authorisation will be furnished on request;
    and
  - 11.4. give the reasons of the Competent Authority for the decision.

# Commencement of the activity

12. The authorised activity shall not commence until the period for the submission of appeals has lapsed as per the National Appeal Regulations, 2014, and no appeal has been lodged against the decision. In terms of Section 43(7), an appeal under Section 43 of the National Environmental Management Act, Act No. 107 of 1998, as amended will suspend the Environmental Authorisation or any provision or condition.

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attached thereto. In the instance where an appeal is lodged you may not commence with the activity until such time that the appeal has been finalised.

# Management of the activity

- The site layout plans as attached as Appendix A (Location and Topographical Plans) and D (Facility Layout Plans Bulskop PV) of the BAR dated 24 May 2022 is approved.
- 14. The Environmental Management Programme (EMPr) submitted as part of the BAR dated 24 May 2022 is approved and must be implemented and adhered to.
- 15. The EMPr must be implemented and strictly enforced during all phases of the project. It shall be seen as a dynamic document and shall be included in all contract documentation for all phases of the development when approved.
- Changes to the approved EMPr must be submitted in accordance to the EIA Regulations applicable at the time.
- 17. The Department reserves the right to amend the approved EMPr should any impacts that were not anticipated or covered in the BAR be discovered.

# Frequency and process of updating the EMPr

- 18. The EMPr must be updated where the findings of the environmental audit reports, contemplated in Condition 25 below, indicate insufficient mitigation of environmental impacts associated with the undertaking of the activity, or insufficient levels of compliance with the environmental authorisation or EMPr.
- 19. The updated EMPr must contain recommendations to rectify the shortcomings identified in the environmental audit report.
- 20. The updated EMPr must be submitted to the Department for approval together with the environmental audit report, as per Regulation 34 of the EIA Regulations, 2014 as amended. The updated EMPr must have been subjected to a public participation process, which process has been agreed to by the Department, prior to submission of the updated EMPr to the Department for approval.
- 21. In assessing whether to grant approval of an EMPr which has been updated as a result of an audit, the Department will consider the processes prescribed in Regulation 35 of the EIA Regulations, 2014 as amended. Prior to approving an amended EMPr, the Department may request such amendments to the EMPr as it deems appropriate to ensure that the EMPr sufficiently provides for avoidance, management and mitigation of environmental impacts associated with the undertaking of the activity.
- 22. The holder of the authorisation must apply for an amendment of an EMPr, if such amendment is required before an audit is required. The amendment process is prescribed in Regulation 37 of the EIA Regulations,

2014, as amended. The holder of the authorisation must request comments on the proposed amendments to the impact management outcomes of the EMPr or amendments to the closure objectives of the closure plan from potentially interested and affected parties, including the competent authority, by using any of the methods provided for in the Act for a period of at least 30 days.

# Monitoring

- 23. The holder of the authorisation must appoint an experienced Environmental Control Officer (ECO) for the construction phase of the development that will have the responsibility to ensure that the mitigation/rehabilitation measures and recommendations referred to in this environmental authorisation are implemented and to ensure compliance with the provisions of the approved EMPr.
  - 23.1. The ECO must be appointed before commencement of any authorised activities.
  - 23.2. Once appointed, the name and contact details of the ECO must be submitted to the Director: Compliance Monitoring of the Department.
  - 23.3. The ECO must keep record of all activities on site, problems identified, transgressions noted and a task schedule of tasks undertaken by the ECO.
  - 23.4. The ECO must remain employed until all rehabilitation measures, as required for implementation due to construction damage, are completed and the site is ready for operation.

# Recording and reporting to the Department

- 24. All documentation e.g. audit/monitoring/compliance reports and notifications, required to be submitted to the Department in terms of this environmental authorisation, must be submitted to the Director: Compliance Monitoring of the Department.
- 25. The holder of the environmental authorisation must, for the period during which the environmental authorisation and EMPr remain valid, ensure that project compliance with the conditions of the environmental authorisation and the EMPr are audited, and that the audit reports are submitted to the *Director: Compliance Monitoring* of the Department.
- 26. The frequency of auditing and of submission of the environmental audit reports must be as per the frequency indicated in the EMPr, taking into account the processes for such auditing as prescribed in Regulation 34 of the EIA Regulations, 2014 as amended.
- 27. The holder of the authorisation must, in addition, submit environmental audit reports to the Department within 30 days of completion of the construction phase (i.e. within 30 days of site handover) and a final environmental audit report within 30 days of completion of rehabilitation activities.
- 28. The environmental audit reports must be compiled in accordance with Appendix 7 of the EIA Regulations, 2014 as amended and must indicate the date of the audit, the name of the auditor and the outcome of the

- audit in terms of compliance with the environmental authorisation conditions as well as the requirements of the approved EMPr.
- Records relating to monitoring and auditing must be kept on site and made available for inspection to any
  relevant and competent authority in respect of this development.

#### Notification to authorities

30. A written notification of commencement must be given to the Department no later than fourteen (14) days prior to the commencement of the activity. Commencement for the purposes of this condition includes site preparation. The notice must include a date on which it is anticipated that the activity will commence, as well as a reference number.

# Operation of the activity

31. A written notification of operation must be given to the Department no later than fourteen (14) days prior to the commencement of the activity operational phase.

# Site closure and decommissioning

32. Should the activity ever cease or become redundant, the holder of the authorisation must undertake the required actions as prescribed by legislation at the time and comply with all relevant legal requirements administered by any relevant and Competent Authority at that time.

# Specific conditions

- The footprint of the development must be limited to the areas required for actual construction works and operational activities.
- 34. No activities will be allowed to encroach into a water resource without a water use authorisation being in place from the Department of Water and Sanitation.
- 35. Any evidence of archaeological sites or remains (e.g. remnants of stone-made structures, indigenous ceramics, bones, stone artefacts, ostrich eggshell fragments, and charcoal and ash concentrations), fossils, burials or other categories of heritage resources are found during the proposed development, work must cease in the vicinity of the find and Heritage Western Cape must be alerted immediately to determine an appropriate way forward.
- The Heritage Western Cape Chance Fossil Finds Procedure must be implemented for the duration of construction activities.
- No impact must occur to the abandoned Werf identified at BLK055 and as such, a 50m no-go buffer around this site must be implemented.

- No exotic plants may be used for rehabilitation purposes. Only indigenous plants of the area may be utilised.
- 39. Vegetation clearing must be kept to an absolute minimum. Mitigation measures as specified in the BAR dated 24 May 2022 must be implemented to reduce the risk of erosion and the invasion of alien species.
- 40. An integrated waste management approach must be implemented that is based on waste minimisation and must incorporate reduction, recycling, re-use and disposal where appropriate. Any solid waste must be disposed of at a landfill licensed in terms of Section 20 (b) of the National Environment Management Waste Act, 2008 (Act No.59 of 2008).

# General

- 41. A copy of this Environmental Authorisation, the audit and compliance monitoring reports, and the approved EMPr, must be made available for inspection and copying-
  - 41.1. at the site of the authorised activity;
  - 41.2. to anyone on request; and
  - 41.3. where the holder of the Environmental Authorisation has a website, on such publicly accessible website.
- 42. National government, provincial government, local authorities or committees appointed in terms of the conditions of this authorisation or any other public authority shall not be held responsible for any damages or losses suffered by the holder of the authorisation or his/her successor in title in any instance where construction or operation subsequent to construction be temporarily or permanently stopped for reasons of non-compliance by the holder of the authorisation with the conditions of authorisation as set out in this document or any other subsequent document emanating from these conditions of authorisation.

Date of Environmental Authorisation:

Ms Millicent Solomons

Acting Chief Director: Integrated Environmental Authorisations

Department of Forestry, Fisheries and the Environment

# Annexure 1: Reasons for Decision

# 1. Information considered in making the decision

In reaching its decision, the Department took, inter alia, the following into consideration -

- a) The listed activities as applied for in the application form received on 13 April 2022.
- b) The information contained in the BAR dated 24 May 2022.
- c) The comments received from Heritage Western Cape, Department of Water and Sanitation, Eskom, Department of Environmental Affairs and Development Planning, Department of Forestry, Fisheries and the Environment and interested and affected parties as included in the BAR dated 24 May 2022.
- d) Mitigation measures as proposed in the BAR and the EMPr.
- e) The information contained in the specialist studies contained within the appendices of the BAR dated 24 May 2022 and as appears below:

Title	Prepared by	Date	
Terrestrial Biodiversity	The Biodiversity Company	October 2021	
Avifaunal Impact Assessment	The Biodiversity Company	April 2022	
Plant Species, Animal Species, and Aquatic Biodiversity	The Biodiversity Company	October 2021	
Agricultural Impact Assessment	Johan Lanz	24 February 2022	
Palaeontology Impact Assessment	John Almond	September 2021	
Cultural Landscape Assessment	Sarah Winter in association with Nicolas Baumann and Wendy Wilson	4 November 2021	
Archaeology and Heritage	CTS Heritage	November 2021	
Visual Impact Assessment	Visual Resource Management Africa cc	26 Nov 2021	
Socio-Economic Impact Assessment	Tony Barbour	October 2021	
Traffic Impact Assessment	JG Afrika	April 2022	
Town and Regional Planning	Townscape Planning Solutions	12 April 2022	
Geotechnical	BareRock Consulting	20 May 2022	
EMPr	Cape EAPrac Environmental Assessment Practitioners	24 May 2022	

# 2. Key factors considered in making the decision

All information presented to the Department was taken into account in the Department's consideration of the application. A summary of the issues which, in the Department's view, were of the most significance is set out below.

- The findings of all the specialist studies conducted and their recommended mitigation measures.
- b) The need for the proposed project stems from the provision of electricity to the national grid.
- c) The BAR dated 24 May 2022 identified all legislation and guidelines that have been considered in the preparation of the BAR.
- d) The location of the 120 MW Photovoltaic (PV) Solar Energy Facility (known as The Bulskop PV).
- e) The methodology used in assessing the potential impacts identified in the BAR dated 24 May 2022 and the specialist studies have been adequately indicated.
- f) A sufficient public participation process was undertaken and the applicant has satisfied the minimum requirements as prescribed in the EIA Regulations, 2014 as amended for public involvement.

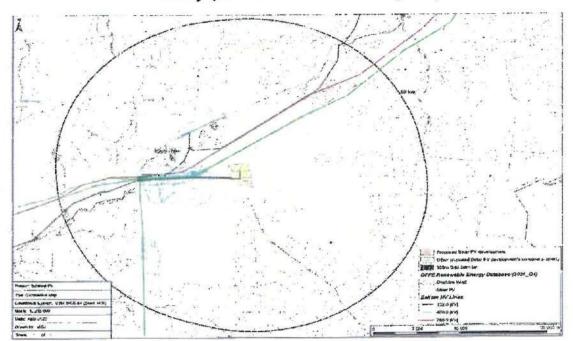
# 3. Findings

After consideration of the information and factors listed above, the Department made the following findings -

- a) The identification and assessment of impacts are detailed in the BAR dated 24 May 2022 and sufficient assessment of the key identified issues and impacts have been completed.
- b) The procedure followed for impact assessment is adequate for the decision-making process.
- c) The information contained in the BAR dated 24 May 2022 is deemed to be accurate and credible.
- d) The proposed mitigation of impacts identified and assessed adequately curtails the identified impacts.
- e) EMPr measures for the pre-construction, construction and rehabilitation phases of the development were proposed and included in the BAR and will be implemented to manage the identified environmental impacts during the construction phase.

In view of the above, the Department is satisfied that, subject to compliance with the conditions contained in the environmental authorisation, the authorised activities will not conflict with the general objectives of integrated environmental management laid down in Chapter 5 of the National Environmental Management Act, 1998 and that any potentially detrimental environmental impacts resulting from the authorised activities can be mitigated to acceptable levels. The environmental authorisation is accordingly granted.

# Annexure 2: Locality Plan: 120 MW Photovoltaic (PV) Solar Energy Facility (known as The Bulskop PV)





Private Sag X447 PRETORIA 0001 Environment House • 473 Steve Biko Road, Arcadia · PRETORIA Tel(+2712) 399 9000

Enquiries: Devinegie Bendaman Telephone: 012 399 9337 E-mail: vbendeman@dife.gov.za

Ms. Milicent Solomons

Director. Prioritized Infrastructure Projects

Dear Mrs Solomons

APPOINTMENT AS ACTING CHIEF DIRECTOR: INTEGRATED ENVIRONMENTAL AUTHORIZATIONS FOR THE PERIOD OF 25 APRIL 2022 UNTIL 31 OCTOBER 2022

I hereby inform you that I have decided to appoint you as the Acting Chief Director: Integrated Environmental Authorizations for the period of 25 April to 31 October 2022 whilst Mr Sabelo Malaza is fulfilling his temporary reassignment function at the Forestry Branch.

All the correspondence and other documents that are usually signed by the Chief Director: Integrated Environmental Authorizations must be signed under Acting Chief Director: Integrated Environmental Authorizations during the above-mentioned period.

Your appointment in the above acting position remains subject to the provisions of the Public Service Act, 1994 (Proclamation No. 103 of 1994), as amended, the Government Employees Pension Fund Act, 1996 (Proclamation No. 21 of 1996), the regulations promulgated under these Acts and relevant circulars.

In the execution of your duties and the exercising of the powers delegated to you, you will furthermore be subjected to the provisions of the Public Finance Management Act, compliance with the Promotion of Access to Information Act, Promotion of Administrative Justice Act, the Minimum Information Security Standard, Departmental Policies and other applicable legislations with the Republic of South Africa. You are therefore advised to make yourself familiar with the provisions of these legislations and policies and the amendments thereof. (Copies of Departmental policies can be obtained from the Human Resource Office).

Please accept my heartfelt gratitude for all your assistance on behalf of the department.

Yours sincerely

Ms Devinagle Bendeman

Deputy Director-General: RCSM (Regulatory Compilance and

Sector Monitoring)

Date

bril 2022

**ACKNOWLEDGEMENT** 

I ACCEPT / BO NOT ACCEPT appointment as Acting Chief Director: Integrated Environmental Authorizations

Signed

Date:

20/04/2002

# **ANNEXURE I:**

TRAFFIC IMPACT ASSESSMENT



# BASIC ASSESSMENT REPORT: PROPOSED BULSKOP PV FACILITY AND ASSOCIATED INFRASTRUCTURE NEAR BEAUFORT WEST, WESTERN CAPE

# TRANSPORT STUDY

April 2022 Second Issue

Prepared by:

JG AFRIKA (PTY) LTD

Branch: Cape Town PO Box 38561 Postal code: 7430 Telephone: 021 530 1800



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JG AFRIKA (PTY) LTD		Bulskop PV (Pty) Ltd	
Cape Town		Cape Town	
PO Box 38651		101, Block A West Quay Building	
Pinelands 7430	7 Wes	7 West Quay Road,	
	Water	front, 8000	
Tel.: 021 530 1800		Tel: + 27 (21) 418 2596	
Email: Wink@jgafrika.com		Email: peter@atlanticep.com	
AUTHOR	CLIENT	CONTACT PERSON	
Adrian Johnson PrTechEng		Peter Smith	

# **SYNOPSIS**

Preparation of a Transport Study for the Proposed Bulskop PV Facility and associated infrastructure located near Beaufort West in the Western Cape Province, pertaining to all relevant traffic and transportation engineering aspects.

# **KEY WORDS:**

Transport Study, Solar Energy Facility, Solar PV Facility, Photovoltaic, PV

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# **QUALITY VERIFICATION**

This report has been prepared under the controls established by a quality management system that meets the requirements of ISO 9001: 2015 which has been independently certified by DEKRA Certification.



Verification	Capacity	Name	Signature	Date
By Author	Senior Technologist	Adrian Johnson	All	12/04/2022
Checked by:	Associate	Iris Wink	1 MikZ	12/04/2022
Authorised by:	Director	Duane Petersen	10	12/04/2022
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# PROPOSED BULSKOP PV FACILITY AND ASSOCIATED INFRASTRUCTURE NEAR BEAUFORT WEST, WESTERN CAPE

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# PROPOSED BULSKOP PV FACILITY AND ASSOCIATED INFRASTRUCTURE NEAR BEAUFORT WEST, WESTERN CAPE

# 1 INTRODUCTION AND METHODOLOGY

# 1.1 Scope and Objectives

The Applicant, Bulskop PV (Pty) Ltd, is proposing the construction of a photovoltaic (PV) solar energy facility (known as the Bulskop PV) located on the Remaining Extent (Portion 0) of Farm 423 approximately 12 km south-east of Beaufort West in the Western Cape Province, as shown in **Figure 1-1**.



Figure 1-1: Locality Plan

The solar PV facility will comprise several arrays of PV panels and associated infrastructure and will have a contracted capacity of up to 120 MW. The project is situated within the Beaufort West Local Municipality within the Central Karoo District Municipality.

Five additional 120 MW PV facilities are concurrently being considered on the property and are assessed through separate Basic Assessment processes, namely:

- Hardeveld PV:
- Rosenia PV;
- Hoodia PV;
- · Salsola PV; and
- Gamka PV.



A development footprint of approximately 268 ha is being assessed as part of this Basic Assessment Report (BAR) and the infrastructure associated with the 120 MW facility includes:

- PV modules and mounting structures;
- · Inverters and transformers;
- Battery Energy Storage System (BESS);
- Site and internal access roads (up to 8 m wide);
- Auxiliary buildings (33 kV switch room, gatehouse and security, control centre, office, warehouse, canteen & visitors centre, staff lockers etc.);
- · Perimeter fencing and security infrastructure;
- Rainwater Tanks;
- · Temporary and permanent laydown area;
- · Facility substation; and
- Own-build grid connection solution, including:
  - Up to 132 kV line between the project components and the facility substation (within a 50 m wide and 2 km in length corridor);

The Bulskop PV facility intends to connect to the National Grid via the Droerivier Main Transmission Substation (MTS) (approximately 17.5 km west of the facility), however, the grid connection infrastructure associated with this grid solution is being assessed as part of a separate Environmental Application.

As part of the Basic Assessment (BA) process undertaken, the services of a Transportation Specialist are required to conduct a Transport Study.

The following two main transportation activities will be investigated:

- Abnormal load vehicles transporting components to the site.
- The transportation of construction materials, equipment and people to and from the site/facility.

The transport study will aim to provide the following objectives:

- Assess activities related to traffic movement for the construction and operation (maintenance) phases of the facility.
- Recommend a preliminary route for the transportation of the components to the proposed site.
- Recommend a preliminary transportation route for the transportation of materials, equipment and people to site.
- Recommend alternative or secondary routes where possible.



# 1.2 Terms of Reference

The Terms of Reference for this Transport Study include the following:

# General:

- (a) details of-
  - » the specialist who prepared the report; and
  - » the expertise of that specialist to compile a specialist report including a curriculum vitae;
- (b) a declaration that the specialist is independent in a form as may be specified by the competent authority;
- (c) an indication of the scope of, and the purpose for which, the report was prepared;
  - » an indication of the quality and age of base data used for the specialist report
  - » a description of existing impacts on the site, cumulative impacts of the proposed development and levels of acceptable change;
- (d) the duration date and season of the site investigation and the relevance of the season to the outcome of the assessment;
- (e) a description of the methodology adopted in preparing the report or carrying out the specialised process inclusive of equipment and modelling used;
- (f) details of an assessment of the specific identified sensitivity of the site related to the proposed activity or activities and its associated structures and infrastructure, inclusive of a site plan identifying site alternatives;
- (g) an identification of any areas to be avoided, including buffers;
- (h) a map superimposing the activity including the associated structures and infrastructure on the environmental sensitivities of the site including areas to be avoided, including buffers;
- a description of any assumptions made and any uncertainties or gaps in knowledge;
- (j) a description of the findings and potential implications of such findings on the impact of the proposed activity or activities;
- (k) any mitigation measures for inclusion in the EMPr;
- (I) any conditions for inclusion in the environmental authorisation;
- (m) any monitoring requirements for inclusion in the EMPr or environmental authorisation;
- (n) a reasoned opinion-
  - » whether the proposed activity, activities or portions thereof should be authorised; and (considering impacts and expected cumulative impacts).
  - » regarding the acceptability of the proposed activity or activities, and



- » if the opinion is that the proposed activity, activities or portions thereof should be authorised, any avoidance, management and mitigation measures that should be included in the EMPr, and where applicable, the closure plan;
- (o) a description of any consultation process that was undertaken during the course of preparing the specialist report;
- (p) a summary and copies of any comments received during any consultation process and where applicable all responses thereto; and
- (q) any other information requested by the competent authority.

# Specific:

- Extent of the transport study and study area;
- The proposed development;
- Trip generation for the facility during construction and operation;
- · Traffic impact on external road network;
- Accessibility and turning requirements;
- · National and local haulage routes;
- · Assessment of internal roads and site access;
- Assessment of freight requirements and permitting needed for abnormal loads;
   and
- · Traffic accommodation during construction.

# 1.3 Approach and Methodology

The report deals with the traffic impact on the surrounding road network in the vicinity of the site:

- during the construction of the access roads;
- · construction of the facility; and
- operation and maintenance during the operational phase.

This transport study was informed by the following:

# Site Visit and Project Assessment

- Overview of project background information including location maps, component specs and any possible resulting abnormal loads to be transported.
- Research of all available documentation and information relevant to the proposed facility; and
- Site visit to gain sound understanding of the project.

The transport study considered and assessed the following:



# Traffic and Haul Route Assessment

- Estimation of trip generation;
- Discussion on potential traffic impacts;
- Assessment of possible haul routes; and
- Construction and operational (maintenance) vehicle trips.

# Site layout, Access Points and Internal Roads Assessment per Site

- Description of the surrounding road network;
- Description of site layout;
- Assessment of the proposed access points; and
- Assessment of the proposed internal roads on site.

# 1.4 Assumptions and Limitations

The following assumptions and limitations apply:

- This study is based on the project information provided by Bulskop PV (Pty) Ltd.
- According to the Eskom Specifications for Power Transformers (Eskom Power Series, Volume 5: Theory, Design, Maintenance and Life Management of Power Transformers), the following dimensional limitations need to be kept when transporting the transformer – total maximum height 5 000 mm, total maximum width 4 300 mm and total maximum length 10 500 mm.
- Maximum vertical height clearances along the haulage route are 5.2 m for abnormal loads.
- Imported elements will be transported from the most feasible port of entry, which is deemed to be Port of Nggura.
- If any elements are manufactured within South Africa, these will be transported from their respective manufacturing centres, which would be either in the greater Johannesburg area for the transformer, inverter and the support structures and in Pinetown/Durban, Cape Town or Johannesburg for the PV modules.
- All haulage trips will occur on either surfaced national and provincial roads or existing gravel roads.
- Construction materials will be sourced locally as far as possible.

# 1.5 Source of Information

Information used in a transport study includes:

- Project Information provided by Bulskop PV (Pty) Ltd.;
- Google Earth .kmz provided by Bulskop PV (Pty) Ltd.;
- · Google Earth Satellite Imagery; and
- Project research of all available information.



# 2 DESCRIPTION OF PROJECT ASPECTS RELEVANT TO THE TRANSPORT STUDY

# 2.1 Port of Entry

It is assumed that if components are imported to South Africa, it will be via the Port of Ngqura, which is located in the Eastern Cape. The Port is located approximately 395 km from the proposed site. The Port of Ngqura is a world-class deep-water transshipment hub offering an integrated, efficient and competitive port service for containers on transit. The Port forms part of the Coega Industrial Development Zone (CIDZ) and is operated by Transnet National Ports Authority.

Alternatively, components can be imported via the Port of Saldanha or the Port of Cape Town, both located in the Western Cape. The Port of Saldanha, located 555 km from the proposed site, is the largest and deepest natural port in the Southern Hemisphere able to accommodate vessels with a draft of up to 21.5 m.

The Port of Cape Town (475 km from the proposed site) could be considered for the import of smaller components as the Port is not able to accommodate abnormal loads. In addition, vehicles traveling from the Port would experience major traffic delays in the metro throughout the day.

# 2.2 Transportation requirements

It is anticipated that the following vehicles will access the site during construction:

- Conventional trucks within the freight limitations to transport building material to the site;
- 40ft container trucks transporting solar panels, frames and the inverter, which are within freight limitations;
- Flatbed trucks transporting the solar panels and frames, which are within the freight limitations;
- Light Differential Vehicle (LDV) type vehicles transporting workers from surrounding areas to site;
- Drilling and piling machines and other required construction machinery being transported by conventional trucks or via self-drive to site; and
- The transformers will be transported as abnormal loads.

# 2.3 Abnormal Load Considerations

It is expected that the transformers will be transported with an abnormal load vehicle. Abnormal permits are required for vehicles exceeding the following permissible maximum dimensions on road freight transport in terms of the Road Traffic Act (Act No. 93 of 1996) and the National Road Traffic Regulations, 2000:

 Length: 22 m for an interlink, 18.5 m for truck and trailer and 13.5 m for a single unit truck



Width: 2.6 m

Height: 4.3 m measured from the ground. Possible height of load – 2.7 m.

• Weight: Gross vehicle mass of 56 t resulting in a payload of approximately 30 t

Axle unit limitations: 18 t for dual and 24 t for triple-axle units

• Axle load limitation: 7.7 t on the front axle and 9 t on the single or rear axles

Any dimension / mass outside the above will be classified as an Abnormal Load and will necessitate an application to the Department of Transport and Public Works for a permit that will give authorisation for the conveyance of said load. A permit is required for each Province that the haulage route traverses.

# 2.4 Further Guideline Documentation

The Technical Recommendations for Highways (TRH 11): "Draft Guidelines for Granting of Exemption Permits for the Conveyance of Abnormal Loads and for other Events on Public Roads" outlines the rules and conditions that apply to the transport of abnormal loads and vehicles on public roads and the detailed procedures to be followed in applying for exemption permits are described and discussed. Legal axle load limits and the restrictions imposed on abnormally heavy loads are discussed in relation to the damaging effect on road pavements, bridges and culverts.

The general conditions, limitations and escort requirements for abnormally dimensioned loads and vehicles are also discussed and reference is made to speed restrictions, power / mass ratio, mass distribution and general operating conditions for abnormal loads and vehicles. Provision is also made for the granting of permits for all other exemptions from the requirements of the Road Traffic Act and the relevant regulations.

# 2.5 Permitting - General Rules

The limits recommended in TRH 11 are intended to serve as a guide to the Permit Issuing Authorities. It must be noted that each Administration has the right to refuse a permit application or to modify the conditions under which a permit is granted. It is understood that:

- a) A permit is issued at the sole discretion of the Issuing Authority. The permit may be refused because of the condition of the road, the culverts and bridges, the nature of other traffic on the road, abnormally heavy traffic during certain periods or for any other reason.
- b) A permit can be withdrawn if the vehicle upon inspection is found in any way not fit to be operated.
- c) During certain periods, such as school holidays or long weekends an embargo may be placed on the issuing or permits. Embargo lists are compiled annually and are obtainable from the Issuing Authorities.



## 2.6 Load Limitations

The maximum load that a road vehicle or combination of vehicles will be allowed to carry legally under permit on a public road is limited by:

- the capacity of the vehicles as rated by the manufacturer;
- the load which may be carried by the tyres;
- · the damaging effect on pavements;
- · the structural capacity on bridges and culverts;
- the power of the prime mover(s);
- · the load imposed by the driving axles; and
- · the load imposed by the steering axles.

# 2.7 Dimensional Limitations

A load of abnormal dimensions may cause an obstruction and danger to other traffic. For this reason, all loads must, as far as possible, conform to the legal dimensions. Permits will only be considered for indivisible loads, i.e. loads that cannot, without disproportionate effort, expense or risk of damage, be divided into two or more loads for the purpose of transport on public roads. For each of the characteristics below there is a legally permissible limit and what is allowed under permit:

- Width;
- · Height;
- · Length;
- Front Overhang;
- Rear Overhang;
- · Front Load Projection;
- Rear Load Projection;
- Wheelbase;
- Turning Radius; and
- Stability of Loaded Vehicles.

# 2.8 Transporting Other Plant, Material and Equipment

In addition to transporting the specialised equipment, the normal Civil Engineering construction materials, plant and equipment will need to be transported to the site (e.g. sand, stone, cement, gravel, water, compaction equipment, concrete mixers, etc.). Other components, such as electrical cables, pylons and substation transformers, will also be transported to site during construction. The transport of these items will generally be conducted with normal heavy loads vehicles, except for the transformers which require an abnormal load vehicle.



# 3 DESCRIPTION OF THE AFFECTED ENVIRONMENT

# 3.1 Description of the site

The proposed Bulskop PV facility will be located approximately 12 km south-east of the town of Beaufort West, as shown in **Figure 3-1**. The proposed site is bounded by the R61 to the west and an access to the site is proposed off this road. The R61 is a surfaced two-lane single carriageway and provides a link between Beaufort West, Aberdeen and Graaf Reinet.



Figure 3-1: Aerial View of the Proposed Bulskop PV Facility

The proposed technology will comprise solar photovoltaic (PV) technology (monofacial or bifacial) with fixed, single or double axis tracking mounting structures, as well as the following associated infrastructure:

- Laydown area;
- · Access and Internal road network;
- Auxiliary buildings (33 kV switch room, gatehouse and security, control centre, office, warehouse, canteen & visitors centre, staff lockers etc.);
- Facility substation;
- Inverter-station, transformers and internal electrical reticulation (underground cabling);
- Battery Energy Storage System (BESS);
- · Rainwater Tanks; and
- Perimeter fencing and security infrastructure.



# 3.2 National Route to Site for Imported Components

There are two viable options for the port of entry for imported components - the Port of Ngqura in the Eastern Cape and the Port of Saldanha in the Western Cape. A third option, the Port of Cape Town, could be considered for smaller components.

The Port of Ngqura is located approximately 395 km travel distance from the proposed site whilst the Port of Saldanha is located approximately 555 km travel distance from the proposed site. The Port of Ngqura is the preferred port of entry, however, the Port of Saldanha can be used as an alternative should the Port of Ngqura not be available.

The preferred route from the Port of Ngqura is shown in green in **Figure 3-2** below. The route starts at the Port and follows the R334 to the R75. Vehicle will take the R75 northwest to Wolwefontein, passing Kirkwood and Kleinpoort. Vehicles will continue on the R338 to Aberdeen, where vehicles will access the R61 which leads to the access point of the proposed site.

The alternative route from the Port of Saldanha, shown in orange in **Figure 3-2**, will follow the R45 east to Moorreesburg before taking the R46 east to Ceres. Vehicles will head east on the N1, passing Laingsburg and Beaufort West before reaching the access to the proposed site via the R61.

The alternative route from the Port of Cape Town, shown in blue in **Figure 3-2**, will follow the N1 pass Worcester and Laingsburg to Beaufort West. Vehicles will then take the R61 to the proposed site.



Figure 3-2: Preferred and Alternative Routes

It is critical to ensure that the abnormal load vehicle will be able to move safely and without obstruction along the preferred route. The preferred route should be surveyed prior to construction to identify any problem areas, e.g. intersections with limited turning radii and sections of the road with sharp horizontal curves or steep gradients, that may require modification. After the road modifications have been implemented, it is recommended to undertake a "dry-run" with the largest abnormal load vehicle, prior to



the transportation of any components, to ensure that the delivery will occur without disruptions.

It needs to be ensured that the gravel sections of the haulage routes remain in good condition and will need to be maintained during the additional loading of the construction phase and reinstated after construction is completed.

# 3.3 Route for Components manufactured locally

As mentioned in Section 1.4 (Assumptions and Limitations), it is anticipated that elements manufactured within South Africa will be transported to the site from the Cape Town, Johannesburg and Pinetown/Durban areas. It is also assumed that the transformer, which will be transported with an abnormal load vehicle, will be transported from the Johannesburg area and therefore it needs to be verified that the route from the manufacturer to the site does not have any load limitations for abnormal vehicles. At this stage, only a high-level assessment can be undertaken as no information of the exact location of the manufacturer is known and all road structures (such as bridges and culverts) need to be confirmed for their load bearing by the South African National Roads Agency (SANRAL) or the respective Roads Authority.

# 3.4 Route from Cape Town to Proposed Site

Components, such as PV panels, manufactured in Cape Town will be transported to site via road as shown in **Figure 3-3**. Haulage vehicles will travel from Cape Town on the N1 to the proposed site, passing Laingsburg and Beaufort West.

Haulage vehicles will mainly travel on the national highway and the total distance to the proposed site is approximately 475 km



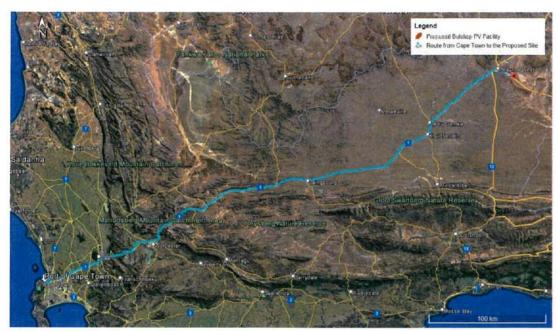


Figure 3-3: Route from Cape Town to Proposed Site

# 3.5 Route from Johannesburg to Proposed Site

It is assumed that the inverter and support structure will be manufactured in the Johannesburg area and transported to site via the N1. The travel distance is around 945 km and no road limitations are expected on this route for normal loads vehicles as it will mainly follow national and provincial roads. The route is shown in **Figure 3-4**.





Figure 3-4: Route from Johannesburg to Proposed Site

# 3.6 Route from Pinetown / Durban to Proposed Site

If the PV panels are manufactured in South Africa, they could possibly be manufactured in the Pinetown area, close to Durban and transported to site via road. These elements are normal loads, and no road limitations are expected along the routes, which is shown **Figure 3-5**. Haulage vehicles will mainly travel on national and provincial roads and the total distance to the proposed site is approximately 1 185 km.



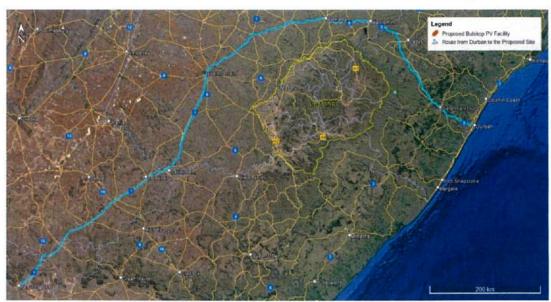


Figure 3-5: Route from Durban to Proposed Site

# 3.7 Route from Johannesburg Area to Site - Abnormal Load

It is assumed that the transformer will be manufactured locally in South Africa and be transported from the Johannesburg area to site. As the transformer will be transported with an abnormal load vehicle, the route planning needs a more detailed investigation of the feasible routes considering any limitations due to existing road features. Furthermore, a load of abnormal dimensions may cause an obstruction and danger to other traffic and therefore the transformer needs to be transported as far as possible on roads that are wide enough for general traffic to pass. It is expected that the transformer can be transported to site via the same route used for normal loads.

There are several bridges and culverts along this route, which need to be confirmed for load bearing and height clearances. There are several turns along the way and small towns to pass through. According to the desktop study, all turning movements along the route are manageable for the abnormal vehicle.

However, there are many alternative routes which can be investigated if the above route or sections of the route should not be feasible.

# 3.8 Proposed main access road and access point to the Proposed Development

The proposed main access road to the site will be located off the R61, as shown in Figure 3-6. The proposed access road will be up to 10 m wide and approximately 5 km long main gravel/hard surfaced access road and will be constructed to provide direct access to the Bulskop PV facility. The road will be surfaced if necessary.

A network of gravel internal access roads, each with a width of up to  $\pm$  5 m, will be constructed to provide access to the various components of the Bulskop PV development.





Figure 3-6: Proposed Access Road and Proposed Access Point

The main site access point (Latitude: 32°23'57.47"S, Longitude: 22°40'15.36"E) to the proposed facility will be via a new proposed access point located off the R61, as indicated in **Figure 3-6**. The existing farm access (Latitude: 32°24'22.26"S, Longitude: 22°40'55.91"E), shown in **Figure 3-7**, is not a feasible access option due to the inadequate sight distance on the Beaufort West side (south-west) of R61. The proposed access point will be located approximately 1.3 km from the existing farm access where sight lines are deemed adequate.



Figure 3-7: Existing farm access



The proposed access point will need to be upgraded to cater for the construction and abnormal load vehicles. Generally, the road width at the access point needs to be a minimum of 8m and the access roads on site a minimum of 4.5m (preferably 5m). The radius at the access point needs to be large enough to allow for all construction vehicles to turn safely. It is recommended that the access point be surfaced and the internal access roads on site remain gravel.

The type of access control will determine the required stacking distance. The stacking distance is measured between the access boom and the kerb/road edge of the external road. For example, for a boom-controlled access, this boom will need to be moved sufficiently into the site to allow for at least one abnormal vehicle to stack in front of the boom without impeding on external traffic. It is recommended that the site access be controlled via a boom and gatehouse. It is also recommended that security staff be stationed on site at the access booms during construction. A minimum stacking distance of 25m should be provided between the road edge of the external road and the boom.

Any geometric design constraints should be taken into consideration by the geometric designer. The internal roads need to be designed with smooth, relatively flat gradients (recommended to be no more than 8%) to allow an abnormal load vehicle to ascend to the respective turbine locations. It should be noted that turning radii of all roads must conform to the specifications needed for the abnormal load vehicles and haulage vehicles. It needs to be ensured that the gravel sections of the haulage routes remain in good condition and will hence need to be maintained during the additional loading of the construction phase and then reinstated after construction is completed. The gravel roads will require grading with a grader to obtain a flat even surface and the geometric design of these gravel roads needs to be confirmed at detailed design stage.

# 3.9 Main Route for the Transportation of Materials, Plant and People to the proposed site

The nearest towns in relation to the proposed development site are Beaufort West, Aberdeen and Graaf Reinet. It is envisaged that most materials, water, plant, services and people will be procured within a 50 km radius of the proposed facility. The nearest major town, Beaufort West, is located approximately 140 km from the proposed development site.

Concrete batch plants and quarries in the vicinity could be contracted to supply materials and concrete during the construction phase, which would reduce the impact on traffic on the surrounding road network. Alternatively, mobile concrete batch plants and temporary construction material stockpile yards could be commissioned on vacant land near the proposed site. Delivery of materials to the mobile batch plant and the stockpile yard could be staggered to minimise traffic disruptions.



It is envisaged that most materials, water, plant, services and people will be procured within a 100 km radius from the proposed site; however, this would be informed by the REIPPPP requirements.

# 4 APPLICABLE LEGISLATION AND PERMIT REQUIREMENTS

Key legal requirements pertaining to the transport requirements for the proposed development are:

- Abnormal load permits, (Section 81 of the National Road Traffic Act)
- Port permit (Guidelines for Agreements, Licenses and Permits in terms of the National Ports Act No. 12 of 2005), and
- Authorisation from Road Authorities to modify the road reserve to accommodate turning movements of abnormal loads at intersections.

# 5 IDENTIFICATION OF KEY ISSUES

# 5.1 Identification of Potential Impacts

The potential transport related impacts are described below.

# 5.1.1 Construction Phase

Potential impact

- Construction related traffic
- The construction traffic would also lead to noise and dust pollution.
- This phase also includes the construction of roads, excavations, trenching for electrical cables and other ancillary construction works that will temporarily generate the most traffic.

# 5.1.2 Operational Phase

During operation, it is expected that staff and security will periodically visit the facility. It is assumed that approximately 50 full-time employees will be stationed on site. The traffic generated during this phase will be minimal and will not have an impact on the surrounding road network.

# 5.1.3 Cumulative Impacts

- Traffic congestion/delays on the surrounding road network.
- Noise and dust pollution



# 6 ASSESSMENT OF IMPACTS AND IDENTIFICATION OF MANAGEMENT ACTIONS

# 6.1 Potential Impact (Construction Phase)

# 6.1.1 Nature of the impact

 Potential traffic congestion and delays on the surrounding road network and associated noise and dust pollution.

# 6.1.2 Significance of impact without mitigation measures

Traffic generated by the construction of the facility will have a significant impact
on the surrounding road network. The exact number of trips generated during
construction will be determined by the contractor, the haulage company
transporting the components to site, the staff requirements and where
equipment is sourced from.

# 6.1.3 Trip Generation – Construction Phase

From experience on other projects of similar nature, the number of heavy vehicles per 7 MW installation is estimated to range between 200 and 300 trips depending on the site conditions and requirements. For the 120 MW, the total trips can therefore be estimated to be between 3 429 and 5 143 heavy vehicle trips, which will generally be made over a 12-month construction period. Choosing the worst-case scenario of 5 143 heavy vehicles over a 12-month period travelling on an average of 22 working days per month, the resulting daily number of vehicle trips is 20. In a rural environment, traffic during the peak hour accounts for roughly 20-40% of the average daily traffic i.e., 20-40% of the daily 20 vehicle trips generated by the facility will travel during the peak hour. This amounts to between 4 and 8 trips.

If the panels are imported instead of manufactured within South Africa, the respective shipping company will be able to indicate how the panels can be packed (for example using 2 MW packages and 40 ft containers). These can then be stored at the port and repacked onto flatbed trucks.

It is assumed that during the peak of the construction period, 200 employees will be active on site. Staff trips are assumed to be:

Table 6-1: Estimation of daily staff trips

Vehicle Type	Number of vehicles	Number of Employees
Car	10	15 (assuming 1.5 occupants)
Bakkie	20	30 (assuming 1.5 occupants)
Taxi – 15 seats	5	75
Bus – 80 seats	1	80
Total	36	200



It is difficult to accurately estimate the construction traffic for the transportation of materials as it depends on the type of vehicles, tempo of the construction, source/location of construction material etc. However, it is assumed that at the peak of construction, approximately 150 construction vehicle trips will access the site per day.

The total estimated daily site trips are shown in the table below.

Table 6-2: Estimation of daily site trips

Activity	Number of trips
Staff trips	36
Component delivery	20
Construction trips	150
Total	206

The impact on general traffic on the R61 is therefore deemed nominal as the 206 trips will be distributed across a 9 hr working day. The majority of the trips will occur outside the peak hours.

The significance of the transport impact without mitigation measures during the construction phase can be rated as medium. However, considering that this is temporary and short term in nature, the impact can be mitigated to an acceptable level.

# 6.1.4 Trip Generation – Operational Phase

During operation, it is assumed that approximately 50 full-time employees will be stationed on site and hence vehicle trips generated are low and will have a negligible impact on the external road network.

The developer is investigating the use of borehole water for the cleaning of the PV panels. Should borehole water not be available or suitable, the following assumptions have been made to estimate the resulting trips generated from transporting water to the site:

- 5 000 litre water bowsers to be used for transporting the water
- Approximately 5 litres of water needed per panel
- Assuming that 200 000 solar panels are used, this would amount to approximately 200 vehicle trips
- Panels will be cleaned four times a year.

It is expected that these trips will not have a significant impact on external traffic. However, to limit the impact, it is recommended to schedule these trips outside of peak traffic periods. Additionally, the provision of rainwater tanks on site would decrease the number of trips.



# 6.1.5 Proposed general mitigation measures

The following are general mitigation measures to reduce the impact that the additional traffic will have on the road network and the environment.

- The delivery of components to the site can be staggered and trips can be scheduled to occur outside of peak traffic periods.
- Dust suppression of gravel roads during the construction phase, as required.
- Regular maintenance of gravel roads by the Contractor during the construction phase and by the Owner/Facility Manager during the operation phase.
- The use of mobile batch plants and quarries near the site would decrease the traffic impact on the surrounding road network.
- Staff and general trips should occur outside of peak traffic periods as far as possible.
- If required, low hanging overhead lines (lower than 5.1 m) e.g., Eskom and Telkom lines, along the proposed routes will have to be moved to accommodate the abnormal load vehicles.
- The preferred route should be surveyed to identify problem areas (e.g., intersections with limited turning radii and sections of the road with sharp horizontal curves or steep gradients, that may require modification). After the road modifications have been implemented, it is recommended to undertake a "dry-run" with the largest abnormal load vehicle, prior to the transportation of any components, to ensure that delivery will occur without disruptions. This process is to be undertaken by the haulage company transporting the components and the contractor, who will modify the road and intersections to accommodate abnormal vehicles. It needs to be ensured that the gravel sections of the haulage routes remain in good condition and will need to be maintained during the additional loading of the construction phase and reinstated after construction is completed.
- Design and maintenance of internal roads. The internal gravel roads will require
  grading with a grader to obtain a flat even surface and the geometric design of
  these gravel roads needs to be confirmed at detailed design stage. This process
  is to be undertaken by a civil engineering consultant or a geometric design
  professional.

# 6.1.6 Significance of impact with mitigation measures

The proposed mitigation measures for the construction traffic will result in a minor reduction of the impact on the surrounding road network, but the impact on the local traffic will remain moderate as the existing traffic volumes are deemed to be low. The dust suppression, however, will result in significantly reducing the impact.



# 7 NO-GO ALTERNATIVE

The no-go alternative implies that the proposed Bulskop PV Facility does not proceed. This would mean that there will be no negative environmental impacts and no traffic impact on the surrounding network. However, this would also mean that there would be no socioeconomic benefits to the surrounding communities, and it will not assist government in meeting the targets for renewable energy. Hence, the no-go alternative is not a preferred alternative.



# 8 IMPACT ASSESSMENT SUMMARY

The assessment of impacts and recommendation of mitigation measures as discussed above are collated in the tables below. The assessment methodology is attached as **Annexure A**.

Table 7-1. Impact Rating - Construction Phase - Traffic Congestion

IMPACT TA	ABLE – CONSTRUCTION PHASE	
Environmental Parameter	Traffic Congestion	
Issue/Impact/Environmental	Transport of equipment, r	naterial and staff to site will
Effect/Nature	lead to congestion.	
Reversibility	Completely reversible	
Irreplaceable loss of resources	No loss	
	Pre-mitigation impact rating	Post mitigation impact rating
Extent	Local (2)	Local (1)
Probability	Highly probable (4)	Improbable (2)
Duration	Very Short (1)	Very Short (1)
Magnitude	Moderate (6) Low (4)	
Significance rating	Medium (36)	Low (12)
Mitigation measures	in close proximity  Staff and general  of peak traffic per  Regular maintena  Contractor during	ruction period  batch plants and quarries  to the site  trips should occur outside
Residual Risks:	None. Traffic will after construction	return to normal levels n is completed.



Table 7-2: Impact Rating - Construction Phase - Dust Pollution

IMPACT T	ABLE – CONSTRUCTION PH	ASE	
<b>Environmental Parameter</b>	Air quality will be affe	cted by dust pollution	
Issue/Impact/Environmental Effect/Nature	Traffic on roads will g	enerate dust.	
Reversibility	Completely reversible		
Irreplaceable loss of resources	No loss		
	Pre-mitigation impact	rating	
Extent	Local (2)	Local (1)	
Probability	Highly probable (4)	Improbable (2)	
Duration	Very Short (1)	Very Short (1)	
Magnitude	Moderate (5)	Minor (2)	
Significance rating	Medium (32)	Low (8)	
Mitigation measures	construction p Regular main Contractor du and by Client,	Dust Suppression of gravel roads during the construction phase, as required.  Regular maintenance of gravel roads by the Contractor during the construction phase and by Client/Facility Manager during operation phase.	
Residual Risks:	cannot be cor mitigation me	n during the construction phase mpletely mitigated but easures will significantly reduce ust pollution is limited to the period.	



Table 7-3: Impact Rating - Construction Phase - Noise Pollution

IMPACT T	ABLE – CONSTRUCTION PHASE	
Environmental Parameter	Noise pollution due to inci	reased traffic.
Issue/Impact/Environmental Effect/Nature Reversibility	Traffic on roads will gener	ate noise
Irreplaceable loss of resources	No loss	
Extent	Pre-mitigation impact rating Local (2)	Post mitigation impact rating  Local (1)
Probability	Highly probable (4)	Improbable (2)
Duration	Very Short (1)	Very Short (1)
Magnitude	Moderate (5)	Minor (2)
Significance rating	Medium (32)	Low (8)
Mitigation measures	possible  The use of mobile in close proximity	uction period as far as batch plants and quarries to the site trips should occur outside
Residual Risks:	phase cannot be o	ring the construction completely mitigated but res will significantly reduce pollution is limited to the

# Table 7-4: Impact Rating - Operation Phase

# IMPACT TABLE - OPERATION PHASE

The traffic generated during this phase will be negligible and will not have any impact on the surrounding road network.

# Table 7-5: Impact Rating - Decommissioning Phase

# IMPACT TABLE - OPERATION PHASE

This phase will have the same impact as the Construction Phase i.e. traffic congestion, air pollution and noise pollution, as similar trips/movements are expected.



# 9 CUMULATIVE IMPACTS

To assess the cumulative impact, it was assumed that all proposed and authorized renewable energy projects within 50 km be constructed at the same time. This is a precautionary approach, as in reality these projects would be subject to a highly competitive bidding process. Only a handful of projects would be selected to enter into a power purchase agreement with Eskom, and construction is likely to be staggered depending on project-specific issues.

The construction and decommissioning phases are the only significant traffic generators for renewable energy projects. The duration of these phases is short term (i.e., the impact of the generated traffic on the surrounding road network is temporary and renewable energy facilities, when operational, do not add any significant traffic to the road network). Even if all renewable energy projects within the area are constructed at the same time, the roads authority will consider all applications for abnormal loads and work with all project companies to ensure that loads on the public roads are staggered and staged to ensure that the impact will be acceptable.

The assessments of cumulative impacts are collated in the table below.

Table 7-6: Cumulative Impact

	Overall impact of the proposed project considered in isolation	Cumulative impact of the project and other projects in the area
Extent	Low (2)	Moderate (3)
Duration	Very Short (1)	Short (2)
Magnitude	Moderate (6)	Moderate (6)
Probability	Highly probable (4)	Definite (5)
Significance	Medium (36)	Medium (55)
Status (positive/negative)	Negative	Negative
Reversibility	High	High
Loss of resources?	No	No
Can impacts be mitigated?	Yes	Yes

# Mitigation:

- Stagger component delivery to site
- Dust suppression
- Reduce the construction period
- The use of mobile batch plants and quarries in close proximity to the site
- Staff and general trips should occur outside of peak traffic periods

# 28

# 10 ENVIRONMENTAL MANAGEMENT PROGRAM INPUTS

It is recommended that dust suppression and maintenance of gravel roads form part of the EMPr. This would be required during the Construction phase where an increase in vehicle trips can be expected. No traffic related mitigation measures are envisaged during the Operation phase due to the negligible traffic volume generated during this phase.

Table 7-7: EMPr Input – Construction Phase

Impact	Mitigation/Management	Mitigation/Management		Monitoring	
	Objectives	Actions	Methodology	Frequency	Responsibility
A. CONSTRUCTION PHASE	V PHASE				
A.1. TRAFFIC IMPACTS	CTS				
Dust and noise	Minimize impacts on road	<ul> <li>Stagger component</li> </ul>	<ul> <li>Regular monitoring</li> </ul>	Before construction	■ Holder of
pollution	network.	delivery to site.	of road surface	commences and	the EA.
Transportation of		<ul> <li>The use of mobile batch</li> </ul>	quality.	regularly during	
material,		plants and quarries near	<ul> <li>Apply for required</li> </ul>	construction phase.	
components,		the site would decrease	permits prior to		
equipment and		the impact on the	commencement of		
staff to site.		surrounding road	construction.		
		network.			
		<ul> <li>Dust suppression</li> </ul>			
	\$	<ul> <li>Reduce the construction</li> </ul>			
	d	period as far as possible.			
		<ul> <li>Maintenance of gravel</li> </ul>			
		roads.			

Impact	Mitigation/Management	Mitigation/Management		Monitoring	
	Objectives	Actions	Methodology	Frequency	Responsibility
S 4					
		<ul> <li>Staff and general trips should occur outside of peak traffic periods as far as possible.</li> <li>Any low hanging overhead lines (lower than 5.1m) e.g. Eskom and Telkom lines, along the proposed routes will have to be moved to accommodate the abnormal load vehicles, if required.</li> </ul>			

# 11 CONCLUSION AND RECOMMENDATIONS

As it had not been decided at the time of undertaking the transport study which manufacturers will be contracted for the solar PV components, all possible haulage routes were included into this study.

The potential transport related impacts for the construction and operation phases for the proposed Bulskop PV Facility were assessed.

- The construction phase traffic, although significant, will be temporary and impacts are considered to have a **low significance**.
- During operation, it is expected that staff and security will periodically visit the
  facility. It is assumed that approximately 50 full-time employees will be
  stationed on site. The traffic generated during this phase will be minimal and
  will not have an impact on the surrounding road network.

The potential mitigation measures mentioned in the construction phase are:

- Dust suppression
- Component delivery to/ removal from the site can be staggered and trips can be scheduled to occur outside of peak traffic periods.
- The use of mobile batch plants and quarries near the site would decrease the impact on the surrounding road network.
- Staff and general trips should occur outside of peak traffic periods.
- A "dry run" of the preferred route.
- · Design and maintenance of internal roads.
- If required, any low hanging overhead lines (lower than 5.1 m) e.g., Eskom and Telkom lines, along the proposed routes will have to be moved to accommodate the abnormal load vehicles.

The construction and decommissioning phases of a development is the only significant traffic generator and therefore noise and dust pollution will be higher during this phase. The duration of this phase is short term i.e., the impact of the traffic on the surrounding road network is temporary and solar farm, when operational, does not add any significant traffic to the road network.

Both the proposed access point and the access road to the facility are deemed feasible from a traffic engineering perspective.

The development is supported from a transport perspective provided that the recommendations and mitigations contained in this report are adhered to.

The impacts associated with the proposed Bulskop PV Facility are acceptable with the implementation of the recommended mitigation measures and can therefore be authorised.

# 12 REFERENCES

- Google Earth Pro
- SANS 10280/NRS 041-1:2008 Overhead Power Lines for Conditions Prevailing in South Africa
- Road Traffic Act (Act No. 93 of 1996)
- National Road Traffic Regulations, 2000
- The Technical Recommendations for Highways (TRH 11): "Draft Guidelines for Granting of Exemption Permits for the Conveyance of Abnormal Loads and for other Events on Public Roads

# 13 ANNEXURES

# Annexure A - SPECIALIST EXPERTISE

# IRIS SIGRID WINK

Profession	Civil Engineer (Traffic & Transportation)
Position in Firm	Associate
Area of SpecialIsation	Manager: Traffic & Transportation Engineering
Qualifications	PrEng, MSc Eng (Civil & Transportation)
Years of Experience	19 Years
Years with Firm	9 Years

# SUMMARY OF EXPERIENCE

Iris is a Professional Engineer registered with ECSA (20110156). She joined JG Afrika (Pty) Ltd. in 2012. Iris obtained a Master of Science degree in Civil Engineering in Germany and has more than 15 years of experience in a wide field of traffic and transport engineering projects. Iris left Germany in 2003 and has worked as a traffic and transport engineer in South Africa and Germany. She has technical and professional skills in traffic impact studies, public transport planning, non-motorised transport planning and design, design and development of transport systems, project planning and implementation for residential, commercial and industrial projects and providing conceptual designs for the abovementioned. She has also been involved with transport assessments for renewable energy projects and traffic safety audits.

# PROFESSIONAL REGISTRATIONS & INSTITUTE MEMBERSHIPS

PrEng Registered with the Engineering Council of South Africa No. 20110156

Registered Mentor with ECSA for the Cape Town Office of JG Afrika

MSAICE -Member of the South African Institution of Civil Engineers

ITSSA Member of ITS SA (Intelligent Transport Systems South Africa)

SAWEA -Member of the South African Wind Energy Association

South African Road Federation: Committee Member of Council SARF

IRF Global Road Safety Audit Team Leader

# **EDUCATION**

1996 - Matric - Matric (Abitur) - Carl Friedrich Gauss Schule, Hemmingen, Germany

1998 - Diploma as Draughtsperson - Lower Saxonian State Office for Road and Bridge Engineering

2003 - MSc Eng (Civil and Transportation) - Leibniz Technical University of Hanover, Germany

# SPECIFIC EXPERIENCE (Selection)

JG Afrika (Pty) Ltd (Previously Jeffares & Green (Pty) Ltd)

2016 - Date

Position - Associate

Kudusberg Windfarm - Transport study for the proposed Kudusberg Windfarm near Sutherland, Northern Cape - Client: G7 Renewable Energies

- Kuruman Windfarm Transport study for the proposed Kuruman Windfarm in Kuruman, Northern Cape – Client: Mulilo Renewable Project Developments
- Coega West Windfarm Transportation and Traffic Management Plan for the proposed Coega Windfarm in Coega, Port Flizabeth – Client: Flectrawinds Coega
- Traffic and Parking Audits for the Suburb of Groenvallei in Cape Town Client: City of Cape Town Department of Property Management.
- Road Safety Audit for the Upgrade of N1 Section 4 Monument River Client: Aurecon on behalf of SANRAL
- Sonop Windfarm Traffic Impact Assessment for the proposed Sonop Windfarm, Coega, Port Elizabeth – Client: Founders Engineering
- Universal Windfarm Traffic Impact Assessment for the proposed Universal Windfarm, Coega, Port Elizabeth - Client: Founders Engineering
- Road Safety Audit for the Upgrade of N2 Section 8 Knysna to Wittedrift Client: SMEC on behalf of SANRAL
- Road Safety Audit for the Upgrade of N1 Section 16 Zandkraal to Winburg South Client: SMEC on behalf of SANRAL
- Traffic and Road Safety Studies for the Improvement of N7 Section 2 and Section 3 (Rooidraai and Piekenierskloof Pass) – Client: SANRAL
- Road Safety Appraisals for Northern Region of Cape Town Client: Aurecon on behalf of City of Cape Town (TCT)
- Traffic Engineering Services for the Enkanini Informal Settlement, Kayamandi Client:
   Stellenbosch Municipality
- Lead Traffic Engineer for the Upgrade of a 150km Section of the National Route N2 from Kangela to Pongola in KwaZulu-Natal, Client: SANRAL
- Traffic Engineering Services for the Kosovo Informal Settlement (which is part of the Southern Corridor Upgrade Programme), Client: Western Cape Government
- Traffic and Road Safety Studies for the proposed Kosovo Informal Housing Development (part of the Southern Corridor Upgrade Program), Client: Western Cape Government.
- Road Safety Audit Stage 3 Upgrade of the R573 Section 2 between Mpumalanga/Gauteng and Mpumalanga/Limpopo, Client: AECOM on behalf of SANRAL
- Road Safety Audit Stage 1 and 3 Upgrade of the N2 Section 5 between Lizmore and Heidelberg, Client: Aurecon on behalf of SANRAL
- Traffic Safety Studies for Roads Upgrades in Cofimvaba, Eastern Cape Client: Cofimvaba Municipality
- Road Safety Audit Stage 1 and 3 Improvement of Intersections between Olifantshoek and Kathu, Northern Cape, Client: Nadeson/Gibb on behalf of SANRAL
- Road Safety Audit Stage 3 Upgrade of the Beacon Way Intersection on the N2 at Plettenberg Bay, Client: AECOM on behalf of SANRAL

- Traffic Impact Assessment for a proposed Primary School at Die Bos in Strand,
   Somerset West, Client: Edifice Consulting Engineers
- Road Safety Audit Stage 1 and 3 Improvement of R75 between Port Elizabeth and Uitenhage, Fastern Cape, Client: SMFC on behalf of SANRAL

# **ANNEXURE J:**

# COMMENTS FROM OTHER DEPARTMENTS

HM/ CENTRAL KAROO/ BEAUFORT WEST / FARM 432

Case No.:

22040810SB0322E

Enquiries:

Stephanie-Anne Barnardt

E-mail:

stephanie.barnardt@westerncape.gov.za

Tel: 021 483 5959

Jenna Lavin

Jenna.lavln@clsherllage.com



# FINAL COMMENT:

In terms of Section 38(8) of the National Heritage Resources Act (Act 25 of 1999) and the Western Cape
Provincial Gazette 6061, Notice 298 of 2003

HERITAGE IMPACT ASSESSMENT: PROPOSED DEVELOPMENT OF GAMKA PV FACILITY AND ASSOCIATED INFRASTRUCTURE ON THE REMAINING EXTENT ON PORTION 0 FARM 423, BEAUFORT WEST, SUBMITTED IN TERMS OF SECTION 38(8) OF THE NATIONAL HERITAGE RESOURCES ACT (ACT 25 OF 1999)

CASE NUMBER: 22040810 SB0322E

The matter above has reference.

This matter was discussed at the Impact Assessment Committee (IACom) meeting held on 13 April 2022. It was noted that the matter was tabled at Archaeology, Palaeontology and Meteorites Committee (APM) meeting held on the 11 April 2022 whereby the Committee approved the HIA by CTS dated November 2021 for Gamka recommendations on page 39.

# FINAL COMMENT:

The Committee endorsed the HIA as meeting the requirements of S.38(3) of the NHRA and endorse the recommendations in the HIA as followed:

The HWC Chance Fossil Finds Procedure must be implemented for the duration of construction activities Although all possible care has been taken to identify sites of cultural importance during the investigation of the study area, it is always possible that hidden or subsurface sites could be overlooked during the assessment. 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, burials or other categories of heritage resources are found during the proposed development, work must cease in the vicinity of the find and HWC must be alerted immediately to determine an appropriate way forward.

HWC reserves the right to request additional information as required. Should you have any further queries, please contact the official above and quote the case number.

Colette Scheermeyer

**Deputy Director** 



29 April 2022



Street Address: Protea Assurance Building, Green Market Square, Cape Town, 8000 • Postal Address; P.O. Box 1665, Cape Town, 8000 • Tel: +27 (0)21 483 5959 • E-mail: ceoheritage@westerncape.gov.za

Straatadres: Protea Assuransie-gebou, Groentemarkplein, Kaapstad, 8000 • Posadres: Posbus 1665, Kaapstad, 8000
• Tel: +27 (0)21 483 5959 • E-pos: ceoheritage@westerncape.gov.za

Idilesi yendawo: kurngangatho 3, kwisakhiwo iprotea Assurance, Greenmarket Square, ekapa, 8000 • idilesi yeposi: Inombolo yebhokisi yeposi 1665, eKapa, 8000 • linombolo zomnxeba: +27 (0)21 483 5959 • Idilesi ye-imeyile; ceoheritage@westerncape.gov.za



HM/ CENTRAL KAROO/ BEAUFORT WEST / FARM 432

Case No.:

22040818SB0322E

**Enquiries**:

Stephanie-Anne Barnardt

E-mail:

stephanie.barnardt@westerncape.gov.za

Tel:

021 483 5959

Jenna Lavin

Jenna.lavln@clsherllage.com



# FINAL COMMENT:

In terms of Section 38(8) of the National Heritage Resources Act (Act 25 of 1999) and the Western Cape Provincial Gazette 6061, Notice 298 of 2003

HERITAGE IMPACT ASSESSMENT: PROPOSED DEVELOPMENT OF HARDEVELD PV FACILITY AND ASSOCIATED INFRASTRUCTURE ON THE REMAINING EXTENT ON PORTION 0 FARM 423, BEAUFORT WEST, SUBMITTED IN TERMS OF SECTION 38(8) OF THE NATIONAL HERITAGE RESOURCES ACT (ACT 25 OF 1999)

CASE NUMBER: 22040818SB0322E

The matter above has reference.

This matter was discussed at the Impact Assessment Committee (IACom) meeting held on 13 April 2022. It was noted that the matter was tabled at Archaeology, Palaeontology and Meteorites Committee (APM) meeting held on the 11 April 2022 whereby the Committee approved the HIA by CTS dated November 2021 for Hardeveld recommendations on page 39.

# FINAL COMMENT:

The Committee endorsed the HIA as meeting the requirements of \$.38(3) of the NHRA and endorse the recommendations in the HIA as followed:

The HWC Chance Fossil Finds Procedure must be implemented for the duration of construction activities Although all possible care has been taken to identify sites of cultural importance during the investigation of the study area, it is always possible that hidden or subsurface sites could be overlooked during the assessment. 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, burials or other categories of heritage resources are found during the proposed development, work must cease in the vicinity of the find and HWC must be alerted immediately to determine an appropriate way forward.

HWC reserves the right to request additional information as required. Should you have any further queries, please contact the official above and quote the case number.

Colette Scheermeyer

**Deputy Director** 



www.westerncape.gov.za/cas

Street Address: Protea Assurance Building, Green Market Square, Cape Town, 8000 • Postal Address: P.O. Box 1665, Cape Town, 8000 • Tel: +27 (0)21 483 5959 • E-mail: ceoheritage@westerncape.gov.za

Straatadres: Protea Assuransie-gebou, Groentemarkplein, Kaapstad, 8000 - Posadres: Posbus 1665, Kaapstad, 8000

Tel: +27 (0)21 483 5959 • E-pos: ceoheritage@westerncape.gov.za

Idilesi yendawe: kumgangatho 3, kwisakhiwo iprotea Assurance, Greenmarket Square, ekapa, 8000 + Idilesi yepasi: Inombolo yebhokisi yeposi 1665, eKapa, 8000 • Iinombolo zomnxeba: +27 (0)21 483 5959 • Idilesi ye-imeyile: ceoheritage@westerncape.gov.za



HM/ CENTRAL KAROO/ BEAUFORT WEST / FARM 432

Case No.:

22040819SB0322E

**Enquiries:** 

Stephanie-Anne Barnardt

E-mail:

stephanie.barnardt@westerncape.gov.za

Tel: 021 483 5959

Jenna Lavin

jenna.lavln@clsherllage.com



# FINAL COMMENT:

In terms of Section 38(8) of the National Heritage Resources Act (Act 25 of 1999) and the Western Cape Provincial Gazette 6061, Notice 298 of 2003

HERITAGE IMPACT ASSESSMENT: PROPOSED DEVELOPMENT OF HOODIA PV FACILITY AND ASSOCIATED INFRASTRUCTURE ON THE REMAINING EXTENT ON PORTION 0 FARM 423, BEAUFORT WEST, SUBMITTED IN TERMS OF SECTION 38(8) OF THE NATIONAL HERITAGE RESOURCES ACT (ACT 25 OF 1999)

CASE NUMBER: 22040819SB0322E

The matter above has reference.

This matter was discussed at the Impact Assessment Committee (IACom) meeting held on 13 April 2022. It was noted that the matter was tabled at Archaeology, Palaeontology and Meteorites Committee (APM) meeting held on the 11 April 2022 whereby the Committee approved the HIA by CTS dated November 2021 for Hoodia recommendations on page 39.

# FINAL COMMENT:

The Committee endorsed the HIA as meeting the requirements of \$.38(3) of the NHRA and endorse the recommendations in the HIA as followed:

The HWC Chance Fossil Finds Procedure must be implemented for the duration of construction activities Although all possible care has been taken to identify sites of cultural importance during the investigation of the study area, it is always possible that hidden or subsurface sites could be overlooked during the assessment. 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, burials or other categories of heritage resources are found during the proposed development, work must cease in the vicinity of the find and HWC must be alerted immediately to determine an appropriate way forward.

HWC reserves the right to request additional information as required. Should you have any further queries, please contact the official above and quote the case number.

Colette Scheermeyer

**Deputy Director** 

Heritage Western Cape Erfenis Wes-Kaap ILifa leMveli leNtshona Koloni

29 April 2022

www.westerncape.gov.za/cas

Street Address: Protea Assurance Building, Green Market Square, Cape Town, 8000 • Postal Address: P.O. Box 1665, Cape Town, 8000 • Tel: +27 (0)21 483 5959 • E-mail: ceoheritage@westerncape.gov.za

Straatadres: Protea Assuransie-gebou, Groentemarkplein, Kaapstad, 8000 • Posadres: Posbus 1665, Kaapstad, 8000 • Tel: +27 (0)21 483 5959 • E-pos: ceoheritage@westerncape.gov.za

Idilesi yendawo: kumgangatho 3, kwixakhiwo iprotea Assurance, Groenmarket Square, okapa, 8000 • Idilesi yeposi. Inombolo yebhokisi yeposi 1665, eKapa, 8000 • Iinombolo zomnxeba: +27 (0)21 483 5959 • Idilesi ye-imeyile: ceoheritage@westerncape.gov.za



HM/ CENTRAL KAROO/ BEAUFORT WEST / FARM 432

Case No.:

Enquiries:

22040820SB0322E Stephanie-Anne Barnardt

E-mail:

stephanie.barnardt@westerncape.gov.za

Tel:

021 483 5959

Jenna Lavin jenna.lavin@clsherilage.com



### FINAL COMMENT:

In terms of Section 38(8) of the National Heritage Resources Act (Act 25 of 1999) and the Western Cape Provincial Gazette 6061, Notice 298 of 2003

HERITAGE IMPACT ASSESSMENT: PROPOSED DEVELOPMENT OF ROSENIA PV FACILITY AND ASSOCIATED INFRASTRUCTURE ON THE REMAINING EXTENT ON PORTION 0 FARM 423, BEAUFORT WEST, SUBMITTED IN TERMS OF SECTION 38(8) OF THE NATIONAL HERITAGE RESOURCES ACT (ACT 25 OF 1999)

CASE NUMBER: 22040820SB0322E

The matter above has reference.

This matter was discussed at the Impact Assessment Committee (IACom) meeting held on 13 April 2022. It was noted that the matter was tabled at Archaeology, Palaeontology and Meteorites Committee (APM) meeting held on the 11 April 2022 whereby the Committee approved the HIA by CTS dated November 2021 for Rosenia recommendations on page 39.

### FINAL COMMENT:

The Committee endorsed the HIA as meeting the requirements of \$.38(3) of the NHRA and endorse the recommendations in the HIA as followed:

The HWC Chance Fossil Finds Procedure must be implemented for the duration of construction activities Although all possible care has been taken to identify sites of cultural importance during the investigation of the study area, it is always possible that hidden or subsurface sites could be overlooked during the assessment. 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, burials or other categories of heritage resources are found during the proposed development, work must cease in the vicinity of the find and HWC must be alerted immediately to determine an appropriate way forward.

HWC reserves the right to request additional information as required.

Should you have any further queries, please contact the official above and quote the case number.

Colette Scheermeyer Deputy Director Heritage Western Cape
Erfenis Wes-Kaap
ILifa leMveli leNtshona Koloni

29 April 2022

www.westerncape.gov.za/cas

Street Address: Protea Assurance Building, Green Market Square, Cape Town, 8000 • Postal Address: P.O. Box 1665, Cape Town, 8000 • Tel: +27 (0)21 483 5959 • E-mail: ceoheritage@westerncape.gov.za

Straatadres: Protea Assuransie-gebou, Groentemarkplein, Kaapstad, 8000 • Posadres: Posbus 1665, Kaapstad, 8000 • Tel: +27 (0)21 483 5959 • E-pos: ceoheritage@westerncape.gov.za

Idilesi yendawe: kumgangatho 3, kwisakhiwo iprotea Assurance, Greenmarket Square, ekapa, 8000 + Idilesi yeposi: Inombolo yebhokisi yeposi 1665, eKapa, 8000 + Irinombolo zomnxeba: +27 (0)21 483 5959 + Idilesi ye-imeyile: ceoheritage@westerncape.gov.za



HM/ CENTRAL KAROO/ BEAUFORT WEST /

FARM 432, 4/169, 5/169, 1/168, 10/170

Case No.:

21091003SB0913E

Enquiries:

es: Stephanie-Anne Barnardt

E-mail:

stephanie.barnardt@westerncape.gov.za

Tel:

021 483 5959

Jenna Lavin jenna.lavin@ctsheritage.com



# FINAL COMMENT:

In terms of Section 38(8) of the National Heritage Resources Act (Act 25 of 1999) and the Western Cape
Provincial Gazette 6061, Notice 298 of 2003

HERITAGE IMPACT ASSESSMENT: PROPOSED BULSKOP PV GRID ALONG WITH ASSOCIATED ON BULSKOP PV FACILITY ON FARM 432, 4/169, 5/169, 1/168, 10/170, BEAUFORT WEST, SUBMITTED IN TERMS OF SECTION 38(8) OF THE NATIONAL HERITAGE RESOURCES ACT (ACT 25 OF 1999)

CASE NUMBER: 21091003SB0913E

The matter above has reference.

This matter was discussed at the Impact Assessment Committee (IACom) meeting held on 13 April 2022. It was noted that the matter was tabled at Archaeology, Palaeontology and Meteorites Committee (APM) meeting held on the 11 April 2022 whereby the Committee approved the HIA by CTS dated October 2021 and the recommendations on page 37 of the HIA.

### FINAL COMMENT:

The Committee endorsed the HIA as meeting the requirements of \$.38(3) of the NHRA and endorse the recommendations in the HIA as followed:

- No impact must occur to the abandoned werf identified at BLK055 and as such, a 50m no-go buffer around this site is recommended
- The HWC Chance Fossil Finds Procedure must be implemented for the duration of construction activities
- 3. Although all possible care has been taken to identify sites of cultural importance during the investigation of the study area, it is always possible that hidden or subsurface sites could be overlooked during the assessment. 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, burials or other categories of heritage resources are found during the proposed development, work must cease in the vicinity of the find and HWC must be alerted immediately to determine an appropriate way forward.

HWC reserves the right to request additional information as required.

Should you have any further queries, please contact the official above and quote the case number.

Colette Scheermeyer

**Deputy Director** 

Heritage Western Cape Erfenis Wes-Kaap ILifa leMveli leNtshona Koloni

29 April 2022

www.westerncape.gov.za/cas

Street Address: Protea Assurance Building, Green Market Square, Cape Town, 8000 • Postal Address: P.O. Box 1665, Cape Town, 8000 • Tel: +27 (0)21 483 5959 • E-mail: ceoheritage@westerncape.gov.za

Straatadres: Protea Assuransie-gebou, Groentemarkplein, Kaapstad, 8000 • Posadres: Posbus 1665, Kaapstad, 8000 • Tel: +27 (0)21 483 5959 • E-pos: ceoheritage@westerncape.gov.za

Idilesi yendawe: kumgangatho 3, kwisakhiwo iprotea Assurance, Greenmarket Square, ekapa, 8000 • Idilesi yeposi: Inombolo yebhokisi yeposi 1665, eKapa, 8000 • Iinombolo zomnxeba: +27 (0)21 483 5959 • Idilesi ye-imeyile: ceoheritage@westerncape.gov.za



HM/ CENTRAL KAROO/ BEAUFORT WEST / FARM 432

Case No.:

22040821SB0322E

**Enquiries**:

Stephanie-Anne Barnardt

E-mail:

stephanie.barnardt@westerncape.gov.za

Tel:

021 483 5959

Jenna Lavin

Jenna lavin@ctsheritage.com



## FINAL COMMENT:

In terms of Section 38(8) of the National Heritage Resources Act (Act 25 of 1999) and the Western Cape Provincial Gazette 6061, Notice 298 of 2003

HERITAGE IMPACT ASSESSMENT: PROPOSED DEVELOPMENT OF SALSOLA PV FACILITY AND ASSOCIATED INFRASTRUCTURE ON THE REMAINING EXTENT ON PORTION 0 FARM 423, BEAUFORT WEST, SUBMITTED IN TERMS OF SECTION 38(8) OF THE NATIONAL HERITAGE RESOURCES ACT (ACT 25 OF 1999)

CASE NUMBER: 22040821SB0322E

The matter above has reference.

This matter was discussed at the Impact Assessment Committee (IACom) meeting held on 13 April 2022. It was noted that the matter was tabled at Archaeology, Palaeontology and Meteorites Committee (APM) meeting held on the 11 April 2022 whereby the Committee approved the HIA by CTS dated November 2021 for Salsola recommendations on page 39.

# FINAL COMMENT:

The Committee endorsed the HIA as meeting the requirements of S.38(3) of the NHRA and endorse the recommendations in the HIA as followed:

The HWC Chance Fossil Finds Procedure must be implemented for the duration of construction activities Although all possible care has been taken to identify sites of cultural importance during the investigation of the study area, it is always possible that hidden or subsurface sites could be overlooked during the assessment. 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, burials or other categories of heritage resources are found during the proposed development, work must cease in the vicinity of the find and HWC must be alerted immediately to determine an appropriate way forward.

HWC reserves the right to request additional information as required. Should you have any further queries, please contact the official above and quote the case number.

Colette Scheermeyer

**Deputy Director** 

Heritage Western Cape
Erfenis Wes-Kaap
ILifa leMveli leNtshona Koloni

29 April 2022

www.westerncape.gov.za/cas

Street Address: Protea Assurance Building, Green Market Square, Cape Town, 8000 • Postal Address: P.O. Box 1665, Cape Town, 8000 • Tel: +27 (0)21 483 5959 • E-mail: ceoheritage@westerncape.gov.za

Straatadres: Protea Assuransie-gebou, Groentemarkplein, Kaapstad, 8000 • Posadres: Posbus 1665, Kaapstad, 8000

• Tel: +27 (0)21 483 5959 • E-pos: ceoheritage@westerncape.gov.za

Idilesi yendawo: kumgangatho 3, kwisakhiwo iprotea Assurance, Greenmarket Square, ekapa, 8000 + Idilesi yeposi: Inombolo yebhokisi yeposi 1665, eKapa, 8000 • Iinombolo zomnxeba: +27 (0)21 483 5959 • Idilesi ye-imeyile: ceoheritage@westerncape.gov.za



HM/ CENTRAL KAROO/ BEAUFORT WEST / FARM 432

Case No.:

21091004SB0913E

**Enquiries**:

Stephanie-Anne Barnardt

E-mail: Tel

stephanie.barnardt@westerncape.gov.za

021 483 5959



Jenna Lavin ienna.lavin@ctsheritage.com

# FINAL COMMENT:

In terms of Section 38(8) of the National Heritage Resources Act (Act 25 of 1999) and the Western Cape Provincial Gazette 6061, Notice 298 of 2003

HERITAGE IMPACT ASSESSMENT: PROPOSED DEVELOPMENT OF BULSKOP PV FACILITY AND ASSOCIATED INFRASTRUCTURE ON THE REMAINING EXTENT ON PORTION 0 FARM 423, BEAUFORT WEST, SUBMITTED IN TERMS OF SECTION 38(8) OF THE NATIONAL HERITAGE RESOURCES ACT (ACT 25 OF 1999)

CASE NUMBER: 21091004SB0913E

The matter above has reference.

This matter was discussed at the Impact Assessment Committee (IACom) meeting held on 13 April 2022. It was noted that the matter was tabled at Archaeology, Palaeontology and Meteorites Committee (APM) meeting held on the 11 April 2022 whereby the Committee approved the HIA by CTS dated November 2021 for Bulskop recommendations on page 40.

# FINAL COMMENT:

The Committee endorsed the HIA as meeting the requirements of S.38(3) of the NHRA and endorse the recommendations in the HIA as followed:

The HWC Chance Fossil Finds Procedure must be implemented for the duration of construction activities Although all possible care has been taken to identify sites of cultural importance during the investigation of the study area, it is always possible that hidden or subsurface sites could be overlooked during the assessment. If any evidence of archaeological sites or remains (e.g. remnants of stone-made structures, indigenous ceramics, bones, stone artefacts, ostrich egashell fragments, charcoal and ash concentrations), fossils, burials or other categories of heritage resources are found during the proposed development, work must cease in the vicinity of the find and HWC must be alerted immediately to determine an appropriate way forward.

HWC reserves the right to request additional information as required. Should you have any further queries, please contact the official above and quote the case number.

Colette Scheermeyer

**Deputy Director** 



22 April 2022

www.westerncape.gov.za/cas

Street Address: Protea Assurance Building, Green Market Square, Cape Town, 8000 • Postal Address: P.O. Box 1665, Cape Town, 8000 • Tel: +27 (0)21 483 5959 • E-mail: ceoheritage@westerncape.gov.za

Straatadres: Protea Assuransie gebou, Groentemarkplein, Kaapstad, 8000 - Pusadres, Posbus 1665, Kaapstad, 8000

Tel: +27 (0)21 483 5959 • E-pos: ceoheritage@westerncape.gov.za

Idilesi yendawe: kumgangatho 3, kwisakhiwo iprotea Assurance, Greenmarket Square, ekapa, 8000 • Idilesi yeposi; Inombolo yebhokisi yeposi 1665, eKapa. 8000 • **linombolo zomnxeba:** +27 (0)21 483 5959 • **Idilesi ye-imeyile:** ceoheritage@westerncape.gov.za



Enquiries: M Koen
MINERAL REGULATION AND
ADMINISTRATION
WESTERN GAPE
Private Bag X9, Rogge Bay, 8012
Tel No: (021) 427-1019
Fax No: (021) 427-1046
Email: morne.koen@dmre.gov.za
Ref: (WC) 30/5/4/2/11503 SU
Your Ref:

THE DIRECTOR
BULSKOP GRID (PTY) LTD
101 BLOCK A 7 WEST
QUAY ROAD
WATERFRONT
8001

Dear Sir/Madam

APPLICATION FOR THE APPROVAL IN TERMS OF SECTION 53 OF THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT 28 OF 2002: PROPOSED CONSTRUCTION OF A GRID CONSTRUCTION INFRASTRUCTURE ON THE REMAINING EXTENT OF FARM 423, PORTIONS 4,5 OF FARM 169, PORTION 1 OF THE FARM STEENROTSFOUNTAIN 168, PORTION 10 OF THE FARM WELTEVREDEN 170 SITUATED IN THE DISTRICT OF IN THE DISTRICT OF BEAUFORT-WEST.

We acknowledge receipt of your application dated the 12 October 2021.

According to the records of this office, there is a consent issued on the remaining extent of Farm 423. In terms of Section 53 of the Mineral and Petroleum Resources Development Act 2002 (Act 28 of 2002), we have no objection against the proposed development on the above-mentioned properties.

The approval granted does not negate the responsibility of the developer to comply with any other statuary requirements that may be applicable to the undertaking of such development.

Yours faithfully

REGIONAL MANAGER WESTERN CAPE REGION DATE: 03/05/2022



Enquiries: M Koen MINERAL REGULATION AND ADMINISTRATION WESTERN CAPE Private Bag X9, Rogge Bay, 8012 Iel No: (021) 427-1019 Fax No: (021) 427-1046 Email: morne.koen@dirre.gov.zu Ref: (WC) 30/5/4/2/11499 SU Your Ref:

THE DIRECTOR
BULSKOP PV (PTY) LTD
101 BLOCK A 7
WEST QUAY ROAD
WATERFRONT
CAPE TOWN
8001

Dear Sir/Madam

APPLICATION FOR THE APPROVAL IN TERMS OF SECTION 53 OF THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT 28 OF 2002: PROPOSED CONSTRUCTION OF A SOLAR PHOTOVOLTIAC (PV) FACILITY ON THE REMAINING EXTENT FARM 423 SITUATED IN THE DISTRICT OF BEAUFORT-WEST.

We acknowledge receipt of your application dated the 04 October 2021.

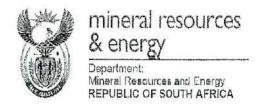
According to the records of this office, there are no existing mining/prosecting rights on the above-mentioned property.

This office therefore has no objection against the proposed construction of a solar photovoltaic (PV) facility on the mentioned property.

Yours faithfully

REGIONAL MANAGER WESTERN CAPE REGION

DATE: 14/0/1/2022



Enquiries: M Koen MINERAL REGULATION AND ADMINISTRATION WESTERN CAPE Private Bag X9, Rogge Bay, 8012 Tel No: (021) 427-1019 Fax No: (021) 427-1046 Email: morne.koen@dmre.gov.za Ref: (WC) 30/5/4/2/11494 SU Your Ref:

THE DIRECTOR
GAMKA PV (PTY) LTD
101 BLOCK A 7
WEST QUAY ROAD
WATERFRONT
CAPE TOWN
8001

Dear Sir/Madam

APPLICATION FOR THE APPROVAL IN TERMS OF SECTION 53 OF THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT 28 OF 2002: PROPOSED CONSTRUCTION OF A SOLAR PHOTOVOLTIAC (PV) FACILITY ON THE REMAINING EXTENT FARM 423 SITUATED IN THE DISTRICT OF BEAUFORT-WEST.

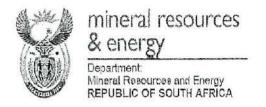
We acknowledge receipt of your application dated the 04 October 2021.

According to the records of this office, there are no existing mining/prosecting rights on the above-mentioned property.

This office therefore has no objection against the proposed construction of a solar photovoltaic (PV) facility on the mentioned property.

Yours faithfully

REGIONAL MANAGER WESTERN CAPE REGION DATE: 14/01/2022



Enquiries: M Koen
MINERAL REGULATION AND
ADMINISTRATION
WESTERN CAPE
Private Bag X9, Rogge Bay, 8012
Tel No: (021) 427-1019
Fax No: (021) 427-1046
Email: morne keen@dmra gov za
Ref: (WC) 3016/4/2/11495 SU
Your Ref:

THE DIRECTOR
HARDEVELD PV (PTY) LTD
101 BLOCK A 7
WEST QUAY ROAD
WATERFRONT
CAPE TOWN
8001

Dear Sir/Madam

APPLICATION FOR THE APPROVAL IN TERMS OF SECTION 53 OF THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT 28 OF 2002: PROPOSED CONSTRUCTION OF A SOLAR PHOTOVOLTIAC (PV) FACILITY ON THE REMAINING EXTENT FARM 423 SITUATED IN THE DISTRICT OF BEAUFORT-WEST.

We acknowledge receipt of your application dated the 04 October 2021.

According to the records of this office, there are no existing mining/prosecting rights on the above-mentioned property.

This office therefore has no objection against the proposed construction of a solar photovoltaic (PV) facility on the mentioned property.

Yours faithfully

REGIONAL MANAGER WESTERN CAPE REGION DATE: 14/01/2022



Enquiries: M Koen
MINERAL REGULATION AND
ADMINISTRATION
WESTERN CAPE
Private Bag X9, Rogge Bay, 8012
Tel No . (021) 427-1019
Fax No: (021) 427-1046
Email: morne.tcom@dmre.gov.za
Ref: (WC) 30/5/4/2/11497 SU
Your Ref:

THE DIRECTOR
HOODIA PV (PTY) LTD
101 BLOCK A 7
WEST QUAY ROAD
WATERFRONT
CAPE TOWN
8001

Dear Sir/Madam

APPLICATION FOR THE APPROVAL IN TERMS OF SECTION 53 OF THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT 28 OF 2002: PROPOSED CONSTRUCTION OF A SOLAR PHOTOVOLTIAC (PV) FACILITY ON THE REMAINING EXTENT FARM 423 SITUATED IN THE DISTRICT OF BEAUFORT-WEST.

We acknowledge receipt of your application dated the 04 October 2021.

According to the records of this office, there are no existing mining/prosecting rights on the above-mentioned property.

This office therefore has no objection against the proposed construction of a solar photovoltaic (PV) facility on the mentioned property.

Yours faithfully

REGIONAL MANAGER WESTERN CAPE REGION

DATE: 14/01/2022



Enquiries: M Koen MINERAL REGULATION AND ADMINISTRATION WESTERN CAPE Private Bag X9, Rogge Bay, 8012 Tel No: (021) 427-1019 Fax No: (021) 427-1046 Email: morne.koen@dmre.gov.za Ref: (WC) 30/5/4/2/11498 SU Your Ref:

THE DIRECTOR
ROSENIA PV (PTY) LTD
101 BLOCK A 7
WEST QUAY ROAD
WATERFRONT
CAPE TOWN
8001

Dear Sir/Madam

APPLICATION FOR THE APPROVAL IN TERMS OF SECTION 53 OF THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT 28 OF 2002: PROPOSED CONSTRUCTION OF A SOLAR PHOTOVOLTIAC (PV) FACILITY ON THE REMAINING EXTENT FARM 423 SITUATED IN THE DISTRICT OF BEAUFORT-WEST.

We acknowledge receipt of your application dated the 04 October 2021.

According to the records of this office, there are no existing mining/prosecting rights on the above-mentioned property.

This office therefore has no objection against the proposed construction of a solar photovoltaic (PV) facility on the mentioned property.

Yours faithfully

REGIONAL MANAGER WESTERN CAPE REGION DATE: 14/01/2022



Enquiries: M Koen MINERAL REGULATION AND ADMINISTRATION WESTERN CAPE WESTERN CAPE
Private Bag X9, Rogge Bay, 8012
Tel No: (021) 427-1019
Fax No: (021) 427-1046
Email: morne.koen@dmre.gov.za
Ref: (WC) 30/5/4/2/11496 SU Your Ref:

THE DIRECTOR SALSOLA PV (PTY) LTD 101 BLOCK A 7 WEST QUAY ROAD WATERFRONT CAPE TOWN 8001

Dear Sir/Madam

APPLICATION FOR THE APPROVAL IN TERMS OF SECTION 53 OF THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT 28 OF 2002: PROPOSED CONSTRUCTION OF A SOLAR PHOTOVOLTIAC (PV) FACILITY ON THE REMAINING EXTENT FARM 423 SITUATED IN THE DISTRICT OF BEAUFORT-WEST.

We acknowledge receipt of your application dated the 04 October 2021.

According to the records of this office, there are no existing mining/prosecting rights on the above-mentioned property.

This office therefore has no objection against the proposed construction of a solar photovoltaic (PV) facility on the mentioned property.

Yours faithfully

REGIONAL MANAGER WESTERN CAPE REGION

DATE: 14/01/2022



Bulskop PV (Pty) Ltd 101 Block A West Quay Building 7 West Quay Road Waterfront, Western Cape 8001

13 October 2021

CELL C LIMITED

Waterfall Campus
Can Massell Drive and Pretoria Main Road
Burglein Fist 10, 2090

Private Bag X36 Beninsia 2010 Johanneshung South Africa

T +27 (0)84 (74 40)00 F +27 (0)84 (67 6598 W \*\*\* cells so rd

Registration Number: 1992-067322 de

For attention: The Directors

Re: Request to Cell C for the Approval / No Objection for the establishment of the Bulskop PV facility

- 1. The above matter refers.
- 2. Cell C has reviewed your request and in consideration of the provisions of Section 29(1) (b) of the Electronic Communications Act no. 36 of 2005 ("the Act"). There is no possible impact of the Bulskop PV facility on the Cell C network and services.
- From the information provided by yourselves and the Cell C analysis, Cell C does not
  have any objection with the construction of the proposed power plant as Cell C does
  not have any infrastructure at the location of the proposed Bulskop PV facility.
- 4. Cell C trust you find the above in order.

Yours sincerely,

Marius Claassen

Executive Head: Networks



Gamka PV (Pty) Ltd 101 Block A, West Quay Building, 7 West Quay Road Waterfront, Western Cape 8001

13 October 2021

CELL C LIMITED

Waterfall Campus
Link Maxwell Eniverand Pretoria Main Road
Bioceleuch Ext 10, 2090

Private Bag X36 Benmore 2010 Tohancesburg South Africa

T +27 16:84 174 4000 F +27 0:84 167 6598 W \*\*\* cells co to

Registration Number: 1999-007727-06

For attention: The Directors

Re: Request to Cell C for the Approval / No Objection for the establishment of the Gamka PV facility

- 1. The above matter refers.
- Cell C has reviewed your request and in consideration of the provisions of Section 29(1) (b) of the Electronic Communications Act no. 36 of 2005 ("the Act"). There is no possible impact of the Gamka PV facility on the Cell C network and services.
- 3. From the information provided by yourselves and the Cell C analysis, Cell C does not have any objection with the construction of the proposed power plant as Cell C does not have any infrastructure at the location of the proposed Gamka PV facility.
- 4. Cell C trust you find the above in order.

Yours sincerely,

Marius Claassen

Executive Head: Networks



Hardeveld PV (Pty) Ltd 101 Block A West Quay Building 7 West Quay Road Waterfront, Western Cape 8001

13 October 2021

CELL C LIMITED

Waterfall Campus
Cm: Maxwell Drive and Pretorio Main Road
Bucclauch Fet 10, 2090

Private Bag X36 Benmore, 2010 Jahannesburg, Sauth Africa

T +27 (0)84 174 4000 F +27 (0)84 167 6598 W www.cellc.co.zo

Registration Number: 1999-007722 06

For attention: The Directors

Re: Request to Cell C for the Approval / No Objection for the establishment of the Hardeveld PV facility

- 1. The above matter refers.
- Cell C has reviewed your request and in consideration of the provisions of Section 29(1) (b) of the Electronic Communications Act no. 36 of 2005 ("the Act"). There is no possible impact of the Hardeveld PV facility on the Cell C network and services.
- From the information provided by yourselves and the Cell C analysis, Cell C does not
  have any objection with the construction of the proposed power plant as Cell C does
  not have any infrastructure at the location of the proposed Hardeveld PV facility.
- 4. Cell C trust you find the above in order.

Yours sincerely,

Marius Claassen

Executive Head: Networks



Hoodia PV (Pty) Ltd 101 Block A West Quay Building 7 West Quay Road Waterfront, Western Cape 8001

13 October 2021

CELL C LIMITED

Waterfall Campus Cnr Maxwell Drive and Pretoria Main Road Buccleuch Ext 10, 2090

Private Bog X36 Benmore, 2010 Johannesburg South Africa

T +27 10/84 174 4000 F +27 10/84 167 6598 W www.cellc.co.ra

Registration Number: 1999/007722 0c

For attention: The Directors

Re: Request to Cell C for the Approval / No Objection for the establishment of the Hoodia PV facility

- 1. The above matter refers.
- Cell C has reviewed your request and in consideration of the provisions of Section 29(1) (b) of the Electronic Communications Act no. 36 of 2005 ("the Act"). There is no possible impact of the Hoodia PV facility on the Cell C network and services.
- From the information provided by yourselves and the Cell C analysis, Cell C does not
  have any objection with the construction of the proposed power plant as Cell C does
  not have any infrastructure at the location of the proposed Hoodia PV facility.
- 4. Cell C trust you find the above in order.

Yours sincerely,

Marius Claassen

Executive Head: Networks



Rosenia PV (Pty) Ltd 101 Block A West Quay Building 7 West Quay Road Waterfront, Western Cape 8001

13 October 2021

CELL C LIMITED

Waterfall Campus

Cor Maswell Drive and Pretona Main Road Bucclouch Est 10, 2090

Private Bag X16 Benmore 2010 Johannesburg South Africa

T +27:0/84 174 4000

F +27 0-84 167 6598 W www.cells.so.tu

Registration Number: 1999-007722-06

For attention: The Directors

Re: Request to Cell C for the Approval / No Objection for the establishment of the Rosenia PV facility

- 1. The above matter refers.
- Cell C has reviewed your request and in consideration of the provisions of Section 29(1) (b) of the Electronic Communications Act no. 36 of 2005 ("the Act"). There is no possible impact of the Rosenia PV facility on the Cell C network and services.
- 3. From the information provided by yourselves and the Cell C analysis, Cell C does not have any objection with the construction of the proposed power plant as Cell C does not have any infrastructure at the location of the proposed Rosenia PV facility.
- 4. Cell C trust you find the above in order.

Yours sincerely,

Marius Claassen

Executive Head: Networks



Salsola PV (Pty) Ltd 101 Block A West Quay Building 7 West Quay Road Waterfront, Western Cape 8001

13 October 2021

#### CELL C LIMITED

Waterfall Campus
On Maxwell Drive and Pretoria Main Road
Buckleuch Ext 10, 2090

Private Bag X36 Berimora, 2010 Johannesburg, South Africa

T •27 (0)84 174 4000 F •27 (0)84 167 6598 W •••• cefic co to

Registration Number: 19.99,007772-06

For attention: The Directors

Re: Request to Cell C for the Approval / No Objection for the establishment of the Salsola PV facility

- 1. The above matter refers.
- 2. Cell C has reviewed your request and in consideration of the provisions of Section 29(1) (b) of the Electronic Communications Act no. 36 of 2005 ("the Act"). There is no possible impact of the Salsola PV facility on the Cell C network and services.
- From the information provided by yourselves and the Cell C analysis, Cell C does not
  have any objection with the construction of the proposed power plant as Cell C does
  not have any infrastructure at the location of the proposed Salsola PV facility.
- 4. Cell C trust you find the above in order.

Yours sincerely,

Marius Claassen

Executive Head: Networks

MOBILE TELEPHONE NETWORKS PROPRIETARY LIMITED (Registration number:1993/ 001436/07) 216 14<sup>th</sup> Avenue, Fairland, 2195 Private Bag 9955, Crosta, 2118, South Africa Tel +2711 912 3000 Fax +2711 912 4670



ATT: The Directors
BULSKOP PV (PTY) LTD
101 Block A, West Quay Building,
7 West Quay Road,
Waterfront,
8001

By Email: michael@atlanticep.com 01 October 2021

# RE: BULSKOP PV FACILITY - LETTER OF NO OBJECTION

To whom it may concern,

Your email correspondence addressed to MTN on 30 September 2021, relating to your application to develop "BULSKOP PV Facility" on Farm No. 423, Beaufort West Local Municipality, Western Cape has reference.

The project details are as follows:

Applicant/ Project Company	BULSKOP PV (Pty) Ltd
Project name	BULSKOP PV
Property	Farm No. 423, Beaufort West Local Municipality, Western Cape

Solar Panels Max Height	5.5m
Powerline Maz Height	- 32m

MTN's radio engineers have reviewed the technical information relating to this proposed development and have confirmed that the proposed Solar PV facility will not have an impact on the MTN network.

Please note that we have no objection towards the project and wish to inform you that you may proceed accordingly.

Yours in communication,

Nadene van Wyk Regional Property Lead

Cell: 083 209 1861

Email: Nadene.vanWyk@mtn.com

Directors: MJ Harper (Chairman), GN Motsa (Chief Executive Officer), MJ Bosman, SA Fakie, T Leoka, CWN Molope, RT Mupita, PD Norman, S Perumal, J Schulte-Bockum, and SA Zinn

Company Secretary PT Sishuba-Bonoyi

MOBILE TELEPHONE NETWORKS PROPRIETARY LIMITED (Registration number:1993/ 001436/07)
216 14<sup>th</sup> Avenue, Fairland, 2195
Private Bag 9955, Cresta, 2118, South Africa
Tel +2711 912 3000 Fax +2711 912 4670



ATT: The Directors
GAMKA PV (PTY) LTD
101 Block A, West Quay Building,
7 West Quay Road,
Waterfront,
8001

By Email: michael@atlanticep.com 01 October 2021

### RE: GAMKA PV FACILITY - LETTER OF NO OBJECTION

To whom it may concern,

Your email correspondence addressed to MTN on 30 September 2021, relating to your application to develop "Gamka PV Facility" on Farm No. 423, Beaufort West Local Municipality, Western Cape has reference.

The project details are as follows:

Applicant/ Project Company	Gamka PV (Pty) Ltd
Project name	Gamka PV
Property	Farm No. 423, Beaufort West Local Municipality, Western Cape

Solar Panels Max Height	5.5m
Powerline Maz Height	32m

MTN's radio engineers have reviewed the technical information relating to this proposed development and have confirmed that the proposed Solar PV facility will not have an impact on the MTN network.

Please note that we have no objection towards the project and wish to inform you that you may proceed accordingly.

Yours in communication,

Nadene van Wyk

Regional Property Lead Cell: 083 209 1861

Email: Nadene.vanWyk@mtn.com

Directors: MJ Harper (Chairman), GN Motsa (Chief Executive Officer), MJ Bosman, SA Fakie, T Leoka, CWN Molope, RT Mupita, PD Norman, S Perumal, J Schulte-Bockum, and SA Zinn Company Secretary PT Sishuba-Bonoyi

MOBILE TELEPHONE NETWORKS PROPRIETARY LIMITED (Registration number:1993/001436/07) 216 14<sup>th</sup> Avenue, Fairland, 2195 Frivale Bag 9955, Cresta, 2118, South Africa Tel +2711 912 3000 Fax +2711 912 4670



ATT: The Directors
HARDEVELD PV (PTY) LTD
101 Block A, West Quay Building,
7 West Quay Road,
Waterfront,
8001

By Email: michael@atlanticep.com 01 October 2021

#### RE: HARDEVELD PV FACILITY - LETTER OF NO OBJECTION

To whom it may concern,

Your email correspondence addressed to MTN on 30 September 2021, relating to your application to develop "HARDEVELD PV Facility" on Farm No. 423, Beaufort West Local Municipality, Western Cape has reference.

The project details are as follows:

Applicant/ Project Company	HARDEVELD PV (Pty) Ltd
Project name	HARDEVELD PV
Property	Farm No. 423, Beaufort West Local Municipality, Western Cape

Solar Panels Max Height	5.5m	
Powerline Maz Height	32m	

MTN's radio engineers have reviewed the technical information relating to this proposed development and have confirmed that the proposed Solar PV facility will not have an impact on the MTN network.

Please note that we have no objection towards the project and wish to inform you that you may proceed accordingly.

Yours in communication,

Nadene van Wyk

Regional Property Lead

Cell: 083 209 1861

Email: Nadene.vanWyk@mtn.com

Directors: MJ Harper (Chairman), GN Motsa (Chief Executive Officer), MJ Bosman, SA Fakie, T Leoka, CWN Molope, RT Mupita, PD Norman, S Perumal, J Schulte-Bockum, and SA Zinn

Company Secretary PT Sishuba-Bonoyi

MOBILE TELEPHONE NETWORKS PROPRIETARY LIMITED (Registration number:1993/ 001436/07) 216 14<sup>th</sup> Avenue, Fairland, 2195 Private Bag 9955, Cresta, 2118, South Africa Tel +2711 912 3000 Fax +2711 912 4670



ATT: The Directors HOODIA PV (PTY) LTD 101 Block A, West Quay Building, 7 West Quay Road, Waterfront, 8001

> By Email: michael@atlanticep.com 01 October 2021

# RE: HOODIA PV FACILITY - LETTER OF NO OBJECTION

To whom it may concern,

Your email correspondence addressed to MTN on 30 September 2021, relating to your application to develop "HOODIA PV Facility" on Farm No. 423, Beaufort West Local Municipality, Western Cape has reference.

The project details are as follows:

Applicant/ Project Company	HOODIA PV (Pry) Ltd	
Project name	HOODIA PV	
Property	Farm No. 423, Beaufort West Local Municipality, Western Cape	

Solar Panels Max Height	5.5m	
Powerline Maz Height	32m	

MTN's radio engineers have reviewed the technical information relating to this proposed development and have confirmed that the proposed Solar PV facility will not have an impact on the MTN network.

Please note that we have no objection towards the project and wish to inform you that you may proceed accordingly.

Yours in communication,

Nadene van Wyk Regional Property Lead

Cell: 083 209 1861

Email: Nadene.vanWyk@mtn.com

Directors: MJ Harper (Chairman), CN Molsa (Chief Executive Officer), MJ Bosman, SA Fakie, T Leoka, CWN Molope, RT Mupita, PD Norman, S Perumal, J Schulte-Bockum, and SA Zinn
Company Secretary PT Sishuba-Bonoyi

MOBILE TELEPHONE NETWORKS PROPRIETARY LIMITED (Registration number:1993/ 001436/07) 216 14<sup>th</sup> Avenue, Fairland, 2195 Private Bag 9955, Cresta, 2118, South Africa Tel +2711 912 3000 Fax +2711 912 4670



ATT: The Directors ROSENIA PV (PTY) LTD 101 Block A, West Quay Building, 7 West Quay Road, Waterfront, 8001

> By Email: michael@atlanticep.com 01 October 2021

# RE: ROSENIA PV FACILITY - LETTER OF NO OBJECTION

To whom it may concern,

Your email correspondence addressed to MTN on 30 September 2021, relating to your application to develop "ROSENIA PV Facility" on Form No. 423, Beaufort West Local Municipality, Western Cape has reference.

The project details are as follows:

Applicant/ Project Company	ROSENIA PV (Pty) Ltd	
Project name	ROSENIA PV	
Property	Farm No. 423, Beaufort West Local Municipality, Western Cape	

Solar Panels Max Height	5.5m
Powerline Maz Height	32m

MTN's radio engineers have reviewed the technical information relating to this proposed development and have confirmed that the proposed Solar PV facility will not have an impact on the MTN network.

Please note that we have no objection towards the project and wish to inform you that you may proceed accordingly.

Yours in communication,

Nadene van Wyk

Regional Property Lead Cell: 083 209 1861

Email: Nadene.vanWyk@mtn.com

MOBILE TELEPHONE NETWORKS PROPRIETARY LIMITED (Registration number:1993/ 001436/07) 216 14<sup>th</sup> Avenue, Fairland, 2195 Private Bag 9955, Cresta, 2118, South Africa Tel +2711 912 3000 Fax +2711 912 4670



ATT: The Directors
SALSOLA PV (PTY) LTD
101 Block A, West Quay Building,
/ West Quay Road,
Waterfront,
8001

By Email: michael@atlanticep.com 01 October 2021

### RE: SALSOLA PV FACILITY - LETTER OF NO OBJECTION

To whom it may concern,

Your email correspondence addressed to MTN on 30 September 2021, relating to your application to develop "SALSOLA PV Facility" on Farm No. 423, Beaufort West Local Municipality, Western Cape has reference.

The project details are as follows:

Applicant/ Project Company	SALSOLA PV (Pry) Ltd
Project name	SALSOLA PV
Property	Farm No. 423, Beaufort West Local Municipality, Western Cape

Solar Panels Max Height	5.5m
Powerline Maz Height	32m

MTN's radio engineers have reviewed the technical information relating to this proposed development and have confirmed that the proposed Solar PV facility will not have an impact on the MTN network.

Please note that we have no objection towards the project and wish to inform you that you may proceed accordingly.

Yours in communication,

Nadene van Wyk

Regional Property Lead Cell: 083 209 1861

Email: Nadene.vanWyk@mtn.com

Directors: MJ Harper (Chairman), GN Motsa (Chief Executive Officer), MJ Bosman, SA Fakie, T Leoka, CWN Molope, RT Mupita, PD Norman, S Perumal, J Schulte-Bockum, and SA Zinn

Company Secretary PT Sishuba Bonoyi



Liquid Intelligent Technologies (PTY) LTD Infrastructure - Gauteng Planning

401 Old Pretoria Rd Halfway House

PLANTHOT

Enquiries

Lubabalo Lalapi

Telephone

+27115850628

Cellular No. TeleFax

Email

Lubabalo Lalapi@liquid.tech

Our Reference

GAU\_LT\_530937

Your Reference

2021-859652-07

NAME OF UTILITY:

Bulskop PV (Pty) Ltd

Date

10/25/2021

ATTENTION:

Michael Johnson

RE: WAYLEAVE APPLICATION : Beaufort West

1. Your letter dated

10/1/2021 is approved in accordance to the Electronic Communications Act No 36 of 2005.

- No communications plant owned by Liquid Intelligent Technologies (PTY) LTD will be affected at this stage however new plant is being constructed daily, therefore any plant not indicated that may be damaged will be for your account.
- Should any Liquid Intelligent Technologies (PTY) LTD plant be encountered/damaged during excavations please contact us on the above numbers
- If construction has not yet commenced within six months of the date of this letter, the file must be resubmitted for approval

\*\*\*Please do not hesitate to contact me if you have any queries concerning the above.\*\*\*

Yours faithfully Lubabalo Lalapi **ROW Consultant** 

Mauritius (Hered office) ● Boltswans ● DRC ● Kenys ● Lesotho ● Rivands ● South Africa ● Tanzans ● Uganda ● Zembia ● Zimbubwe ■ UAE ● UK

gent Technologies (PTY) LTD South Africa Proprietary Limited: 2004/004619/07

Liquid intelligent Technologies brings a successful and proven business model to South Africa, which results in a compelling value proposition to telecoms operators, enterprises, governments, small and medium businesses and individual customers. It also creates a wide range of exciting opportunities for our staff. and promises a great deal for our loyal suppliers



Liquid Intelligent Technologies (PTY) LTD Infrastructure - Gauteng Planning

401 Old Pretoria Rd Halfway House Midrand

1685

PLANTHOT

Engunes.

Lubabalo Lalam

Telephone

+27115850628

Cellular No: TeleFax

Email:

Lubabalo Lalapi@liquid.tech

Our Reference

GAU\_LT\_967438

2021-860707-07

Your Reference:

NAME OF UTILITY:

Salsola PV (Pty) Ltd

Date

10/25/2021

ATTENTION:

Michael Johnson

RE: WAYLEAVE APPLICATION : Beaufort West

1. Your letter dated

- 10/1/2021 is approved in accordance to the Electronic Communications Act No 36 of 2005
- No communications plant owned by Liquid Intelligent Technologies (PTY) LTD will be affected at this stage however new plant is being constructed daily, therefore any plant not indicated that may be damaged will be for your account.
- Should any Liquid intelligent Technologies (PTY) LTD plant be encountered/damaged during excavations please contact us on the above numbers.
- If construction has not yet commenced within six months of the date of this letter, the file must be resubmitted for approval.

\*\*\*Please do not hesitate to contact me if you have any queries concerning the above.\*\*\*

Yours faithfully Lubabalo Lalapi **ROW Consultant** 

Mountius (Head office) • Bothmana • CRC • Kenya • Lesotho • Rivanda • SouthAfrica • Tunzania • Uganda • Zambia • Zimbatwe • UAE • LK

ent Technologies (PTY) LTD South Africa Proprietary Limited, 2004/004619/07

Liquid Intelligent Technologies brings a successful and proven business model to South Africa, which results in a compelling value proposition to telecoms operators, enterprises, governments, small and medium businesses and individual customers. It also creates a wide range of exciling opportunities for our staff, and promises a great deal for our loyal suppliers



Liquid Intelligent Technologies (ITIY) LTD

Infrastructure - Gauteng Planning

401 Old Pretoria Rd

Halfway House

Midrand

1685

PLANTINOT

Enquiries

Lubabalo Lalaga

Telephone Cellular No +27115850628

TeleFax

Email

Lubabalo Lalapi@liquid.tech

Our Reference

GAU LT 887424

Your Reference

2021-800669-07

NAME OF UTILITY:

Gamka PV (Pty) Ltd

Date

10/25/2021

ATTENTION:

Michael Johnson

RE: WAYLEAVE APPLICATION : Beaufort West

1. Your letter dated

10/1/2021 is approved in accordance to the Electronic Communications Act No 36 of 2005

- No communications plant owned by Liquid Intelligent Technologies (PTY) LTD will be affected at this stage however new plant is being constructed daily, therefore any plant not indicated that may be damaged will be for your account.
- Should any Liquid Intelligent Technologies (PTY) LTD plant be encountered/damaged during excavations please contact us on the above numbers
- If construction has not yet commenced within six months of the date of this letter, the file must be resubmitted for approval

\*\*\*Please do not hesitate to contact me if you have any queries concerning the above.\*\*\*

Yours faithfully Lubabalo Lalapi

ROW Consultant

Minuritius (Head office) ● Botowana ● DRC ● Kienya ● Lesotha ● Rwanda ● SouthAfrica ● Tanzania ● Uganda ● Zambia ● Zambia ● Zambia Minuritius

ligent Technologies (PTY) LTD South Africa Proprieting Limited 2004/004619/07

Liquid Intelligent Technologies brings a successful and proven business model to South Africa, which results in a compelling value proposition to telecoms operators, enterprises, governments, small and medium businesses and individual customers. It also creates a wide range of exciting opportunities for our staff, and promises a great deal for our loyal suppliers.



Liquid Intelligent Technologies (PTY) LTD Infrastructure - Gauteng Planning 401 Old Pretoria Rd Halfway House Midrand



Enquiries

Lubabalo Lalapi

Telephone:

+27115850628

Cellular No

TeleFax. Email

Lubabalo Lalapi@liquid.tech

GAU LT 151747

Our Reference: Your Reference.

2021-860694-07

Date:

10/25/2021

NAME OF UTILITY :

Hardeveld PV (Pty) Ltd

Michael Johnson

ATTENTION:

RE: WAYLEAVE APPLICATION : Beaufort West

1. Your letter dated

10/1/2021 is approved in accordance to the Electronic Communications Act No 36 of 2005

- No communications plant owned by Liquid Intelligent Technologies (PTY) LTD will be affected at this stage however new plant is being constructed daily, therefore any plant not indicated that may be damaged will be for your account
- Should any Liquid Intelligent Technologies (PTY) LTD plant be encountered/damaged during excavations please contact us on the above numbers
- If construction has not yet commenced within six months of the date of this letter, the file must be resubmitted for approval

\*\*\*Please do not hesitate to contact me if you have any queries concerning the above.\*\*\*

Yours faithfully Lubabalo Lalapi **ROW Consultant** 

Mauritius (Head office) 

Botswans 

TRU 

Kenys 

Leaotho 

Rainnds 

SouthAfrica 

Tanzanis 

Uganda 

Zambis 

Zimbabwe 

UAE 

UK.

Liquid Intelligent Technologies (PTY) LTD South Africa Proprietary Limited 2004/034519/07

Liquid Intelligent Technologies brings a successful and proven business model to South Africa, which results in a compelling value proposition to telecoms operators, enterprises, governments, small and medium businesses and individual customers. It also creates a wide range of exciting opportunities for our staff, and promises a great deal for our loyal suppliers



Liquid Intelligent Technologies (FTY) LTD Infrastructure – Gauteng Planning 401 Old Pretona Rd Halfway House

Midrand

PLANT NOT PAFFECTED Enquiries

Lubabalo Lalapi

Telephone.

+27115850628

Cellular No. TeleFax

Email

Lubabalo Lalapi@liquid.tech

Our Reference

GAU\_LT\_924763

Your Reference

2021-860718-07

NAME OF UTILITY:

Hoodia PV (Pty) Ltd

Date

10/25/2021

ATTENTION ;

Michael Johnson

RE: WAYLEAVE APPLICATION :

Beaufort West

1. Your letter dated

10/1/2021 is approved in accordance to the Electronic Communications Act No 36 of 2005.

- 2 No communications plant owned by Liquid Intelligent Technologies (PTY) LTD will be affected at this stage however new plant is being constructed daily, therefore any plant not indicated that may be damaged will be for your account
- 3 Should any Liquid intelligent Technologies (PTY) LTD plant be encountered/damaged during excavations please contact us on the above numbers
- 4 If construction has not yet commenced within six months of the date of this letter, the file must be resubmitted for approval

\*\*\*Please do not hesitate to contact me if you have any queries concerning the above.\*\*\*

Yours faithfully Lubabalo Lalapi ROW Consultant

Mauritius (Head office) e Bolswaris e DRC e Kenya e Lesotho e Rvanda e SouthAfrica e Tanzaria e Uganda e Zambas e Zimbaswe e UAE e UK

Liquid Intelligent Technologies (PTY) LTD South Africa Preprietary Limited 2004/004619/07

Liquid Intelligent Technologies brings a successful and proven business model to South Africa, which results in a compelling value proposition to telecoms operators, enterprises, governments, small and medium businesses and individual customers. It also creates a wide range of exciting opportunities for our staff, and promises a great deal for our loyal suppliers.



Liquid Intelligent Technologies (PTY) LT() Infrastructure - Gauteng Planning 401 Old Pretona Rd Halfway House Midrand 1685



Enquines

Lubabalo Lalapi +27115850628

Telephone

Cellular No

TeleFax Email

Lubabalo Lalapi@liquid.tech

Our Reference

GAU LT 812255

Your Reference. 2021 900109 07

Date

10/25/2021

NAME OF UTILITY:

Rosenia PV (Pty) Ltd

ATTENTION :

Michael Johnson

RE: WAYLEAVE APPLICATION: Beaufort West

1 Your letter dated

10/1/2021 is approved in accordance to the Electronic Communications Act No 36 of 2005.

- No communications plant owned by Liquid Intelligent Technologies (PTY) LTD will be affected at this stage however new plant is being constructed daily, therefore any plant not indicated that may be damaged will be for your account.
- Should any Liquid Intelligent Technologies (PTY) LTD plant be encountered/damaged during excavations please contact us on the above numbers
- If construction has not yet commenced within six months of the date of this letter, the file must be resubmitted for approval

\*\*\*Please do not hesitate to contact me if you have any queries concerning the above.\*\*\*

Yours faithfully Lubabalo Lalapi ROW Consultant

> Maunitus (Head office) ◆Botewans ◆DRC ◆Kenya ◆Lesotho ◆ Rivends ◆ SouthAfrica ◆ Tanzanis ◆ Uganda ◆ Zambia ◆ Zimbabus ◆ UAE ◆ UK gent Technologies (PTY) LTD South Africa Proprietary Limited 2004/004615/07

Liquid Intelligent Technologies brings a successful and proven business model to South Africa, which results in a compelling value proposition to telecoms operators, enterprises, governments, small and medium businesses and individual customers. It also creates a wide range of exciting opportunities for our staff, and promises a great deal for our loyal suppliers.



For attention: The Directors BULSKOP PV (PTY) LTD 101 Block A, West Quay Building, 7 West Quay Road, Waterfront, 8001

12 October 2021

Dear Sir/Madam,

Impact of the proposed Bulskop Solar Energy facility on the South African Weather Service Radar Infrastructure.

The proposed Bulskop solar energy facility is situated on Farm No. 423, Beaufort West Local Municipality, Western Cape.

Tests conducted by South African Weather Service indicated that the proposed development will not have any direct impact on the South African Weather Service radar station located in Cape Town. Therefore, South African Weather Service supports the development of the Bulskop Solar Energy facility in the proposed location.

Please feel free to contact us should you require any further assistance in this regard.

Recommender

Final Approver

Bernard Petlane

Senior Manager: Technical Services

Certified for Excellence Board Members: Ms Nana Magomola (Chairperson), Dr Phillip Dexter (Deputy Chairperson), Adv Derick Block, Mr David Lefutso, Dr Mphekgo Maila, Ms Kelebogile Moroka-Mosia, Ms Sally Mudly-Padayachie, Dr Thuli Khumalo (DFFE Rep), Mr Itani Phaduli, Ms Feziwe Renge. Mr Ishaam Abader (CEO).

Company Secretary: Ms Thandi Zide







For attention: The Directors GAMKA PV (PTY) LTD 101 Block A, West Quay Building, 7 West Quay Road, Waterfront, 8001

12 October 2021

Dear Sir/Madam,

Impact of the proposed Gamka Solar Energy facility on the South African Weather Service Radar Infrastructure.

The proposed Gamka solar energy facility is situated on Farm No. 423, Beaufort West Local Municipality, Western Cape.

Tests conducted by South African Weather Service indicated that the proposed development will not have any direct impact on the South African Weather Service radar station located in Cape Town. Therefore, South African Weather Service supports the development of the Gamka Solar Energy facility in the proposed location.

Please feel free to contact us should you require any further assistance in this regard.

Recommender

Final Approver

Bernard Petlane

Senior Manager: Technical Services

Certified for Excellence

Board Members: Ms Nana Magomola (Chairperson), Dr Phillip Dexter (Deputy Chairperson), Adv Derick Block, Mr David Lefutso, Dr Mphekgo Malla, Ms Kelebogile Moroka-Mosia, Ms Sally Mudly-Fadayachie, Dr Thuli Khumalo (DFFE Rep), Mr Itani Phaduli, Ms Feziwe Renge. Mr Ishaam Abader (CEO).

Company Secretary: Ms Thandi Zide







For attention: The Directors HARDEVELD PV (PTY) LTD 101 Block A, Wost Quay Building, 7 West Quay Road, Waterfront, 8001

12 October 2021

Dear Sir/Madam,

Impact of the proposed Hardeveld Solar Energy facility on the South African Weather Service Radar Infrastructure.

The proposed Hardeveld solar energy facility is situated on Farm No. 423, Beaufort West Local Municipality, Western Cape.

Tests conducted by South African Weather Service indicated that the proposed development will not have any direct impact on the South African Weather Service radar station located in Cape Town. Therefore, South African Weather Service supports the development of the Hardeveld Solar Energy facility in the proposed location.

Please feel free to contact us should you require any further assistance in this regard.

Recommender

Final Approver

Bernard Petlane

Senior Manager: Technical Services

Certified for Excellence

Board Members: Ms Nana Magomola (Chairperson), Dr Phillip Dexter (Deputy Chairperson), Adv Derick Block, Mr David Lefutso, Dr Mphekgo Maila, Ms Kelebogile Moroka-Mosia, Ms Sally Mudly-Padayachie, Dr Thuli Khumalo (DFFE Rep), Mr Itani Phaduli, Ms Feziwe Renqe. Mr Ishaam Abader (CEO). Company Secretary: Ms Thandi Zide







For attention: The Directors HOODIA PV (PTY) LTD 101 Block A, West Quay Building, 7 West Quay Road, Waterfront, 8001

12 October 2021

Dear Sir/Madam,

Impact of the proposed Hoodia Solar Energy facility on the South African Weather Service Radar Infrastructure.

The proposed Hoodia solar energy facility is situated on Farm No. 423, Beaufort West Local Municipality, Western Cape.

Tests conducted by South African Weather Service indicated that the proposed development will not have any direct impact on the South African Weather Service radar station located in Cape Town. Therefore, South African Weather Service supports the development of the Hoodia Solar Energy facility in the proposed location.

Please feel free to contact us should you require any further assistance in this regard.

Recommender

Final Approver

Bernard Petlane

Senior Manager: Technical Services

Certified for Excellence Board Members: Ms Nana Magomola (Chairperson), Dr Phillip Dexter (Deputy Chairperson), Adv Derick Block, Mr David Lefutso, Dr Mphekgo Maila, Ms Kelebogile Moroka-Mosia, Ms Sally Mudly-Padayachie, Dr Thuli Khumalo (DFFE Rep), Mr Itani Phaduli, Ms Feziwe Renge. Mr Ishaam Abader (CEO). Company Secretary: Ms Thandi Zide







For attention: The Directors ROSENIA PV (PTY) LTD 101 Block A, West Quay Building, 7 West Quay Road, Waterfront, 8001

12 October 2021

Dear Sir/Madam,

Impact of the proposed Rosenia Solar Energy facility on the South African Weather Service Radar Infrastructure.

The proposed Rosenia solar energy facility is situated on Farm No. 423, Beaufort West Local Municipality, Western Cape.

Tests conducted by South African Weather Service indicated that the proposed development will not have any direct impact on the South African Weather Service radar station located in Cape Town. Therefore, South African Weather Service supports the development of the Rosenia Solar Energy facility in the proposed location.

Please feel free to contact us should you require any further assistance in this regard.

Recommender

**Final Approver** 

Bernard Petlane

Senior Manager: Technical Services

Certified for Excellence Board Members: Ms Nana Magomola (Chairperson), Dr Phillip Dexter (Deputy Chairperson), Adv Derick Block, Mr David Lefutso, Dr Mphekgo Maila, Ms Kelebogile Moroka-Mosia, Ms Sally Mudly-Padayachie, Dr Thuli Khumalo (DFFE Rep), Mr Itani Phaduli, Ms Feziwe Renge. Mr Ishaam Abader (CEO). Company Secretary: Ms Thandi Zide







For attention: The Directors SALSOLA PV (PTY) LTD 101 Block A, West Quay Building, 7 West Quay Road, Waterfront, 8001

12 October 2021

Dear Sir/Madam,

Impact of the proposed Salsola Solar Energy facility on the South African Weather Service Radar Infrastructure.

The proposed Salsola solar energy facility is situated on Farm No. 423, Beaufort West Local Municipality, Western Cape.

Tests conducted by South African Weather Service indicated that the proposed development will not have any direct impact on the South African Weather Service radar station located in Cape Town. Therefore, South African Weather Service supports the development of the Salsola Solar Energy facility in the proposed location.

Please feel free to contact us should you require any further assistance in this regard.

Recommender

Final Approver

Bernard Petlane

Senior Manager: Technical Services

Certified for Excellence

Board Members: Ms Nana Magomola (Chairperson), Dr Phillip Dexter (Deputy Chairperson), Adv Derick Block, Mr David Lefutso, Dr Mphekgo Maila, Ms Kelebogile Moroka-Mosia, Ms Sally Mudly-Padayachie, Dr Thuli Khumalo (DFFE Rep), Mr Itani Phaduli, Ms Feziwe Renge. Mr Ishaam Abader (CEO).

Company Secretary: Ms Thandi Zide

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Private Bag X06 Honeydew 2040

Tel: (011) 471 4400

Enquiries: motlhakes@sentech.co.za

BULSKOP PV (PTY) LTD 101 Block A, West Quay Building, 7 West Quay Road, Waterfront, 8001

Date: 30 September 2021

Attention: Directors of Bulskop PV (PTY) LTD

# Proposed establishment of Bulskop PV Facility

- 1. The above matter refers.
- We wish to advise that SENTECH SOC Ltd ("SENTECH") has received an application from BULSKOP PV (PTY) LTD ("the applicant"), which plans to construct one solar PV facility as described in annexure 1, hereafter referred to as "Bulskop PV", in accordance with the provisions of Section 29(1) (b) of the Electronic Communications Act no. 36 of 2005 ("the Act").
- 3. SENTECH has analysed the information provided by the applicant in accordance with the provisions of Section 29(1) (c) of the Act, and specifically the location of the site and confirm that there would be limited degradation of SENTECH transmitted Terrestrial UHF/VHF Television (TV), and/or FM radio services in the planned deployment area, as indicated in annexure 1.
- 4. SENTECH hereby grants the applicant approval to proceed with the construction of its energy project at the site subject to the following terms and conditions:
- 4.1 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:
- 4.2 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) day's written notice to remove the cause of the interference.



- 4.3 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, suffered as a consequence of the aforementioned request and the applicant fully indemnify SENTECH;
- 4.4 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.
- 5. This approval is further subject to the submitted applications boundaries or structures listed in annexure 1 hereto, the materials used, 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.
- 6. 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.
- 7. Any additions, amendments, additional structures to be built, or any change to the energy farm boundaries, will require a new application to SENTECH.
- 8. 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.
- 9. 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 infrastructure.
- 10. 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.
- 11. 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, 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.

12. 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.

All SENTECH rights are fully reserved.

Approved by ..

Serame Motlhake on 30 September 2021

Manager: SSDD and QAO



# ANNEXURE 1

The planned Bulskop PV Facility will be located approximately ±26.34 km south-east of SENTECH Beaufort West C24 transmitter site in the Western Cape Province. There is no objection for the solar park planned near Beaufort West. The solar park will not cause any interference to any broadcast networks.



Map 1: Map indicating Bulskop PV Facility and SENTECH's Beaufort West Transmitters Site

**END DOCUMENT** 



Private Bag X06 Honeydew 2040

Tel: (011) 471 4400

Enquiries: motlhakes@sentech.co.za

GAMKA PV (PTY) LTD 101 Block A, West Quay Building, 7 West Quay Road, Waterfront, 8001

Date: 30 September 2021

Attention: Directors of Gamka PV (PTY) LTD

# Proposed establishment of Gamka PV Facility

- 1. The above matter refers.
- We wish to advise that SENTECH SOC Ltd ("SENTECH") has received an application from GAMKA PV (PTY) LTD ("the applicant"), which plans to construct one solar PV facility as described in annexure 1, hereafter referred to as "Gamka PV", in accordance with the provisions of Section 29(1) (b) of the Electronic Communications Act no. 36 of 2005 ("the Act").
- 3. SENTECH has analysed the information provided by the applicant in accordance with the provisions of Section 29(1) (c) of the Act, and specifically the location of the site and confirm that there would be limited degradation of SENTECH transmitted Terrestrial UHF/VHF Television (TV), and/or FM radio services in the planned deployment area, as indicated in annexure 1.
- 4. SENTECH hereby grants the applicant approval to proceed with the construction of its energy project at the site subject to the following terms and conditions:
- 4.1 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;
- 4.2 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) day's written notice to remove the cause of the interference.



- 4.3 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, suffered as a consequence of the aforementioned request and the applicant fully indemnify SENTECH;
- 4.4 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.
- 5. This approval is further subject to the submitted applications boundaries or structures listed in annexure 1 hereto, the materials used, 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.
- 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.
- 7. Any additions, amendments, additional structures to be built, or any change to the energy farm boundaries, will require a new application to SENTECH.
- 8. 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.
- 9. 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 infrastructure.
- 10. 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.
- 11. 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, 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.

12. 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.

All SENTECH rights are fully reserved.

Approved by ...

Serame Motlhake on 30 September 2021

Manager: SSDD and QAO



#### **ANNEXURE 1**

The planned Gamka PV Facility will be located approximately ±22.86 km south-east of SENTECH Beaufort West C24 transmitter site in the Western Cape Province. There is no objection for the solar park planned near Beaufort West. The solar park will not cause any interference to any broadcast networks.



Map 1: Map indicating Gamka PV Facility and SENTECH's Beaufort West Transmitters Site

**END DOCUMENT** 



Private Bag X06 Honeydew 2040

Tel: (011) 471 4400

Enquiries: motlhakes@sentech.co.za

HARDEVELD PV (PTY) LTD 101 Block A, West Quay Building, 7 West Quay Road, Waterfront, 8001

Date: 30 September 2021

Attention: Directors of Hardeveld PV (PTY) LTD

### Proposed establishment of Hardeveld PV Facility

- 1. The above matter refers.
- 2. We wish to advise that SENTECH SOC Ltd ("SENTECH") has received an application from Hardeveld PV (PTY) LTD ("the applicant"), which plans to construct one solar PV facility as described in annexure 1, hereafter referred to as "Hardeveld PV", in accordance with the provisions of Section 29(1) (b) of the Electronic Communications Act no. 36 of 2005 ("the Act").
- 3. SENTECH has analysed the information provided by the applicant in accordance with the provisions of Section 29(1) (c) of the Act, and specifically the location of the site and confirm that there would be limited degradation of SENTECH transmitted Terrestrial UHF/VHF Television (TV), and/or FM radio services in the planned deployment area, as indicated in annexure 1.
- 4. SENTECH hereby grants the applicant approval to proceed with the construction of its energy project at the site subject to the following terms and conditions:
- 4.1 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:
- 4.2 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) day's written notice to remove the cause of the interference.



- 4.3 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, suffered as a consequence of the aforementioned request and the applicant fully indemnify SENTECH;
- 4.4 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.
- 5. This approval is further subject to the submitted applications boundaries or structures listed in annexure 1 hereto, the materials used, 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.
- 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.
- 7. Any additions, amendments, additional structures to be built, or any change to the energy farm boundaries, will require a new application to SENTECH.
- 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.
- 9. 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 infrastructure.
- 10. 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.
- 11. 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, 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.

12. 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.

All SENTECH rights are fully reserved.

Approved by.

Serame Motlhake on 30 September 2021

Manager: SSDD and QAO



#### ANNEXURE 1

The planned Hardeveld PV Facility will be located approximately ±24.47 km south-east of SENTECH Beaufort West C24 transmitter site in the Western Cape Province. There is no objection for the solar park planned near Beaufort West. The solar park will not cause any interference to any broadcast networks.



Map 1: Map indicating Hardeveld PV Facility and SENTECH's Beaufort West Transmitters Site

**END DOCUMENT** 



Private Bag X06 Honeydew 2040

Tel: (011) 471 4400

Enquiries: motlhakes@sentech.co.za

HOODIA PV (PTY) LTD 101 Block A, West Quay Building, 7 West Quay Road, Waterfront, 8001

Date: 30 September 2021

Attention: Directors of Hoodia PV (PTY) LTD

#### Proposed establishment of Hoodia PV Facility

- 1. The above matter refers.
- We wish to advise that SENTECH SOC Ltd ("SENTECH") has received an application from HOODIA PV (PTY) LTD ("the applicant"), which plans to construct one solar PV facility as described in annexure 1, hereafter referred to as "Hoodia PV", in accordance with the provisions of Section 29(1) (b) of the Electronic Communications Act no. 36 of 2005 ("the Act").
- 3. SENTECH has analysed the information provided by the applicant in accordance with the provisions of Section 29(1) (c) of the Act, and specifically the location of the site and confirm that there would be limited degradation of SENTECH transmitted Terrestrial UHF/VHF Television (TV), and/or FM radio services in the planned deployment area, as indicated in annexure 1.
- 4. SENTECH hereby grants the applicant approval to proceed with the construction of its energy project at the site subject to the following terms and conditions:
- 4.1 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;
- 4.2 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) day's written notice to remove the cause of the interference.



- 4.3 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, suffered as a consequence of the aforementioned request and the applicant fully indemnify SENTECH;
- 4.4 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.
- 5. This approval is further subject to the submitted applications boundaries or structures listed in annexure 1 hereto, the materials used, 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.
- 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.
- 7. Any additions, amendments, additional structures to be built, or any change to the energy farm boundaries, will require a new application to SENTECH.
- 8. 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.
- 9. 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 infrastructure.
- 10. 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.
- 11. 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, 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.

12. 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.

All SENTECH rights are fully reserved.

Approved by.

Serame Motlhake on 30 September 2021

Manager: SSDD and QAO



#### **ANNEXURE 1**

The planned Hoodia PV Facility will be located approximately ±25.15 km south-east of SENTECH Beaufort West C24 transmitter site in the Western Cape Province. There is no objection for the solar park planned near Beaufort West. The solar park will not cause any interference to any broadcast networks.



Map 1: Map indicating Hoodia PV Facility and SENTECH's Beaufort West Transmitters Site

**END DOCUMENT** 



Private Bag X06 Honeydew 2040

Tel: (011) 471 4400

Enquiries: motlhakes@sentech.co.za

ROSENIA PV (PTY) I TD 101 Block A, West Quay Building, 7 West Quay Road, Waterfront, 8001

Date: 30 September 2021

Attention: Directors of Rosenia PV (PTY) LTD

#### Proposed establishment of Rosenia PV Facility

- 1. The above matter refers.
- We wish to advise that SENTECH SOC Ltd ("SENTECH") has received an application from ROSENIA PV (PTY) LTD ("the applicant"), which plans to construct one solar PV facility as described in annexure 1, hereafter referred to as "Rosenia PV", in accordance with the provisions of Section 29(1) (b) of the Electronic Communications Act no. 36 of 2005 ("the Act").
- 3. SENTECH has analysed the information provided by the applicant in accordance with the provisions of Section 29(1) (c) of the Act, and specifically the location of the site and confirm that there would be limited degradation of SENTECH transmitted Terrestrial UHF/VHF Television (TV), and/or FM radio services in the planned deployment area, as indicated in annexure 1.
- 4. SENTECH hereby grants the applicant approval to proceed with the construction of its energy project at the site subject to the following terms and conditions:
- 4.1 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:
- 4.2 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) day's written notice to remove the cause of the interference.



- 4.3 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, suffered as a consequence of the aforementioned request and the applicant fully indemnify SENTECH;
- 4.4 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.
- 5. This approval is further subject to the submitted applications boundaries or structures listed in annexure 1 hereto, the materials used, 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.
- 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.
- 7. Any additions, amendments, additional structures to be built, or any change to the energy farm boundaries, will require a new application to SENTECH.
- 8. 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.
- 9. 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 infrastructure.
- 10. 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.
- 11. 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, 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.

12. 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.

All SENTECH rights are fully reserved.

Approved by.

Serame Motlhake on 30 September 2021

Manager: SSDD and QAO



#### ANNEXURE 1

The planned Rosenia PV Facility will be located approximately ±25.07 km south-east of SENTECH Beaufort West C24 transmitter site in the Western Cape Province. There is no objection for the solar park planned near Beaufort West. The solar park will not cause any interference to any broadcast networks.



Map 1: Map indicating Rosenia PV Facility and SENTECH's Beaufort West Transmitters Site

END DOCUMENT



Private Bag X06 Honeydew 2040

Tel: (011) 471 4400

Enquiries: motlhakes@sentech.co.za

SALSOLA PV (PTY) LTD 101 Block A, West Quay Building, 7 West Quay Road, Waterfront, 8001

Date: 30 September 2021

Attention: Directors of Salsola PV (PTY) LTD

### Proposed establishment of Salsola PV Facility

- 1. The above matter refers.
- We wish to advise that SENTECH SOC Ltd ("SENTECH") has received an application from SALSOLA PV (PTY) LTD ("the applicant"), which plans to construct one solar PV facility as described in annexure 1, hereafter referred to as "Salsola PV", in accordance with the provisions of Section 29(1) (b) of the Electronic Communications Act no. 36 of 2005 ("the Act").
- 3. SENTECH has analysed the information provided by the applicant in accordance with the provisions of Section 29(1) (c) of the Act, and specifically the location of the site and confirm that there would be limited degradation of SENTECH transmitted Terrestrial UHF/VHF Television (TV), and/or FM radio services in the planned deployment area, as indicated in annexure 1.
- 4. SENTECH hereby grants the applicant approval to proceed with the construction of its energy project at the site subject to the following terms and conditions:
- 4.1 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;
- 4.2 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) day's written notice to remove the cause of the interference.



- 4.3 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, suffered as a consequence of the aforementioned request and the applicant fully indemnify SENTECH;
- 4.4 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.
- 5. This approval is further subject to the submitted applications boundaries or structures listed in annexure 1 hereto, the materials used, 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.
- 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.
- 7. Any additions, amendments, additional structures to be built, or any change to the energy farm boundaries, will require a new application to SENTECH.
- 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.
- 9. 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 infrastructure.
- 10. 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.
- 11. 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, 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.

12. 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.

All SENTECH rights are fully reserved.

Approved by.

Serame Motlhake on 30 September 2021

Manager: SSDD and QAO



#### ANNEXURE 1

The planned Salsola PV Facility will be located approximately ±23.68 km south-east of SENTECH Beaufort West C24 transmitter site in the Western Cape Province. There is no objection for the solar park planned near Beaufort West. The solar park will not cause any interference to any broadcast networks.



Map 1: Map indicating Salsola PV Facility and SENTECH's Beaufort West Transmitters Site

END DOCUMENT



For attention: The Directors
BULSKOP PV (PTY) LTD

101 Block A, West Quay Building,
7 West Quay Road,
Waterfront,
8001

## Impact on Vodacom Towers at Bulskop Solar Farm area (Beaufort West municipal area)

Reference to email received on 30 September 2021. Bulskop Solar Farm - Act 36 of 2005

This is to confirm that Vodacom has no objection to the proposed amended solar structures in Beaufort West municipal area reference (GPS coordinates 32°24'37.24"S: 22°43'53.69") it will have no impact on surrounding Vodacom towers or its existing / future transmission routes (Microwave) in this area.

Please communicate any future changes or deviations from the original planning to this office since this confirmation remains specific to this request only.

Yours Faithfully

Alleldenhung.

Digitally signed by Christina J Geldenhuys Date: 2021.10.01 08:56:20 +02'00'

Christien Geldenhuys

EHOD Operations Vodacom Western Region

Tel: +27872894020



For attention: The Directors

GAMKA PV (PTY) LTD

101 Block A, West Quay Building,

7 West Quay Road,

Waterfront,

8001

## Impact on Vodacom Towers at Gamka Solar Farm area (Beaufort West municipal area)

Reference to email received on 30 September 2021. Gamka Solar Farm - Act 36 of 2005

This is to confirm that Vodacom has no objection to the proposed amended solar structures in Beaufort West municipal area reference (GPS coordinates 32°23'2.50"S: 22°42'22.89"E) it will have no impact on surrounding Vodacom towers or its existing / future transmission routes (Microwave) in this area.

Please communicate any future changes or deviations from the original planning to this office since this confirmation remains specific to this request only.

Yours Faithfully

Alphas hung

Digitally signed by Christina J Geldenhuys Date: 2021.10.01 .....08:55:45 +02'00'

Christien Geldenhuys

EHOD Operations Vodacom Western Region

Tel: +27872894020



For attention: The Directors
HARDEVELD PV (PTY) LTD
101 Block A, West Quay Building,
7 West Quay Road,
Waterfront,
8001

## Impact on Vodacom Towers at Hardeveld Solar Farm area (Beaufort West municipal area)

Reference to email received on 30 September 2021. Hardeveld Solar Farm - Act 36 of 2005

This is to confirm that Vodacom has no objection to the proposed amended solar structures in Beaufort West municipal area reference (GPS coordinates 32°22'59.27"S: 22°43'23.45"E) it will have no impact on surrounding Vodacom towers or its existing / future transmission routes (Microwave) in this area .

Please communicate any future changes or deviations from the original planning to this office since this confirmation remains specific to this request only.

Yours Faithfully

Applanting

Digitally signed by Christina J Geldenhuys Date: 2021.10.01 .....08:57:02+02'00'

Christien Geldenhuys

EHOD Operations Vodacom Western Region

Tel: +27872894020



For attention: The Directors
ROSENIA PV (PTY) LTD
101 Block A, West Quay Building,
7 West Quay Road,
Waterfront,
8001

## Impact on Vodacom Towers at Rosenia Solar Farm area (Beaufort West municipal area)

Reference to email received on 30 September 2021. Rosenia Solar Farm - Act 36 of 2005

This is to confirm that Vodacom has no objection to the proposed amended solar structures in Beaufort West municipal area reference (GPS coordinates 32°24'37.11"S: 22°42'51.82"E) it will have no impact on surrounding Vodacom towers or its existing / future transmission routes (Microwave) in this area.

Please communicate any future changes or deviations from the original planning to this office since this confirmation remains specific to this request only.

Yours Faithfully

History

Digitally signed by Christina J Geldenhuys Date: 2021.10.01 08:59:20:+02'00'

Christien Geldenhuys

EHOD Operations Vodacom Western Region

Tel: +27872894020



For attention: The Directors SALSOLA PV (PTY) LTD 101 Block A, West Quay Building, 7 West Quay Road, Waterfront, 8001

## Impact on Vodacom Towers at Salsola Solar Farm area (Beaufort West municipal area)

Reference to email received on 30 September 2021. Salsola Solar Farm - Act 36 of 2005

This is to confirm that Vodacom has no objection to the proposed amended solar structures in Beaufort West municipal area reference (GPS coordinates 32°23'48.86"S: 22°42'25.36"E) it will have no impact on surrounding Vodacom towers or its existing / future transmission routes (Microwave) in this area.

Please communicate any future changes or deviations from the original planning to this office since this confirmation remains specific to this request only.

Yours Faithfully

Apeldahung.

Digitally signed by Christina J Geldenhuys Date: 2021.10.01 08:57:44 +02'00'

Christien Geldenhuys

EHOD Operations Vodacom Western Region

Tel: +27872894020



6 October 2021

For attention: The Directors
HOODIA PV (PTY) LTD
101 Block A, West Quay Building,
7 West Quay Road,
Waterfront,
8001

# Impact on Vodacom Towers at Hoodia Solar Farm area (Beaufort West municipal area)

Reference to email received on 30 September 2021. Hoodia Solar Farm - Act 36 of 2005

This is to confirm that Vodacom has no objection to the proposed amended solar structures in Beaufort West municipal area reference (GPS coordinates 32°23′50.42″S: 22°43′31.78″) it will have no impact on surrounding Vodacom towers or its existing / future transmission routes (Microwave) in this area .

Please communicate any future changes or deviations from the original planning to this office since this confirmation remains specific to this request only.

Yours Faithfully

Alledon hung

Digitally signed by Christina J Geldenhuys Date: 2021.10.06 16:21:41 +02'00'

Christien Geldenhuys

EHOD Operations Vodacom Western Region

Tel: +27872894020



Physical Address: Ikhaya Lokundiza Treur Close Waterfall Park Bekker Street Midrand Postal Address: Private Bag X1 Halfway House 1685 Telephone Number: +27 11 545 1232 Fax Number: +27 11 545 1451 E-mail Address: obstacles@caa.co.za Website Address: www.caa.co.za

OBSTACLE A	PROVAL	C	AA Obsta	icle ID	CAA_2	021_9_281	
APPLIC	CANT				OWNER		
Applicant Name Rosenia	Rosenia PV (Pty) Ltd			ame	_td		
Contact Person David P	einke	Contact F	Person	The Directors			
Cell Nr (084) 40	1-9015	Cell Nr		0844019015			
Tel Nr (021) 41	8-2596		Tel Nr	Tel Nr 0214182596			
Email david@	atlanticep.com		Email	Email david@atlanticep.o		com	
VAT Nr 428026	3550						
Address Atlantic	Renewable Energy Pa	artners (Pty)	Application Date		2021/09/30 Rece	eived Date 2021/09/30	
City Cape To	own	JA 139401	Application			red Replacement	
Province Western	Cape		Attachm	ents:	✓ GIS/Google File	□ Survey Report	
Postal Code 8001					☐ Plan/Eng Drawi	ng 🗆 Other	
	118-118-1-1-1						
- 10	A CONTRACTOR OF THE PARTY OF TH	S OF PROP	OSED STR	Name of the Association	Estruction Start Date		
	Structure Power Plant						
Site Name Rosenia	PV	Construction End Date					
Site ID			_		-		
LAT (Degrees) 32	LAT (Minutes)	24 LAT (S	Seconds)	39,19	Jib/Guywire (m)		
LONG (Degrees) 22	LONG (Minutes)	42 LONG	(Seconds)	56,68	Datum	WGS84	
Site Elevation (m)	893 No	otes:		(	Coord Data Source	Handheld GPS (non s	
Substructure Height (m)	0				Other (specify)		
Superstructure Height (m)	5,5			Ele	vation Data Source	Handheld GPS (non s	
Structure Elevation (m)	898,5				Other (Specify)		
APPROVAL STATUS	: CONDITIONALL	Y APPROVI	ED				
	Note: 1. Condition 2. Final app	nal Approval o	only valid for to applicant/o	5 years frowner pro	rom date of signature oviding 'As-Built' dat	e. ta.	
Approval Conditions:	Other/Special Cor	nditions:					
✓ No Markings	S						
☐ Day Markings							
<ul><li>☐ Night Markings</li><li>☐ Day/Night Markings</li></ul>	Т		FOR	THE SA	CAA		
				or warmen	THE A PROBLEM	7	
✓ Other/Special	SOL A NEW AT LITTUE PLATTER AS PROBETS						

2022/07/01

Date .....



Physical Address: Ikhaya Lokundiza Treur Close Waterfall Park Bekker Street Midrand Postal Address: Private Bag X 73 Halfway House 1685 Telephone Number: +27 11 545 1000 Fax Number:

+27 11 545 1465

E-mail Address: mail@caa.co.za Website Address:

Website Address: www.caa.co.za Southern Region Office: PO Box 174 Cape Town International Airport

Tel. Number: +27 21 934 4744 Fax Number: +27 21 934 1326

## Rosenia PV (Pty) Ltd

Atlantic Renewable Energy Partners (Pty Ltd Cape Town Western Cape, 8001

01 July 2022

Attention: The Directors

Enquiries: L Stroh strohl@caa.co.za 083 461 6660

Ref. CA8/2/ Beaufort West CAA\_2021\_9\_281

Conditional Approved: Proposed Rosenia PV, Solar Photovoltaic Power Energy Facility situated near Beaufort West in Western Cape Province.

After evaluating the site position and reviewing the information received 30 September 2021, the SACAA has **no objection** to the proposed Energy Facility subject to a maximum height of 10m above ground level.

Note that overhead electric power lines contingent with this Development require separate approval.

As of the projects proposed combined effect, SACAA reserves the right to request realign (optimum position and or mitigation) or removal, if any Safety concerns are raised towards Glint and Glare.

The above statement is conditional to the developer, providing the SACAA with the "as built" parameters of the facility, which includes the height of the pylon structures conveying power generated by the facility.

This conditional approval is valid for 5 years from the date of this letter.

Note that this SACAA letter of no objection does not substitute or replace other approvals which may be required by the applicant.

Yours truly,

**Lizell Stroh** 

**Obstacle Inspector** 

Aerodrome Infrastructure

**Aviation Infrastructure** 

Tel: +27 11 545 1232 | Mobile: +27 083 461 6660

Email: Strohl@caa.co.za| www.caa.co.za



Physical Address: Ikhaya Lokundiza Treur Close Waterfall Park Bekker Street Midrand

☐ UPS

✓ Other/Special

Postal Address: Private Bag X1 Halfway House 1685 Telephone Number: +27 11 545 1232 Fax Number: +27 11 545 1451 E-mail Address: obstacles@caa.co.za Website Address: www.caa.co.za

OBSTACL	E AP	PROVAL		C	AA Obst	acle II	CAA_2	2021_9_278	
APPLICANT							OWNER		
Applicant Name	Bulskop PV (Pty) Ltd				Owner Name		Bulskop PV (Pty) L	Bulskop PV (Pty) Ltd	
Contact Person	David Pe	inke			Contact	Person	The Directors		
Cell Nr	(084) 401	1-9015			Cell Nr		0844019015		
Tel Nr	(021) 418	3-2596			Tel Nr 0214182596		0214182596		
Email	david@a	tlanticep.com			Email d		david@atlanticep.d	david@atlanticep.com	
VAT Nr	4280268								
Address	Atlantic R	Renewable Energy	/ Partner	s (Pty)	Application Date 2021/09/30 Re			eived Date 2021/09/30	
City	Cape Tov	wn			Applicat	ion Type	e New Sha	ared Replacement	
Province	Western	Саре			Attachn	nents:	e Survey Report		
Postal Code	8001						☐ Plan/Eng Drawi	ing   Other	
		DET.					<b></b>		
Type of Structure	Dower Di	300000000000000000000000000000000000000	AILS OF	PROP	OSED STR		RE estruction Start Date		
Site Name	Bulskop F					Co	onstruction End Date		
Site ID					_			<u></u>	
LAT (Degrees)	32	LAT (Minutes)	24	LAT (S	Seconds)	35,21	Jib/Guywire (m)		
LONG (Degrees)	22	LONG (Minutes)	44	LONG	(Seconds)	1,74	Datum	WGS84	
Site Elevation (m	887 Notes:							Handheld GPS (non s	
Substructure Heigh	Substructure Height (m)		overhead electric power line require separate approval.			es	Other (specify)		
Superstructure H	Superstructure Height (m) 5,5			separate			evation Data Source	Handheld GPS (non s	
Structure Elevation	on (m)	892,5					Other (Specify)		
APPROVAL S	TATUS:	CONDITIONA	LLY AF	PROVE	ED				
							from date of signatur roviding 'As-Built' da		
Approval Condi	tions:	Other/Special (	Conditio	ns:					
✓ No Markings Find letter attached.									
Day Markings									
☐ Night Marking		FUR THE SACAA							
Day/Night Ma	rkings								

Pane 2022/08/12



Physical Address: Ikhaya Lokundiza Treur Close Waterfall Park Bekker Street Midrand Postal Address: Private Bag X 73 Halfway House 1685 Telephone Number: +27 11 545 1000

Fax Number: +27 11 545 1465 E-mail Address: mail@caa.co.za

Website Address:

Southern Region Office: PO Box 174 Cape Town International Airport

Tel. Number: +27 21 934 4744 Fax Number: +27 21 934 1326

### Bulskop PV (Pty) Ltd

Atlantic Renewable Energy Partners (Pty Ltd Cape Town Western Cape, 8001

12 August 2022

Attention: The Directors

Enquiries: L Stroh strohl@caa.co.za 083 461 6660

Ref. CA8/2/ Beaufort West CAA\_2021\_9\_278

Conditional Approved: Proposed Bulskop PV, Solar Photovoltaic Power Energy Facility situated near Beaufort West in Western Cape Province.

After evaluating the site position and reviewing the information received 30 September 2021, the SACAA has **no objection** to the proposed Energy Facility subject to a maximum height of 10m above ground level.

Note that overhead electric power lines contingent with this Development require separate approval.

As of the projects proposed combined effect, SACAA reserves the right to request realign (optimum position and or mitigation) or removal, if any Safety concerns are raised towards Glint and Glare.

The above statement is conditional to the developer, providing the SACAA with the "as built" parameters of the facility, which includes the height of the pylon structures conveying power generated by the facility.

This conditional approval is valid for 5 years from the date of this letter.

Note that this SACAA letter of no objection does not substitute or replace other approvals which may be required by the applicant.

Yours truly,

Lizell Stroh
Obstacle Inspector

Aerodrome Infrastructure

**Aviation Infrastructure** 

Tel: +27 11 545 1232 | Mobile: +27 083 461 6660

Email: Strohl@caa.co.za| www.caa.co.za



Physical Address: Ikhaya Lokundiza Treur Close Waterfall Park Bekker Street Midrand

☐ Day/Night Markings

✓ Other/Special

☐ UPS

Postal Address: Private Bag X1 Halfway House 1685

Telephone Number: +27 11 545 1232 Fax Number: +27 11 545 1451 E-mail Address: obstacles@caa.co.za Website Address: www.caa.co.za

OBSTACI	E AP	PROVAL		CA	A Obst	acle IL	CAA_2	2021_9_279	
	APPLIC	ANT					OWNER		
Applicant Name	Gamka PV (Pty) Ltd				Owner	Name	Gamka PV (Pty) Ltd		
Contact Person	David Peinke				Contact	Person	The Directors		
Cell Nr	(084) 40	1-9015			Cell Nr		0844019015		
Tel Nr	(021) 418	3-2596			Tel Nr		0214182596		
Email	david@a	tlanticep.com			Email		david@atlanticep.com		
VAT Nr	4280268	550							
Address	Atlantic F	Renewable Energy	Partne	rs (Pty)	Applica	Application Date 2021/09/30 Received Date 2021/0			
City	Cape To	Cape Town			Applica	tion Type	✓ New ☐ Shared ☐ Replacement		
Province	Western	Western Cape			Attachi	ments:	✓ GIS/Google File □ Survey Repo		
Postal Code	8001						☐ Plan/Eng Drawing ☐ Other		
Type of Structure Site Name Site ID LAT (Degrees) LONG (Degrees) Site Elevation (m	Gamaka  32  22	ant	23	LAT (Se	econds) Seconds)	Con Coi 617 26,43	struction Start Date Instruction End Date Jib/Guywire (m) Datum Coord Data Source Other (specify)	WGS84	
Superstructure H	767 SS 189	5,5				Ele	ANT UNITED THE	Handheld GPS (non s	
Structure Elevation	5 30 16	900,5					Other (Specify)		
		CONDITIONAL Note: 1. Condi	tional A	pproval or	nly valid for		rom date of signatur oviding 'As-Built' da	e.	
Approval Condi	tions:	Other/Special C		ns:					
✓ No Markings		Find letter attach	ed.						
<ul><li>☐ Day Markings</li><li>☐ Night Marking</li></ul>									





Physical Address: Ikhaya Lokundiza Treur Close Waterfall Park Bekker Street Midrand Postal Address: Private Bag X 73 Halfway House 1685 Telephone Number: +27 11 545 1000 Fax Number: +27 11 545 1465 E-mail Address: mail@caa.co.za

Website Address: www.caa.co.za Southern Region Office: PO Box 174 Cape Town International Airport

Tel. Number: +27 21 934 4744 Fax Number: +27 21 934 1326

## Gamka PV (Pty) Ltd

Atlantic Renewable Energy Partners (Pty) Ltd Block 101 A Waterfront, Cape Town Western Cape, 8001 South Africa.

Enquirles: L Stroh strohl@caa.co.za 083 461 6660

15 June 2022

Ref. CA8/2/ Beaufort West CAA 2021 9 279

Attention: The Directors

Conditional Approved: Proposed Gamaka PV, Solar Photovoltaic Power Energy Facility situated near Beaufort West in Western Cape Province.

After evaluating the site position and reviewing the information received 30 September 2021, the SACAA has **no objection** to the proposed Energy Facility subject to a maximum height of 10m above ground level.

Note that overhead electric power lines contingent with this Development require separate approval.

As of the projects proposed combined effect, SACAA reserves the right to request realign (optimum position and or mitigation) or removal, if any Safety concerns are raised towards Glint and Glare.

The above statement is conditional to the developer, providing the SACAA with the "as built" parameters of the facility, which includes the height of the pylon structures conveying power generated by the facility.

This conditional approval is valid for 5 years from the date of this letter.

Note that this SACAA letter of no objection does not substitute or replace other approvals which may be required by the applicant.

Yours truly,

Lizell Stroh

**Obstacle Inspector** 

Aerodrome Infrastructure

**Aviation Infrastructure** 

Tel: +27 11 545 1232 | Mobile: +27 083 461 6660

Email: Strohl@caa.co.za| www.caa.co.za





Physical Address: Ikhaya Lokundiza Treur Close Waterfall Park Bekker Street Midrand

☐ UPS

✓ Other/Special

Postal Address: Private Bag X1 Halfway House 1685 Telephone Number: +27 11 545 1232 Fax Number: +27 11 545 1451 E-mail Address: obstacles@caa.co.za Website Address: www.caa.co.za

OBSTACL	E AP	PROVAL		CA	A Obsta	acle ID	CAA_2	021_9_280	
	APPLICA	ANT					OWNER		
Applicant Name	Hoodia PV (Pty) Ltd				Owner N	lame	Hoodia PV (Pty) Lt	(Pty) Ltd	
Contact Person	David Pei	nke			Contact	Person	The Directors		
Cell Nr	(084) 401	-9015			Cell Nr		0844019015		
Tel Nr	(021) 418	-2596			Tel Nr	0214182596			
Email	david@at	lanticep.com			Email david@atlanticep		david@atlanticep.c	com	
VAT Nr	42802685								
Address	Atlantic R	enewable Energy	Partner	rs (Pty)	Application Date 2021/09/30 Rec			eived Date 2021/09/30	
City	Cape Tow	Cape Town				ion Type	red  Replacement		
Province	Western (	Western Cape			Attachments:			B Survey Report	
Postal Code	8001				☐ Plan/Eng Dra		☐ Plan/Eng Drawi	ng 🗌 Other	
Type of Structure Site Name Site ID LAT (Degrees) LONG (Degrees) Site Elevation (m	Hoodia PV	LAT (Minutes)	23	LAT (Se	econds)	Con Cor 49,02 22,61	struction Start Date Instruction End Date Jib/Guywire (m) Datum Coord Data Source	WGS84 Handheld GPS (non s	
Substructure Hei	ght (m)	0					Other (specify)		
Superstructure H Structure Elevation		5,5 895,5				Ele	vation Data Source Other (Specify)	Handheld GPS (non s	
APPROVAL S	STATUS:		tional A	pproval or	nly valid for		from date of signatur oviding 'As-Built' da		
Approval Condi	tions: Other/Special Conditions:								
✓ No Markings									
<ul><li>☐ Day Markings</li><li>☐ Night Marking</li><li>☐ Day/Night Ma</li></ul>	S				— FOR	THE SA	CAA		

Name 2022/6/15



Physical Address: Ikhaya Lokundiza Treur Close Waterfall Park Bekker Street Midrand Postal Address: Private Bag X 73 Halfway House 1685 Telephone Number: +27 11 545 1000

Fax Number: +27 11 545 1465 E-mail Address: mail@caa.co.za

Website Address: www.caa.co.za Southern Region Office: PO Box 174 Cape Town International Airport

Tel. Number: +27 21 934 4744 Fax Number: +27 21 934 1326

### Hoodia PV (Pty) Ltd

Atlantic Renewable Energy Partners (Pty Ltd Cape Town Western Cape, 8001

15 June 2022

Attention: The Directors

Enquiries: L Stroh strohl@caa.co.za 083 461 6660

Ref. CA8/2/ Beaufort West CAA\_2021\_9\_280

Conditional Approved: Proposed Hoodia PV, Solar Photovoltaic Power Energy Facility situated near Beaufort West in Western Cape Province.

After evaluating the site position and reviewing the information received 30 September 2021, the SACAA has **no objection** to the proposed Energy Facility subject to a maximum height of 10m above ground level.

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Yours truly,

Lizell Stroh

**Obstacle Inspector** 

Aerodrome Infrastructure

**Aviation Infrastructure** 

Tel: +27 11 545 1232 | Mobile: +27 083 461 6660

Email: Strohl@caa.co.za| www.caa.co.za



1st and 2nd floors, 14 Long Street, Cape Town, 8000 | Private Bag X9163, Cape Town, 8000 | Tel. (021) 409 0300 | Fax. (021) 418 0205

Your Ref: Six Solar PV Facilities

Our Ref:12/1/R

Enquiries: M Johnson

05th April 2022

Hardeveld PV (Pty) Ltd 101 Block A West Quay Building 7 West Quay Road Waterfront 8001

LAND CLAIM ENQUIRIES: FARM NO. 423 BEAUFORT WEST LOCAL MUNICIPALITY, CETRAL KAROO DISTRICT MUNICIPALITY, WESTERN CAPE

Thank you for your letter dated 05th April 2022

We confirm that as at the date of this letter no land claims appear on our database in respect of FARM NO. 423 BEAUFORT WEST LOCAL MUNICIPALITY, CETRAL KAROO DISTRICT MUNICIPALITY, WESTERN CAPE. This includes the database for claims lodged 31 December 1998 and those lodge between 1 July 2014 and 28 July 2016. Whilst the Commission takes reasonable care to ensure the accuracy of the information it provides, there are various factors that may be beyond the Commission's control, particularly relating to claims that have lodged but not yet been gazette.

- Some Claimants referred to properties they claim dispossession of rights in land against using 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 the particular property they claim dispossession of rights in land against.
- The Commission can therefore 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 above property.

If you are aware of any change in the description of the above property after 19 June 1913 kindly supply us with such description as to enable us to do a further search.

Kind Regards

Dr Wayne Alexander



I<sup>st</sup> and 2<sup>nd</sup> floors, 14 Long Street, Cape Town, 8000 | Private Bag X9163, Cape Town, 8000 Tel. (021) 409 0300 | Fax: (021) 418 0205

Your Ref: Six Solar PV Facilities

Our Ref:12/1/R

Fnquiries: M Johnson

05th April 2022

Salsola PV (Pty) Ltd 101 Block A West Quay Building 7 West Quay Road Waterfront 8001

LAND CLAIM ENQUIRIES: FARM NO. 423 BEAUFORT WEST LOCAL MUNICIPALITY, CETRAL KAROO DISTRICT MUNICIPALITY, WESTERN CAPE

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Kind Regards

Dr Wayne Alexander



1st and 2<sup>nd</sup> floors, 14 Long Street, Cape Town, 8000 | Private Bag X9163, Cape Town, 8000 | Tel. (021) 409 0300 | Fax. (021) 418 0205

Your Ref: Six Solar PV Facilities

Our Ref:12/1/R

Enquiries: M Johnson

05th April 2022

Hoodia PV (Pty) Ltd 101 Block A West Quay Building 7 West Quay Road Waterfront 8001

LAND CLAIM ENQUIRIES: FARM NO. 423 BEAUFORT WEST LOCAL MUNICIPALITY, CETRAL KAROO DISTRICT MUNICIPALITY, WESTERN CAPE

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Kind Regards

Dr Wayne Alexander



1st and 2nd floors, 14 Long Street, Cape Town, 8000 | Private Bag X9103, Cape Town, 8000 | Tel (021) 409 0300 | Fax: (021) 418 0205

Your Ref: Six Solar PV Facilities

Our Ref:12/1/R

Enquiries: M Johnson

05th April 2022

Rosenia PV (Pty) Ltd 101 Block A West Quay Building 7 West Quay Road Waterfront 8001

LAND CLAIM ENQUIRIES: FARM NO. 423 BEAUFORT WEST LOCAL MUNICIPALITY, CETRAL KAROO DISTRICT MUNICIPALITY, WESTERN CAPE

Thank you for your letter dated 05th April 2022

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Kind Regards

Dr Wayne Alexander



1st and 2nd floors, 14 Long Street, Cape Town, 8000 | Private Bag X9163, Cape Town, 8000 | Tel. (021) 409 0300 | Fax: (021) 418 0205

Your Ref: Six Solar PV Facilities

Our Ref:12/1/R

Enquiries: M Johnson

05th April 2022

Bulskop PV (Pty) Ltd 101 Block A West Quay Building 7 West Quay Road Waterfront 8001

LAND CLAIM ENQUIRIES: FARM NO. 423 BEAUFORT WEST LOCAL MUNICIPALITY, CETRAL KAROO DISTRICT MUNICIPALITY, WESTERN CAPE

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Kind Regards

Dr Wayne Alexander



#### OFFICE OF THE REGIONAL LAND CLAIMS COMMISSIONER WESTERN CAPE

1<sup>st</sup> and 2<sup>nd</sup> floors, 14 Long Street, Cape Town, 8000 | Private Bag X9163, Cape Town, 8000 | Tel. (021) 409 0300 | Fax: (021) 418 0205

Your Ref: Six Solar PV Facilities

Our Ref:12/1/R

Enquiries: M Johnson

05th April 2022

Atlantic Energy Partners (Pty) Ltd 101 Block A West Quay Building 7 West Quay Road Waterfront 8001

LAND CLAIM ENQUIRIES: FARM NO. 423 BEAUFORT WEST LOCAL MUNICIPALITY, CETRAL KAROO DISTRICT MUNICIPALITY, WESTERN CAPE

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Kind Regards

Dr Wayne Alexander

Chief Director: Restitution Support: RLCC (Western Cape)



### OFFICE OF THE REGIONAL LAND CLAIMS COMMISSIONER. WESTERN CAPE

1st and 2nd floors, 14 Long Street, Cape Town, 8000 | Private Bag X9163, Cape Town, 8000 Tel. (021) 409 0300 | Fax: (021) 418 0205

Your Ref: Six Solar PV Facilities

Our Ref:12/1/R

Enquiries: M Johnson

05th April 2022

Gamka PV (Pty) Ltd 101 Block A West Quay Building 7 West Quay Road Waterfront 8001

LAND CLAIM ENQUIRIES: FARM NO. 423 BEAUFORT WEST LOCAL MUNICIPALITY, CETRAL KAROO DISTRICT MUNICIPALITY, WESTERN CAPE

Thank you for your letter dated 05th April 2022

We confirm that as at the date of this letter no land claims appear on our database in respect of FARM NO. 423 BEAUFORT WEST LOCAL MUNICIPALITY, CETRAL KAROO DISTRICT MUNICIPALITY, WESTERN CAPE. This includes the database for claims lodged 31 December 1998 and those lodge between 1 July 2014 and 28 July 2016. Whilst the Commission takes reasonable care to ensure the accuracy of the information it provides, there are various factors that may be beyond the Commission's control, particularly relating to claims that have lodged but not yet

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- without mentioning the particular property they claim dispossession of rights
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If you are aware of any change in the description of the above property after 19 June 1913 kindly supply us with such description as to enable us to do a further search.

Kind Regan

Wayne Alexander

Chief Director: Restitution Support: RLCC (Western Cape)

#### **Gavin Fourie**

From:

Evan Burger < Evan. Burger@westerncape.gov.za>

Sent:

07 July 2022 05:08 PM

Cc:

Peter Smith, Xander Smuts Anthony De Graaf; David Peinke; Amy Hill; petrus

Subject:

RE: Bulskop Solar PV Development: Access Point off the R61

Now this Branch will in due course receive the application from the Municipality, at which stage this Branch will respond with its comments and (if possible / supported) required approvals.

Upon receipt of the Municipality's approval and compliance to the conditions will the use of the access be legal.

#### Regards | Groete

Evan Burger Control Engineering Technician Department: Transport & Public Works Western Cape Government

3rd Floor, Room 3.36, 9 Dorp Street, Cape Town, 8001

PO Box 2603, Cape Town, 8000

Tel: 021 483 2180 Cell: 083 641 5179 Fax: 021 483 2166

Email: Evan.Burger@westerncape.gov.za Website: www.westerncape.gov.za

Road Network Information System: http://rnis.westerncape.gov.za



Be 110% Green. Read from the screen.

From: Peter Smith <peter@atlanticep.com>

Sent: 07 July 2022 04:36 PM

To: Evan Burger < Evan.Burger@westerncape.gov.za>; Xander Smuts < Xander.Smuts@westerncape.gov.za>

Cc: Anthony De Graaf <anthony@atlanticep.com>; David Peinke <david@atlanticep.com>; Amy Hill

<amy@atlanticep.com>

Subject: RE: Bulskop Solar PV Development: Access Point off the R61

Good Afternoon Mr Burger,

I trust all is well your side.

Please note that we have submitted the land use application for the each of the three solar PV facilities known as Rosenia PV, Hoodia PV and Salsola PV to the Beaufort west Local Municipality for consideration, please follow the we link transfer below to access the three applications.

https://we.tl/t-IsJGTtZNYH

Can you please confirm what process we will need to follow to obtain a letter of no objection from the Western Cape Department of Roads and Public Works for the proposed access point off the R61 at coordinates 32°23'57.37"S 22°40'15.43"E (see attached KMZ) to gain access to the proposed Solar PV development.

#### Kind regards

Peter Smith
Project Manager
Atlantic Renewable Energy Partners (Pty) Ltd



Office: + 27 (21) 418 2596 Mobile +27 82 300 6497 Fax: + 27 (0) 86 611 0882

101, Block A, West Quay Building 7 West Quay Road, Waterfront Cape Town, 8000

Email: peter@atlanticep.com

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From: Evan Burger [mailto:Evan.Burger@westerncape.gov.za]

Sent: Tuesday, 24 May 2022 11:14

To: Peter Smith 
peter@atlanticep.com
; Xander Smuts 
Xander.Smuts@westerncape.gov.za
Co: Anthony De Graaf <anthony@atlanticep.com</pre>
; David Peinke <avid@atlanticep.com</p>
; Amy Hill <amy@atlanticep.com</pre>
; 'dale@cape-eaprac.co.za' <a href="mailto:dale@cape-eaprac.co.za">
Amy@atlanticep.com</a>
; 'dale@cape-eaprac.co.za'

Subject: RE: Bulskop Solar PV Development: Access Point off the R61

Mr Smith

This Branch is a Commenting Authority in terms of the environmental process, which includes this access proposed by JG Afrika.

This Branch only issues its required access approval(s) upon receipt of the land use application, which (usually) follows the Environmental Approval.

Regards | Groete

Evan Burger
Control Engineering Technician
Department: Transport & Public Works
Western Cape Government

3rd Floor, Room 3.36, 9 Dorp Street, Cape Town, 8001

PO Box 2603, Cape Town, 8000

Tel: 021 483 2180 Cell: 083 641 5179 Fax: 021 483 2166

Email: Evan.Burger@westerncape.gov.za
Website: www.westerncape.gov.za

Road Network Information System: http://rnis.westerncape.gov.za



Be 110% Green. Read from the screen.

From: Peter Smith <peter@atlanticep.com>

Sent: 23 May 2022 11:59 AM

To: Xander Smuts <Xander.Smuts@westerncape.gov.za>; Evan Burger <Evan.Burger@westerncape.gov.za>

Cc: Anthony De Graaf <anthony@atlanticep.com>; David Peinke <david@atlanticep.com>; Amy Hill

<amy@atlanticep.com>

Subject: RE: Bulskop Solar PV Development: Access Point off the R61

#### Good Morning Mr Burger,

I am just following up with regards to my email below, have you managed to consider the proposed access to gain access to the proposed Solar PV development we have identified an access point off the R61 at coordinates 32°23'57.37"S 22°40'15.43"E (see attached KMZ).

Can you please confirm what process we will need to follow to obtain a letter of no objection from the Western Cape Department of Roads and Public Works for the proposed access point.

#### Kind regards

Peter Smith
Project Manager
Atlantic Renewable Energy Partners (Pty) Ltd



Office: + 27 (21) 418 2596 Mobile +27 82 300 6497 Fax: + 27 (0) 86 611 0882

101, Block A, West Quay Building 7 West Quay Road, Waterfront Cape Town, 8000

Email: peter@atlanticep.com

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From: Peter Smith

Sent: Thursday, 12 May 2022 14:02

To: Xander Smuts < Xander. Smuts@westerncape.gov.za >; Evan Burger < Evan. Burger@westerncape.gov.za >

Cc: Anthony De Graaf <anthony@atlanticep.com>; David Peinke <david@atlanticep.com>

Subject: RE: Bulskop Solar PV Development: Access Point off the R61

Good Afternoon Mr Burger,

I trust all is well your side.

As per our previous correspondence below, please find the attached Traffic Impact Assessment for the proposed Solar Development prepared by JG Afrika.

The Solar PV developments are currently in 30 day comments period on the Draft Basic Assessment in compliance with the EIA Regulations, 2014. I see yourself and Mr Smuts were included on the stakeholder database for the projects.

In order to gain access to the proposed Solar PV development we have identified an access point off the R61 at coordinates 32°23'57.37"S 22°40'15.43"E (see attached KMZ). Can you please confirm what process we will need to follow to obtain a letter of no objection from the Western Cape Department of Roads and Public Works for the proposed access point.

Please let me know if you have any comments/queries.

Kind regards

Peter Smith
Project Manager
Atlantic Renewable Energy Partners (Pty) Ltd



Office: + 27 (21) 418 2596 Mobile +27 82 300 6497 Fax: + 27 (0) 86 611 0882

101, Block A, West Quay Building 7 West Quay Road, Waterfront Cape Town, 8000

Email: peter@atlanticep.com

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From: Evan Burger [mailto:Evan.Burger@westerncape.gov.za]

Sent: Tuesday, 05 October 2021 22:21

To: Peter Smith peter@atlanticep.com; Xander Smuts Xander.Smuts@westerncape gov za>

Cc: Cornelius Malgas < Cornelius. Malgas 2@westerncape.gov.za >; David Peinke < david@atlanticep.com >, Anthony

De Graaf <anthony@atlanticep.com>; Michael Johnson <michael@atlanticep.com>; Amy Hill <amy@atlanticep.com>

Subject: RE: Bulskop Solar PV Development: Access Point off the R61

Mr Smith, JG Afrika will address all traffic related issues as part of the TIA, including the access(es) to the development. Upon receipt of the correspondences, which will include the TIA, will this Branch peruse the information and respond accordingly.

#### Regards | Groete

#### **Evan Burger**

Road Network Management Department: Transport & Public Works Western Cape Government

Room 3.36 9 Dorp Street CAPE TOWN 8001

PO Box 2603 CAPE TOWN 8000

Tel: 021 483 2180 Cell: 083 641 5179 Fax: 021 483 2166

E-mail: Evan.Burger@westerncape.gov.za
Website: www.westerncape.gov.za

Road Network Information System: http://rnis.westerncape.gov.za

Be 110% Green. Read from the screen.





From: Peter Smith peter@atlanticep.com>

Sent: 05 October 2021 08:53 PM

To: Xander Smuts <Xander.Smuts@westerncape.gov.za>

Cc: Cornelius Malgas < Cornelius Malgas 2@westerncape.gov.za >; Fvan Burger < Fvan Burger@westerncape.gov.za >;

David Peinke <david@atlanticep.com>; Anthony De Graaf <anthony@atlanticep.com>; Michael Johnson

<michael@atlanticep.com>; Amy Hill <amy@atlanticep.com>

Subject: Bulskop Solar PV Development: Access Point off the R61

Good Evening Mr Smuts,

Atlantic Renewable Energy Partners are in the process of developing a Solar PV Cluster approximately 13.5km South East of Beaufort West in the Western Cape Province.

The project is currently in the in the Basic Assessment in compliance with the EIA Regulations, 2014.

In order to gain access to the proposed Solar PV development we have identified an access point off the R61 at coordinates 32°23'57.37"S 22°40'15.43"E (see attached KMZ). Can you please confirm what process we will need to follow to obtain a letter of no objection from the Western Cape Department of Roads and Public Works for the proposed access point.

We have also appointed JG Afrika to conduct the Traffic Impact Assessment for the proposed Solar Development.

Your assistance on this matter will be greatly appreciated.

#### Kind regards

Peter Smith
Project Manager
Atlantic Renewable Energy Partners (Pty) Ltd



Office: + 27 (21) 418 2596 Mobile +27 82 300 6497 Fax: + 27 (0) 86 611 0882

101, Block A, West Quay Building 7 West Quay Road, Waterfront Cape Town, 8000

Fmail: peter@atlanticep.com

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#### **Gavin Fourie**

From:

Evan Burger < Evan.Burger@westerncape.gov.za>

Sent:

09 May 2022 11:14 AM

To:

Tashreea Jaffar: Vanessa Stoffels

Subject:

\*EXTERNAL\* RE: RE: Farm Nr 423 - Beaufort-Wes

Attachments:

2022 05 09\_101858.pdf

Follow Up Flag:

Follow up

Flag Status:

Flagged

\*\*This email is from an external sender. Be very careful when opening any attachments or clicking on any links\*\*

#### Morning Tashreeq

Grace Swanepoel retired at the end of last month.

Farm 423 borders onto Proclaimed Provincial Trunk Road 35 section 1, for which this Branch is the Road Authority, for approximately 4km; and it is likely that more than 1 access off that road already exists. This Branch in terms of its Access Management Guidelines, 2020 will approve more than one access to be created, provided that spacing between accesses will not be less than approximately 500m and provided that all this Branch's safe access standards can be met. The restrictive Title Deed condition is considered to be unnecessary as no access may be created off any provincial road without the approval of this Branch in terms of the Roads Ordinance 19 of 1976. If no new Title Deed will be created then it will be an unnecessary expense for your client to have it removed. Information of the electricity generation has already been received - the traffic study included. This Branch will consult with that appointed professional traffic engineer and issue the required approvals if / once possible.

Vanessa, please print this formal response, load onto Land against Job 29415 Request 1 and mark as complete.

#### Regards | Groete

Evan Burger
Control Engineering Technician
Department: Transport & Public Works
Western Cape Government

3rd Floor, Room 3.36, 9 Dorp Street, Cape Town, 8001

PO Box 2603, Cape Town, 8000

Tel: 021 483 2180 Cell: 083 641 5179 Fox: 021 483 2166

Email: Evan.Burger@westerncape.gov.za Website: www.westerncape.gov.za

Road Network Information System: http://rnis.westerncape.gov.za



From: Tashreeq Jaffar <tashreeqj@stbb.co.za>

Sent: 06 May 2022 05:31 PM

To: Evan Burger < Evan. Burger@westerncape.gov.za>

Subject: RE: RE: Farm Nr 423 - Beaufort-Wes

Importance: High

HI Evan

The email below has bounced.

Can you please advise herein?

Kind regards

Tashreeq Jaffar Senior Associate

T: +27 (0) 21 673 4730

F: +27 (0) 21 673 4701

E: tashreeqj@stbb.co.za

2nd Floor, Buchanan's Chambers, Cnr Warwick Street & Pearce Road, Claremont PO Box 23355, Claremont, 7735

VAT No: 4670133877 Reg. No: 1992/003316/21

www.stbb.co.za

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Big Small

How do you feel about our service?

This email is subject to the electronic communication legal disclaimer of STBB available here.

From: Tashreeq Jaffar Sent: 06 May 2022 17:20

To: 'Grace Swanepoel' < Grace. Swanepoel@westerncape.gov.za >

Cc: Evan Burger < Evan.Burger@westerncape.gov.za >

Subject: RE: RE: Farm Nr 423 - Beaufort-Wes

Good Day Grace

We trust you are keeping well.

This matter came up on my diary. Is there any update we can report to client?

Kind regards

From: Grace Swanepoel < Grace. Swanepoel@westerncape.gov.za >

Sent: 11 April 2022 12:19

To: Tashreeq Jaffar <tashreeqj@stbb.co.za>

Cc: Evan Burger < <a href="mailto:Evan.Burger@westerncape.gov.za">Evan.Burger@westerncape.gov.za</a> Subject: \*EXTERNAL\* RE: RE: Farm Nr 423 - Beaufort-Wes

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Good morning

Received your application, our reference Job 29415. The matter is receiving attention & a further communication will be addressed to you as soon as circumstances permit. Please note that all applications are handled on a 1<sup>st</sup> in 1<sup>st</sup> out basis.

#### Regards

#### Grace

From: Tashreeq Jaffar < tashreeqi@stbb.co.za > Sent: Monday, April 11, 2022 11:18 AM

To: Grace Swanepoel < Grace. Swanepoel@westerncape.gov.za>

Subject: RE. RE. Farm Nr 423 - Beaufort-Wes

#### Good Day Grace

We trust you are keeping well.

Is there any possible update herein?

Kind regards

#### Tashreeq Jaffar Senior Associate

T: +27 (0) 21 673 4730

F: +27 (0) 21 673 4701 E: tashreeqj@stbb.co.za 2nd Floor, Buchanan's Chambers, Cnr Warwick Street & Pearce Road, Claremont PO Box 23355, Claremont, 7735 STBB The Big Small Firm

VAT No: 4670133877 Reg. No: 1992/003316/21

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How do you feel about our service?

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From: Grace Swanepoel < Grace. Swanepoel@westerncape.gov.za>

Sent: 24 March 2022 13:31

To: Tashreeq Jaffar < tashreeqi@stbb.co.za>

Subject: \*EXTERNAL\* RE: RE: Farm Nr 423 - Beaufort-Wes

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#### Good afternoon

Many thanks for the info.

Regards

Grace

From: Tashreeq Jaffar < tashreeqi@stbb.co.za > Sent: Thursday, March 24, 2022 1:22 PM

To: Grace Swanepoel < Grace. Swanepoel@westerncape.gov.za>

Cc: Lauren Haupt <<u>LaurenH@stbb.co.za</u>>
Subject: RE: RE: Farm Nr 423 - Beaufort-Wes

#### Good Day Grace

For clarity.

<u>Portion 6</u> (a Portion of Portion 4) of HANS RIVIER No. 169, Beaufort-Wes was subdivided from Portion 4 of HANS RIVIER No. 169 under Deed of Transfer No.39606/2000 and immediacy consolidated under T39607/2000 with Remainder Farm Buls Kop No. 163, Beaufort Wes to form the current Farm 423.

Kind regards

Tashreeq Jaffar Senior Associate

STBB Big Small

T: +27 (0) 21 673 4730 F: +27 (0) 21 673 4701 E: tashreeqj@stbb.co.za 2nd Floor, Buchanan's Chambers, Cnr Warwick Street & Pearce Road, Claremont PO Box 23355, Claremont, 7735 VAT No: 4670133877 Reg. No: 1992/003316/21

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How do you feel about our service?

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From: Lauren Haupt < Lauren H@stbb.co.za>

Sent: 24 March 2022 09:21

To: 'Grace.Swanepoel@westerncape.gov.za' < Grace.Swanepoel@westerncape.gov.za >

Cc: Tashreeq Jaffar < tashreeqj@stbb.co.za > Subject: RE: RE: Farm Nr 423 - Beaufort-Wes

Good morning Grace,

The consolidated Farm is Farm No. 423 Beaufort-Wes, consisting of:

- Portion 6 (a portion of portion 4) of HANS RIVIER No. 169, Beaufort-Wes
- Remainder of Farm Buls Kop No. 163, Beaufort Wes

Kind regards,

From: Grace Swanepoel < Grace. Swanepoel@westerncape.gov.za>

**Date:** 2022/03/24 08:43 Africa/Johannesburg **To:** Tashreeq Jaffar <<u>tashreeqj@stbb.co.za</u>> **Subject:** RE: Farm Nr 423 - Beaufort-Wes

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Good morning

Do you know the farm number that was subdivided.

Regards

Grace

From: Tashreeq Jaffar < tashreeqi@stbb.co.za > Sent: Wednesday, March 23, 2022 5:51 PM

To: Grace Swanepoel < Grace Swanepoel@westerncape.gov.za>

Subject: Farm Nr 423 - Beaufort-Wes



#### Good Day Grace

Please find attached letter for consideration. I am not 100% sure if this guery should come to your office.

Our clients are in the process of establishing a solar farm and are looking to create an additional access point on the R61.

There is a title condition that restricting the creation additional access without consent.

Can our client obtain consent or authorization for the removal of the condition from your office?

Kinds regards

#### Tashreeq Jaffar Senior Associate

T: +27 (0) 21 673 4730

F: +27 (0) 21 673 4701

E: tashreeqj@stbb.co.za

2nd Floor, Buchanan's Chambers, Cnr Warwick Street & Pearce Road, Claremont PO Box 23355, Claremont, 7735 STBB The Big Small Firm

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Rosenia PV (Pty) Ltd

101 Block A, West Quay Building

7 West Quay Road, Waterfront, Cape Town, South Africa

COMPANY REGISTRATION NO.: 2021 / 900109 / 07

04 May 2022

ATTENTION: Miss Amy Hill

RE: POWER OF ATTORNEY FOR THE ROSENIA PV WATER USE AUTHORISATION APPLICATION

To whom it may concern

I hereby grant authority to Miss Amy Hill of Atlantic Renewable Energy Partners (Pty) Ltd ("AEP") to act on behalf of Rosenia PV (Pty) Ltd ("the Applicant") on all matters relating to the Water Use Authorisation (WUA) process required for the proposed Rosenia PV facility and associated infrastructure located on the Remaining Extent (Portion 0) of Farm 423 approximately 12 km south-east of Beaufort West in the Western Cape Province.

AEP is hereby authorised by the Applicant, to act as their authorised agent in respect of the above mentioned WUA application.

Yours sincerely,

Mr David Peinke

Director: Rosenia PV (Pty) Ltd

Mr Anthony de Graaf

Director: Rosenia PV (Pty) Ltd

### **ANNEXURE K:**

# SERVICE LETTERS FROM THE MUNICIPALITY

Hoodia PV (Pty) Ltd 2021/860718/07 07 West Quay Road 1st Floor Block 101-A Waterfront Cape Town 8001

05 May 2022

Attention: Mr Wright

Beaufort West I ocal Municipality Technical Services Department I I2 Donkln Street, Beaufort West 6970

Dear Mr Wright

## RE: REQUEST FOR CONFIRMATION OF WATER AVAILABILITY FOR THE CONSTRUCTION AND OPERATION OF A SOLAR ENERGY FACILITY LOCATED NEAR BEAUFORT WEST, WESTERN CAPE PROVINCE

The Hoodia PV project (including associated grid connection) of 240 MW contracted capacity, is proposed to be developed on the Remaining Extent of the Farm 423, approximately 12 km South East of Beaufort West in the Western Cape (see Annexure A - Locality Map). The Project is to be developed as a standalone project by **Hoodia PV (Pty) Ltd** (the "Project Company"), a special purpose vehicle ("SPV") established for the sole purpose of developing, owning and operating the Facility.

The Project Company intends to bid the Project in response to the Department of Mineral Resources and Energy's (DMRE) request for qualification and proposals (the "RFP") for Bid Window 6 of the Renewable Energy Independent Power Producer Procurement Programme (REIPPPP). It is a requirement of the REIPPPP RFP that the Project Company submits a letter from the relevant services provider confirming water availability for the Project.

This letter therefore constitutes a request to the Beaufort West Local Municipality to provide Hoodia PV (Pty) Ltd with a non-binding confirmation letter confirming capacity to supply the necessary municipal services (in this case bulk and potable water) to the Project.

The confirmation letter will be non-binding. Should the Hoodia PV (Pty) Ltd be selected as a preferred bidder in the REIPPPP, the Applicant will contact the Beaufort West Local Municipality at that stage to enter into a formal service level agreement for the provision of services.

To this end Hoodia PV would like to request that the non-binding letter confirm:

- a) Water Supply Capacity:
  - 34 100 m<sup>3</sup> in total over the 18 month construction period:
    - o 13 500 m<sup>3</sup> potable water for sanitation;
    - o 5 000 m<sup>3</sup> potable water for construction (concrete); and
    - 15 600 m<sup>3</sup> non potable OR recycled water for construction (other roads, dust suppression, terrain irrigation etc.).
  - 9 560 m³ per annum for the 20 year operational lifespan of the facility:
    - 900 m³ potable water for sanitation;
    - o 8 107 m<sup>3</sup> potable water for module cleaning; and
    - 553 m³ non potable OR recycled water for road maintenance, dust suppression etc.

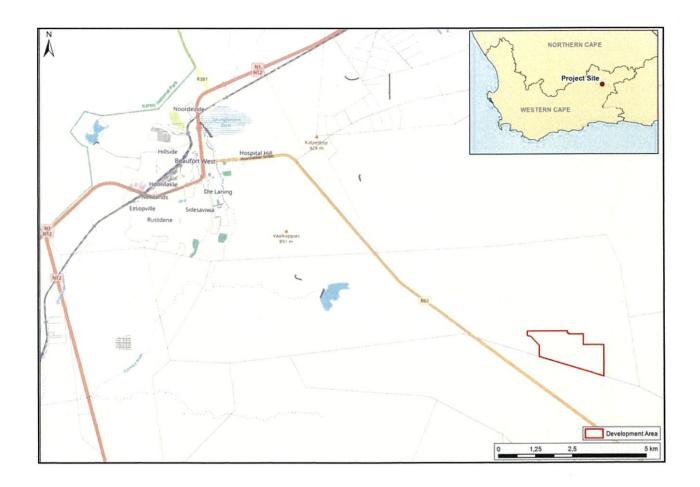
E

Peter Smith

For and on behalf of Hoodia PV (Pty) Ltd

Annexure A – Locality Map.

Annexure A Locality Map





Rosenia PV (Pty) Ltd 2021/900109/07 07 West Quay Road 1st Floor Block 101-A Waterfront Cape Town 8001

05 May 2022

Attention: Mr Wright

Beaufort West Local Municipality Technical Services Department 112 Donkin Street, Beaufort West 6970

Dear Mr Wright

## RE: REQUEST FOR CONFIRMATION OF WATER AVAILABILITY FOR THE CONSTRUCTION AND OPERATION OF A SOLAR ENERGY FACILITY LOCATED NEAR BEAUFORT WEST, WESTERN CAPE PROVINCE

The Rosenia PV project (including associated grid connection) of 240 MW contracted capacity, is proposed to be developed on the Remaining Extent of the Farm 423, approximately 12 km South East of Beaufort West in the Western Cape (see Annexure A - Locality Map). The Project is to be developed as a stand-alone project by Rosenia PV (Pty) Ltd (the "Project Company"), a special purpose vehicle ("SPV") established for the sole purpose of developing, owning and operating the Facility.

The Project Company intends to bid the Project in response to the Department of Mineral Resources and Energy's (DMRE) request for qualification and proposals (the "RFP") for Bid Window 6 of the Renewable Energy Independent Power Producer Procurement Programme (REIPPPP). It is a requirement of the REIPPPP RFP that the Project Company submits a letter from the relevant services provider confirming water availability for the Project.

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The confirmation letter will be non-binding. Should the Rosenia PV (Pty) Ltd be selected as a preferred bidder in the REIPPPP, the Applicant will contact the Beaufort West Local Municipality at that stage to enter into a formal service level agreement for the provision of services.

To this end Rosenia PV would like to request that the non-binding letter confirm:

- a) Water Supply Capacity:
  - 34 100 m<sup>3</sup> in total over the 18 month construction period:
    - 13 500 m³ potable water for sanitation;
    - o 5 000 m<sup>3</sup> potable water for construction (concrete); and
    - 15 600 m³ non potable OR recycled water for construction (other roads, dust suppression, terrain irrigation etc.).
  - 9 560 m³ per annum for the 20 year operational lifespan of the facility:
    - 900 m³ potable water for sanitation;
    - o 8 107 m<sup>3</sup> potable water for module cleaning; and
    - 553 m<sup>3</sup> non potable OR recycled water for road maintenance, dust suppression etc.

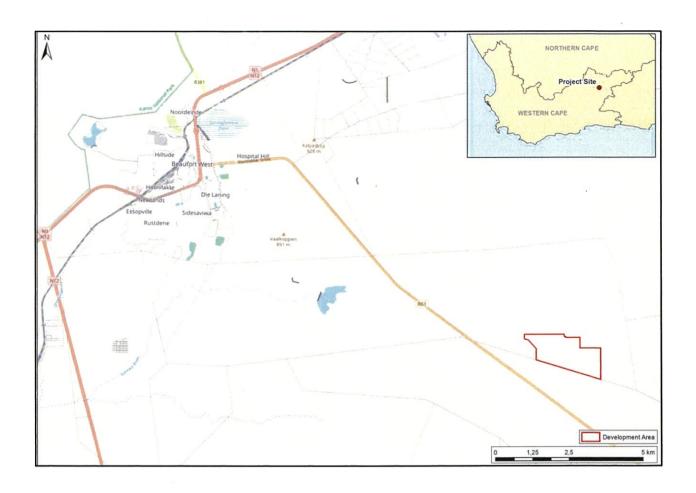
Be)

Peter Smith

For and on behalf of Rosenia PV (Pty) Ltd

Annexure A – Locality Map

Annexure A Locality Map



Salsola PV (Pty) Ltd 2021/900109/07 07 West Quay Road 1st Floor Block 101-A Waterfront Cape Town 8001

05 May 2022

Attention: Mr Wright

Beaufort West Local Municipality Technical Services Department 112 Donkin Street, Beaufort West 6970

Dear Mr Wright

## RE: REQUEST FOR CONFIRMATION OF WATER AVAILABILITY FOR THE CONSTRUCTION AND OPERATION OF A SOLAR ENERGY FACILITY LOCATED NEAR BEAUFORT WEST, WESTERN CAPE PROVINCE

The Salsola PV project (including associated grid connection) of 240 MW contracted capacity, is proposed to be developed on the Remaining Extent of the Farm 423, approximately 12 km South East of Beaufort West in the Western Cape (see Annexure A - Locality Map). The Project is to be developed as a standalone project by Salsola PV (Pty) Ltd (the "Project Company"), a special purpose vehicle ("SPV") established for the sole purpose of developing, owning and operating the Facility.

The Project Company intends to bid the Project in response to the Department of Mineral Resources and Energy's (DMRE) request for qualification and proposals (the "RFP") for Bid Window 6 of the Renewable Energy Independent Power Producer Procurement Programme (REIPPPP). It is a requirement of the REIPPPP RFP that the Project Company submits a letter from the relevant services provider confirming water availability for the Project.

This letter therefore constitutes a request to the Beaufort West Local Municipality to provide Salsola PV (Pty) Ltd with a non-binding confirmation letter confirming capacity to supply the necessary municipal services (in this case bulk and potable water) to the Project.

The confirmation letter will be non-binding. Should the Salsola PV (Pty) Ltd be selected as a preferred bidder in the REIPPPP, the Applicant will contact the Beaufort West Local Municipality at that stage to enter into a formal service level agreement for the provision of services.

To this end Salsola PV would like to request that the non-binding letter confirm:

- a) Water Supply Capacity.
  - **34 100 m³** in total over the 18 month construction period:
    - o 13 500 m<sup>3</sup> potable water for sanitation;
    - o 5 000 m<sup>3</sup> potable water for construction (concrete); and
    - 15 600 m³ non potable OR recycled water for construction (other roads, dust suppression, terrain irrigation etc.).
  - 9 560 m³ per annum for the 20 year operational lifespan of the facility:
    - 900 m<sup>3</sup> potable water for sanitation;
    - o 8 107 m<sup>3</sup> potable water for module cleaning; and
    - 553 m³ non potable OR recycled water for road maintenance, dust suppression etc.

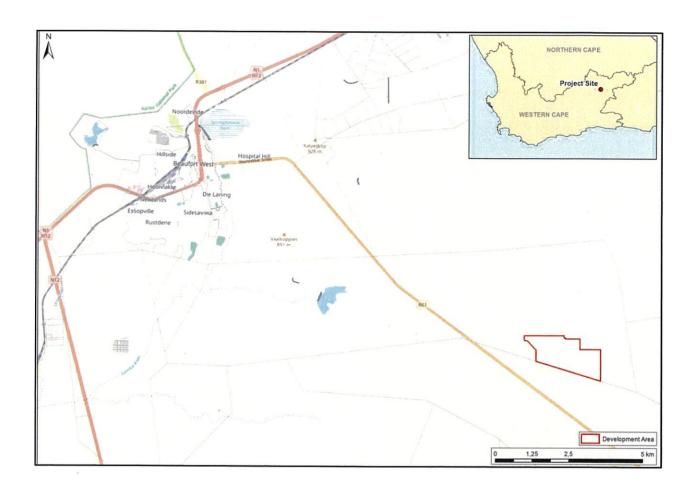
E)

Peter Smith

For and on behalf of Salsola PV (Pty) Ltd

Annexure A – Locality Map

Annexure A Locality Map





#### **Amy Hill**

From:

Ewulaas\_Do\_Not\_Reply@dws.gov.za

Sent:

09 May 2022 11:53

To:

Amy Hill

Subject:

Pre-Application Water Use Enquiry has been submitted to the department

(WU24802)

**Attachments:** 

ATT00001.bin

Follow Up Flag:

Follow up

Flag Status:

Flagged

Dear Ms Amy Hill (Cape Town),

A request for consultation for the following Pre-Application Water Use Enquiry has been submitted to the department:

Rosenia PV Facility Access Road (WU24802)

Your request for consultation was submitted to:

Name: Mr C. Abrahams (WUL Manager/WUAAAC Chairperson)

e-Mail: cabrahams@bgcma.co.za

Tel: 0233468031

Click Here to access the Application

Kind Regards,

e-WULAAS on Behalf of Department of Water and Sanitation

Private Bag X313, Pretoria, 0001

Sedibeng Building, 185 Francis Baard Street, Pretoria, 0001

Tel: (012) 336 7500 Fax: (012) 323-4472 Website: www.dws.gov.za

Email: E-WULAASCalls@dws.gov.za





#### In e-WULAAS Notifications

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#### MUNISIPALITEIT - MUNICIPALITY / UMASIPALA-WASE BEAUFORT-WES / BEAUFORT WEST / BHOBHOFOLO

Departement van die Direkteur: Ingenieursdienste Department of the Director: Engineering Services Isebe Lomphathi Owongameleyo: Kwicandelo Lezenjineli

E- pos / E- mail: manager.techservice@beaufortwestmun.co.za

Reference Verwysing

Isalathiso

12/3/2

Private Bag 582 Faks / Fax 086 2410

Tel 023-414 8102

Navrae

C.B.Wright

Enquirles Imibuzo

Datum

Date Umhla

24 May 2022

BEAUFORT WEST

BEAUFORT WES **BHOBHOFOLO** 

6970

Attention: The Directors Rosenia PV (Pty) Ltd 07 West Quay Road 1st Floor Block 101-A Waterfront Cape Town 8001

Dear Sir,

RE: CONFIRMATION OF SERVICES AVAILABILITY FOR THE CONSTRUCTION AND OPERATION OF A SOLAR ENERGY FACILITY LOCATED NEAR BEAUFORT WEST, WESTERN CAPE PROVINCE

Your letter dated 05 May 2022 has reference.

The Municipality can confirm the provision of services as requested in the abovementioned letter, however this confirmation is non-binding and will have to follow the connection application process as well as comply with Municipal policies and by-laws at time of application.

The Municipality confirms that the following services are available for the Rosenia Solar PV Facility:

#### Treatment of Sewage a)

- The project company will contract a registered sewage service provider to store and collect the sewage from site and dispose of it at the Beaufort West Municipal sewage treatment facility.
- The municipality can confirm that the Beaufort West sewage treatment facility located at 32°20'52.57"S 22°34'27.18"E is a licenced facility and has the capacity to accommodate the volumes of sewage listed below:

- Construction Phase (18 months): approximately 12 150 m³
- Operational Phase: approximately 810 m³ per year.

Please do not hesitate to contact us if any additional information is needed.

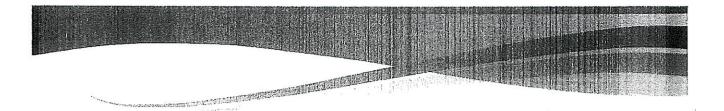
Yours faithfully.

D.C VAN TURHA

DIRECTOR: INFRASTRUCTURE SERVICES

/mg

X:\INGENIEURS\12\_Dorpsbeplanning en Beheer\12-3\_Dorpsaanlegskema\12-3-2 Vergunningsgebruik\_Afwykings\2022\05.Mei 2022\05.Mei 2



This is to certify that

### **Beaufort West WWTW**

Owned By

## Beaufort West Local Municipality Western Cape

has been registered in terms of section 26 of the National Water Act (Act No. 36 of 1998) as as

### Class C

for the operation of water care works used for the purification, treatment or disposal of effluent.

2021-09-03

Date of Issue



This certificate is issued without alteration or erasure of any kind





#### MUNISIPALITEIT - MUNICIPALITY / UMASIPALA-WASE BEAUFORT-WES / BEAUFORT WEST / BHOBHOFOLO

Departement van die Direkteur: Ingenieursdienste Department of the Director: Engineering Services Isebe Lomphathi Owongameleyo: Kwicandelo Lezenjineli

Reference Verwysing

Isalathiso

12/3/2

Private Bag 582 Faks / Fax 086 2410

Tel 023-414 8102

Navrae

E- pos / E- mail: manager.techservice@beaufortwestmun.co.za

Enquiries

C.B.Wright

lmibuzo

Datum

Date Umhla 24 May 2022

BEAUFORT WEST **BEAUFORT WES** BHOBHOFOLO

6970

Attention: The Directors Salsola PV (Pty) Ltd 07 West Quay Road 1st Floor Block 101-A Waterfront Cape Town 8001

Dear Sir,

RE: CONFIRMATION OF SERVICES AVAILABILITY FOR THE CONSTRUCTION AND OPERATION OF A SOLAR ENERGY FACILITY LOCATED NEAR BEAUFORT WEST, WESTERN CAPE PROVINCE

Your letter dated 05 May 2022 has reference.

The Municipality can confirm the provision of services as requested in the abovementioned letter, however this confirmation is non-binding and will have to follow the connection application process as well as comply with Municipal policies and by-laws at time of application.

The Municipality confirms that the following services are available for the Salsola Solar PV Facility:

#### a) Treatment of Sewage

- The project company will contract a registered sewage service provider to store and collect the sewage from site and dispose of it at the Beaufort West Municipal sewage treatment facility.
- The municipality can confirm that the Beaufort West sewage treatment facility located at 32°20'52.57"S 22°34'27.18"E is a licenced facility and has the capacity to accommodate the volumes of sewage listed below:

- Construction Phase (18 months): approximately 12 150 m³
- Operational Phase: approximately 810 m³ per year.

Please do not hesitate to contact us if any additional information is needed.

Yours faithfully.

D. CYAN TURHA

DIRECTOR: INFRASTRUCTURE SERVICES

/mg

X:\INGENIEURS\12\_Dorpsbeplanning en Beheer\12-3\_Dorpsaanlegskema\12-3-2 Vergunningsgebruik\_Afwykings\2022\05.Mei 2022\05.Mei 2022\05.Re. Salsola PV .Confirmation of Services Availability.Construction and Operation of a Solar Energy Facility located near B-West.mg.doc



This is to certify that

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Owned By

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has been registered in terms of section 26 of the National Water Act (Act No. 36 of 1998) as as

### Class C

for the operation of water care works used for the purification, treatment or disposal of effluent.

2021-09-03

Date of Issue





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Departement van die Direkteur: Ingenieursdienste Department of the Director: Engineering Services Isebe Lomphathi Owongameleyo: Kwicandelo Lezenjineli

Reference Verwysing

Isalathiso

12/3/2

Private Bag 582 Faks / Fax 086 2410

Tel 023-414 8102

Navrae

E- pos / E- mail : manager.techservice@beaufortwestmun.co.za

Enquiries

Imibuzo

C.B.Wright

Datum

Date Umbla 24 May 2022

**BEAUFORT WEST BEAUFORT WES BHOBHOFOLO** 

6970

Attention: The Directors Bulskop PV (Pty) Ltd 07 West Quay Road 1st Floor Block 101-A Waterfront Cape Town 8001

Dear Sir,

RE: CONFIRMATION OF SERVICES AVAILABILITY FOR THE CONSTRUCTION AND OPERATION OF A SOLAR ENERGY FACILITY LOCATED NEAR BEAUFORT WEST, WESTERN CAPE PROVINCE

Your letter dated 05 May 2022 has reference.

The Municipality can confirm the provision of services as requested in the abovementioned letter, however this confirmation is non-binding and will have to follow the connection application process as well as comply with Municipal policies and by-laws at time of application.

The Municipality confirms that the following services are available for the Bulskop Solar PV Facility:

### **Treatment of Sewage** a)

- The project company will contract a registered sewage service provider to store and collect the sewage from site and dispose of it at the Beaufort West Municipal sewage treatment facility.
- The municipality can confirm that the Beaufort West sewage treatment facility located at 32°20'52.57"S 22°34'27.18"E is a licenced facility and has the capacity to accommodate the volumes of sewage listed below:

- Construction Phase (18 months): approximately 12 150 m³
- > Operational Phase: approximately 810 m³ per year.

Please do not hesitate to contact us if any additional information is needed.

Yours faithfully.

D.C VAN TURHA

DIRECTOR: INFRASTRUCTURE SERVICES

/mg

X:\INGENIEURS\12\_Dorpsbeplanning en Beheer\12-3\_Dorpsaanlegskema\12-3-2 Vergunningsgebrulk\_Afwykings\2022\05.Mei 2022\Re. Bulskop PV .Confirmation of Services Availability for the Construction and Operation of a Solar Energy Facility located near B-West.doc



This is to certify that

# **Beaufort West WWTW**

Owned By

# Beaufort West Local Municipality Western Cape

has been registered in terms of section 26 of the National Water Act (Act No. 36 of 1998) as as

## Class C

for the operation of water care works used for the purification, treatment or disposal of effluent.

2021-09-03

Date of Issue





### MUNISIPALITEIT - MUNICIPALITY / UMASIPALA-WASE BEAUFORT-WES / BEAUFORT WEST / BHOBHOFOLO

Departement van die Direkteur: Ingenieursdienste Department of the Director: Engineering Services Isebe Lomphathi Owongameleyo: Kwicandelo Lezenjineli

**Reference** 

Verwysing Isalathiso

12/3/2

Private Bag 582 Faks / Fax 086 2410

Tel 023-414 8102

**BEALIFORT WEST** 

BEAUFORT WES

Navrae

E- pos / E- mail: manager.techservice@beaufortwestmun.co.za

Enquiries

Imibuzo

C.B.Wright

Datum

Date Umhla 24 May 2022

**BHOBHOFOLO** 

6970

Attention: The Directors Gamka PV (Ptv) Ltd 07 West Quay Road 1st Floor Block 101-A Waterfront Cape Town 8001

Dear Sir,

RE: CONFIRMATION OF SERVICES AVAILABILITY FOR THE CONSTRUCTION AND OPERATION OF A SOLAR ENERGY FACILITY LOCATED NEAR BEAUFORT WEST, WESTERN CAPE PROVINCE

Your letter dated 05 May 2022 has reference.

The Municipality can confirm the provision of services as requested in the abovementioned letter, however this confirmation is non-binding and will have to follow the connection application process as well as comply with Municipal policies and by-laws at time of application.

The Municipality confirms that the following services are available for the Gamka Solar PV Facility:

### a) **Treatment of Sewage**

- The project company will contract a registered sewage service provider to store and collect the sewage from site and dispose of it at the Beaufort West Municipal sewage treatment facility.
- The municipality can confirm that the Beaufort West sewage treatment facility located at 32°20'52.57"S 22°34'27.18"E is a licenced facility and has the capacity to accommodate the volumes of sewage listed below:

- Construction Phase (18 months): approximately 12 150 m³
- Operational Phase: approximately 810 m³ per year.

Please do not hesitate to contact us if any additional information is needed.

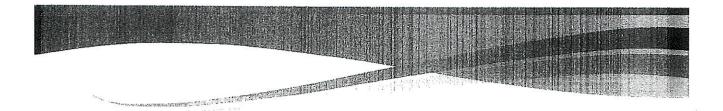
Yours faithfully.

D.C VAN TURHA

DIRECTOR: INFRASTRUCTURE SERVICES

/ma

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This is to certify that

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Owned By

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has been registered in terms of section 26 of the National Water Act (Act No. 36 of 1998) as as

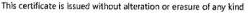
# Class C

for the operation of water care works used for the purification, treatment or disposal of effluent.

2021-09-03

Date of Issue









# MUNISIPALITEIT - MUNICIPALITY / UMASIPALA-WASE BEAUFORT-WES / BEAUFORT WEST / BHOBHOFOLO

Department van die Direkteur: Ingenieursdienste Department of the Director: Engineering Services Isebe Lomphathi Owongameleyo: Kwicandelo Lezenjineli

Reference Verwysing

Isalathiso

12/3/2

Private Bag 582 Faks / Fax 086 2410 Tel 023-414 8102

1210

E

E- pos / E- mail : manager.techservice@beaufortwestmun.co.za

Navrae Enquiries Imibuzo

C.B.Wright

BEAUFORT WEST BEAUFORT WES BHOBHOFOLO

Datum

Date Umbla 24 May 2022

6970

Attention: The Directors
Hardeveld PV (Pty) Ltd
07 West Quay Road
1st Floor Block 101-A
Waterfront
Cape Town

8001

Dear Sir,

RE: CONFIRMATION OF SERVICES AVAILABILITY FOR THE CONSTRUCTION AND OPERATION OF A SOLAR ENERGY FACILITY LOCATED NEAR BEAUFORT WEST, WESTERN CAPE PROVINCE

Your letter dated 05 May 2022 has reference.

The Municipality can confirm the provision of services as requested in the abovementioned letter, however this confirmation is non-binding and will have to follow the connection application process as well as comply with Municipal policies and by-laws at time of application.

The Municipality confirms that the following services are available for the Hardeveld Solar PV Facility:

### a) Treatment of Sewage

- The project company will contract a registered sewage service provider to store and collect the sewage from site and dispose of it at the Beaufort West Municipal sewage treatment facility.
- The municipality can confirm that the Beaufort West sewage treatment facility located at 32°20'52.57"S 22°34'27.18"E is a licenced facility and has the capacity to accommodate the volumes of sewage listed below:

- ➤ Construction Phase (18 months): approximately 12 150 m³
- Operational Phase: approximately 810 m³ per year.

Please do not hesitate to contact us if any additional information is needed.

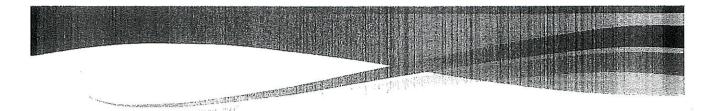
Yours faithfully.

D'C VAN TURHA

DIRECTOR: INFRASTRUCTURE SERVICES

/mg

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This is to certify that

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Owned By

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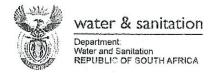
## Class C

for the operation of water care works used for the purification, treatment or disposal of effluent.

2021-09-03

Date of Issue







### MUNISIPALITEIT - MUNICIPALITY / UMASIPALA-WASE BEAUFORT-WES / BEAUFORT WEST / BHOBHOFOLO

Departement van die Direkteur: Ingenieursdienste Department of the Director: Engineering Services Isebe Lomphathi Owongameleyo: Kwicandelo Lezenjineli

E- pos / E- mail: manager.techservice@beaufortwestmun.co.za

Reference Verwysing

Isalathiso

12/3/2

Private Bag 582 Faks / Fax 086 2410

Tel 023-414 8102

Navrae

Enquiries

Imibuzo

C.B.Wright

Datum

Date Umhla

24 May 2022

BEAUFORT WEST **BEAUFORT WES BHOBHOFOLO** 

6970

Attention: The Directors Hoodia PV (Pty) Ltd 07 West Quay Road 1st Floor Block 101-A Waterfront Cape Town 8001

Dear Sir.

RE: CONFIRMATION OF SERVICES AVAILABILITY FOR THE CONSTRUCTION AND OPERATION OF A SOLAR ENERGY FACILITY LOCATED NEAR BEAUFORT WEST, WESTERN CAPE PROVINCE

Your letter dated 05 May 2022 has reference.

The Municipality can confirm the provision of services as requested in the abovementioned letter, however this confirmation is non-binding and will have to follow the connection application process as well as comply with Municipal policies and by-laws at time of application.

The Municipality confirms that the following services are available for the Hoodia Solar PV Facility:

### **Treatment of Sewage** a)

- The project company will contract a registered sewage service provider to store and collect the sewage from site and dispose of it at the Beaufort West Municipal sewage treatment facility.
- The municipality can confirm that the Beaufort West sewage treatment facility located at 32°20'52.57"S 22°34'27.18"E is a licenced facility and has the capacity to accommodate the volumes of sewage listed below:

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- Operational Phase: approximately 810 m³ per year.

Please do not hesitate to contact us if any additional information is needed.

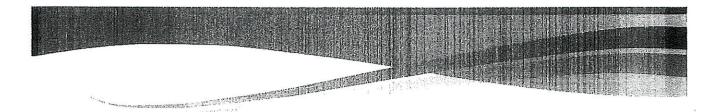
Yours faithfully.

D. VAN TURHA

DIRECTOR: INFRASTRUCTURE SERVICES

/mg

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This is to certify that

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Owned By

# Beaufort West Local Municipality Western Cape

has been registered in terms of section 26 of the National Water Act (Act No. 36 of 1998) as as

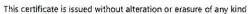
# Class C

for the operation of water care works used for the purification, treatment or disposal of effluent.

2021-09-03

Date of Issue







# **ANNEXURE L:**

**CONVEYANCER CERTIFICATE** 

### DUE DILIGENCE CONVEYANCERS CERTIFICATE

I, the undersigned,

### TASHREEQ JAFFAR

Conveyancer, practicing at Smith Tabata Buchanan Boyes, Claremont, Cape Town, do hereby certify as follows:

### HB VAN DER MERWER FAMILIETRUST

Registration Number: IT500/83

is the registered owner of the following property being:

DIE PLAAS NR. 423 IN DIE MUNIPALITEIT EN AFDELING VAN BEAUFORT-WES PROVINSIE WES-KAAP

IN EXTENT 2667,0374 (two six six seven comma zero three seven four) hectares

Held by Deed of Transfer no. T 10142/2015

A diligent search has been conducted on the above property. The following restrictive conditions relating to the property have been identified.

### As contained in Deed of Transfer no. T 10142/2015

- I. WAT BETREF die figuur A B a op diagram LG 2550/1998.
- B. ONDERHEWIG VERDER aan die serwituut verysing waarna op 2 Oktober 1973 endorsseer is op Transportakte Nr. T19025/1956 welke endosseement as lees:

### GENERAL SERVITUDES RESERVED IN FAVOUR OF ESKOM

By Notarial Deed No. 500/1973 dd 11-9-73 the right has been granted to Eletricity Supply Comminssion to convey eletricity over the property hereby conveyed together with ancillary rights and subject to conditions as will more fully appear on reference to Notarial Deed, grosse whereof is hereto annexed.



E. KRAGTENS Notariele Akte Nr K313/1981S is die binnegemelde eiendom onderhewig aan die reg ten gunste van Eskom om elektrisiteit daaroor te lei, tesame met bykomende regte en onderhewig aan voorwaades soos meer volledig sal blyk uit die gesegde Akte (en Kaart) afskrif wat daaraan geheg is.

### **GENERAL SERVITUDE**

F. KRAGTENS Notariele Akte Omskrywing van Serwituut Nr. K1127/89 is die serwituut vervat in in K500/1973S en K313/1981S nou gewysig om die presiese roete te bepaal soos meer volledig sal blyk uit gesegde Notariele Akte met Kaartenrs. 431/87 en 4312/1987 daarby aangeheg, die lyn c d op aangehegte Kaart LG Nr. 2550/1998 en die lyn b c op aangehegte Kaart LG Nr. 2550/1998 stel onderskeidelik die hartlyne van die gemelde serwitute voor.

### **ELECTRICAL SERVITUDE IN FAVOUR OF ESKOM**

G. KRAGTENS Notariele Akte van Serwituut Nr. K1082/96S is die binnegemelde eiendom onderhewig aan 'n kraglynserwituut met bykomende regte ten gunste van Eskom.

### RESTRICTION AGAINST CREATION OF ADDITIONAL ACCESS

- H. ONDERHEWIG VERDER aan die volgende voorwaarde soos vervat in Transportakte Nr T39606/2000, opgele deur die Minister van Vervoer tydens goedkeuring van die onderverdeling naamlik:
  - "Geen bykomende toegange mag geskep word sonder die toestemming van die Hoofdirektoraat van Vervoer nie."
- II. WAT BEREF die figuur a B G H op diagram LG Nr 2550/1998.
- A. ONDERHEWIG aan die voorwaardes waarna verwys word in Transportakte Nr. T551/1915.
- III. WAT BETREF die figuur B C D E F op Diagram LG Nr. 2250/1998.
- A. ONDERHEWIG aan die voorwaardes waarna verwys word Transportakte Nr. T7103/1927.

SERVITUDES RELATING TO CERTAIN DAM, FOUNTAIN AND WATER IN GENERAL



B. ONDERHEWIG VERDER aan en GEREGTIG op die voordeel die spesiale voorwaardes nrs I, II, IV, en VI genoem in Transportakte Nr T550/1915, Nr. I waarvan betrekking het op sekere dam, fontein en water in die algemeen met rog op toegang en diens of onderhoud en reparasies, nr. V waarvan betrekking het op sekere verdelings helning en diens of onderhoud, en nrs. II, IV, en VI waarvan as volg lees:-

### **RIGHT OF WAY**

"II. That the said Johannes Christian Truter and his successors shall have a right of way from his house to the main road, and access to the fountain and flood water in the Gamka River.

### PROHIBITION ON SINKING BOREHOLE

IV. That neither owner nor his successors in title shall sink any borehole or well within 188,91 metres of the fountain above the present homestead of D.W. Truter.

### NO BUILDING OF WEIR

VI. That no weir shall be built across the Gamka River above the existing weir, by either party or his successors in title."

DATED AT CLAREMONT this 27th DAY OF OCTOBER 2021

TASPRED JAFFAR

TASTREEQ JAFFAR

EXCHANAN CHAMBERS
THE FLOOR ONE, WARWICK ST. & PEARCE RD.
CLAREMONT, 7708

COMMISSIONER OF OATHS R.S.A. PRACTISING ATTORNEY / CONVEYANCER

# ANNEXURE M:

# DEPARTMENT OF AGRICULTURE, LAND REFORM AND RURAL DEVELOPMENT NO OBJECTION LETTER



Private Bag X120, Pretoria (Ishwane), 000 I Delpen Building, C/o Annie Botha & Union Street, Riviera, 0084

From: Directorate Land and Soil Management

Tel: 012-319-7634 Fax: 012-329-5938, Email: KhuthalaD@dalrrd.gov.za/MulaloMo@Dalrrd.gov.za

Enquiries: Helpdesk Ref: 2022 08 0039

Townscape Planning Solutions P.O.Box 20831 NOORDBRUG 2522

Email: Adminmp@tpsplanners.co.za

Attention: Mr KW Rost

APPLICATION IN TERMS OF THE SUBDIVISION OF AGRICULTURAL LAND ACT, ACT 70 OF 1970: THE FARM NO. 423, WESTERN CAPE PROVINCE

Your letter of reference P22817\_cover letter dated 27 July 2022 refers.

With reference to the above-mentioned subject, the Department wishes to inform you that the application has been granted.

To facilitate registration, the conveyancer must lodge the signed copy of the consent with the Registrar of Deeds together with the documents for registration.

Kindly note that the properties concerned are subject to the provisions of the Conservation of Agricultural Resources Act 1983 (Act 43 of 1983).

Yours faithfully

MR D SERAGE
ACTING DEPUTY DIRECTOR GENERAL: AGRICULTURAL PRODUCTION, BIOSECURITY

AND NATURAL RESOURCES MANAGEMENT

DATE: ZOZ

CC: The Surveyor-General Private Bag X 2 CAPE TOWN 8000

CC: Land Use and Soil Management Private Bag X 2 SANLAMHOF 7592

CC: Mr Brandon Layman Land use Management Department of Agriculture: Western Cape Private Bag x 1 ELSENBURG 7607

VERW/REF.

CONSENT

2022 08 0039

IN TERMS OF THE SUBDIVISION OF AGRICULTURAL LAND ACT, 1970

56936

By virtue of the powers delegated to me by the Minister of Agriculture, Land Reform & Rural Development, consent is hereby granted in terms of section 4(2) of the Subdivision of Agricultural Land Act, 1970, to conclude a lease, as indicated in paragraph 2, in respect of the agricultural land described in paragraph 1, subject to the conditions set out in paragraph 3.

PARAGRAPH 1:

THE AGRICULTURAL LAND TO WHICH THIS CONSENT APPLIES

THE FARM NO. 423, IN EXTENT 2667,0374 HECTARES, WESTERN CAPE PROVINCE.

PARAGRAPH 2:

CONSENT GRANTED

To conclude a lease for a period not exceeding 25 years in favour of Rosenia PV (Pty) Ltd for the purpose of the development of 240MW Solar Power Facility and purposes incidental thereto, over a portion of the agricultural land mentioned in paragraph 1, measuring approximately 508 hectares represented by the figures marked Rosenia PV on the sketch plan attached.

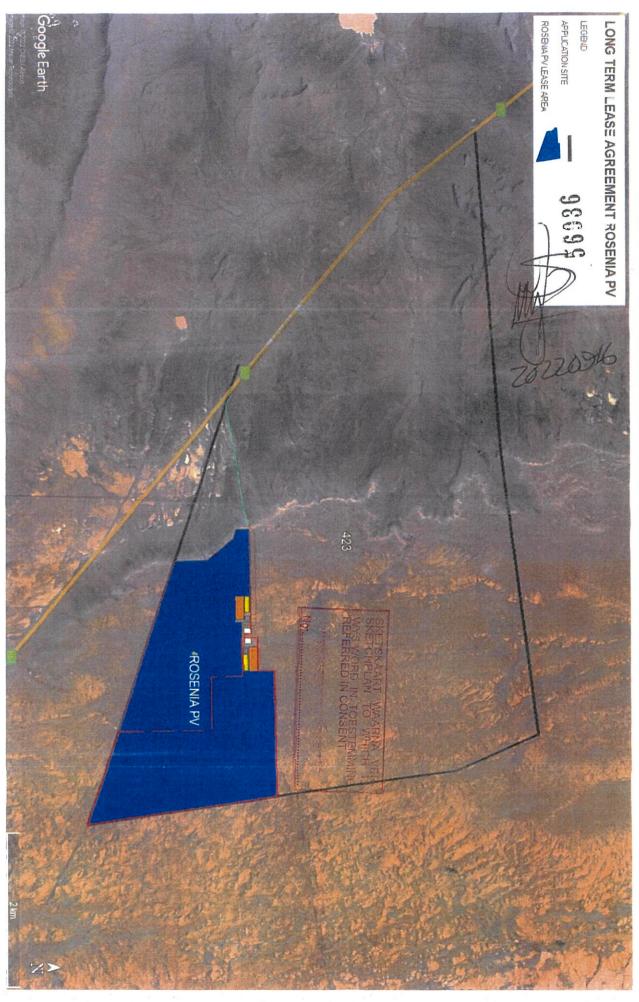
### CONDITIONS PERTAINING TO THIS CONSENT PARAGRAPH 3:

- 3.1 The water needed for the maintenance of the site should not be sourced from existing water rights allocated to the site for agricultural activities, as it will negatively impact on agricultural production.
- 3.2 This consent does not exempt any person from any provision of any other law and does not purport to interfere with the rights of any person who may have an interest in the agricultural land.
- This consent is valid for 5 years from date of this grant. Should it not be registered within 3.3 the time frame, a new complete application must be lodged which will be considered on its own merits.

MR DISERAGE

ACTING DEPUTY DIRECTOR GENERAL: AGRICULTURAL PRODUCTION, BIOSECURITY AND NATURAL RESOURCES MANAGEMENT

# LONG TERM LEASE AGREEMENT AREA





Private Bag X120, Pretoria (Tshwane), 0001 Delpen Building, C/o Annie Botha & Union Street, Riviera, 0084

From: Directorate Land and Soil Management

Tel: 012-319-7634 Fax: 012-329-5938, Érnail. KhuthalaD@dalrrd.gov.za/MulaloMo@Dalrrd.gov.za

Enquiries: Helpdesk Ref: 2022\_08\_0041

Townscape Planning Solutions P.O.Box 20831 NOORDBRUG 2522

Email: Adminmp@tpsplanners.co.za

Attention: Mr KW Rost

APPLICATION IN TERMS OF THE SUBDIVISION OF AGRICULTURAL LAND ACT, ACT 70 OF 1970: THE FARM NO. 423, WESTERN CAPE PROVINCE

Your letter of reference P22817\_cover letter dated 27 July 2022 refers.

With reference to the above-mentioned subject, the Department wishes to inform you that the application has been granted.

Consent No. .... 5.6.3 Susued in terms of section 4 of the Act, is enclosed.

To facilitate registration, the conveyancer must lodge the signed copy of the consent with the Registrar of Deeds together with the documents for registration.

Kindly note that the properties concerned are subject to the provisions of the Conservation of Agricultural Resources Act 1983 (Act 43 of 1983).

Yours faithfully

MR D SERAGE AND VALUE OF THE SERVICE OF THE SERVICE

DATE: -

CC: The Surveyor-General Private Bag X 2 CAPE TOWN 8000

CC: Land Use and Soil Management Private Bag X 2 SANLAMHOF 7592

CC: Mr Brandon Layman Land use Management Department of Agriculture: Western Cape Private Bag x 1 ELSENBURG 7607

VERW/REF.

CONSENT

2022 08 0041

IN TERMS OF THE SUBDIVISION OF AGRICULTURAL LAND ACT. 1970

56960

By virtue of the powers delegated to me by the Minister of Agriculture, Land Reform & Rural Development, consent is hereby granted in terms of section 4(2) of the Subdivision of Agricultural Land Act, 1970, to conclude a lease, as indicated in paragraph 2, in respect of the agricultural land described in paragraph 1, subject to the conditions set out in paragraph 3.

PARAGRAPH 1:

THE AGRICULTURAL LAND TO WHICH THIS CONSENT APPLIES

THE FARM NO. 423, IN EXTENT 2667,0374 HECTARES, WESTERN CAPE PROVINCE.

PARAGRAPH 2:

CONSENT GRANTED

To conclude a lease for a period not exceeding 25 years in favour of Hoodia PV (Pty) Ltd for the purpose of the development of 240MW Solar Power Facility and purposes incidental thereto, over a portion of the agricultural land mentioned in paragraph 1, measuring approximately 483 hectares represented by the figures marked Hoodia PV on the sketch plan attached.

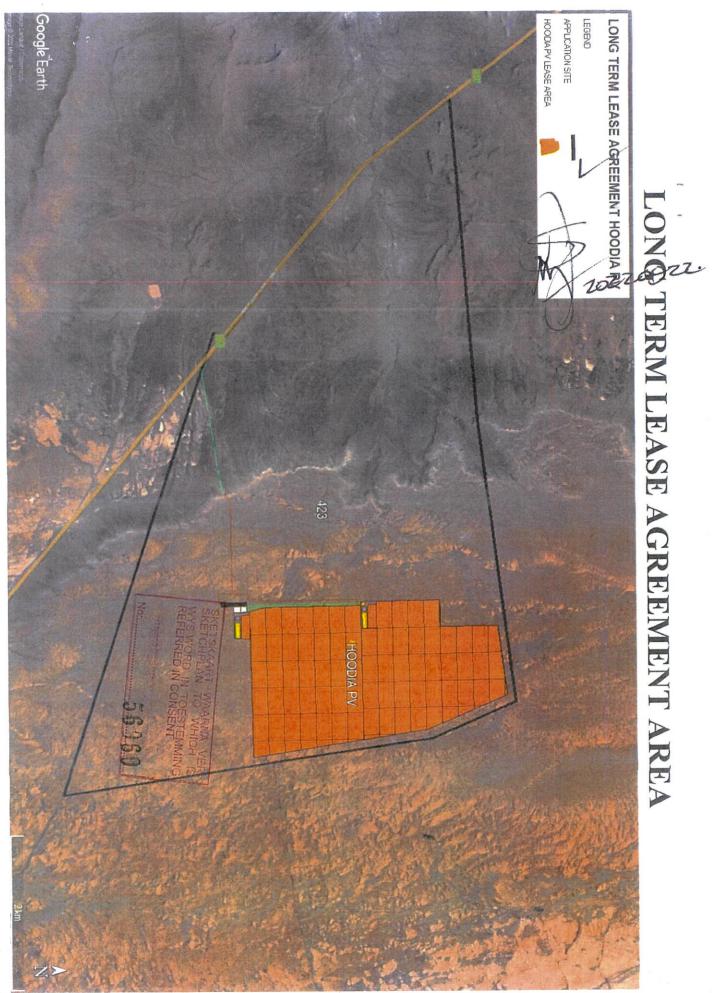
### PARAGRAPH 3: CONDITIONS PERTAINING TO THIS CONSENT

- 3.1 The water needed for the maintenance of the site should not be sourced from existing water rights allocated to the site for agricultural activities, as it will negatively impact on agricultural production.
- 3.2 This consent does not exempt any person from any provision of any other law and does not purport to interfere with the rights of any person who may have an interest in the agricultural land.
- 3.3 This consent is valid for 5 years from date of this grant. Should it not be registered within the time frame, a new complete application must be lodged which will be considered on its own merits.

DATE

MR D SERAGE

ACTING DEPUTY DIRECTOR GENERAL: AGRICULTURAL PRODUCTION, BIOSECURITY AND NATURAL RESOURCES MANAGEMENT





# agriculture, land reform & rural development

Department: Agriculture, Land Reform and Rural Development REPUBLIC OF SOUTH AFRICA

VERW/REF.

CONSENT

2022 08 0041

IN TERMS OF THE SUBDIVISION OF AGRICULTURAL LAND ACT, 1970

56960

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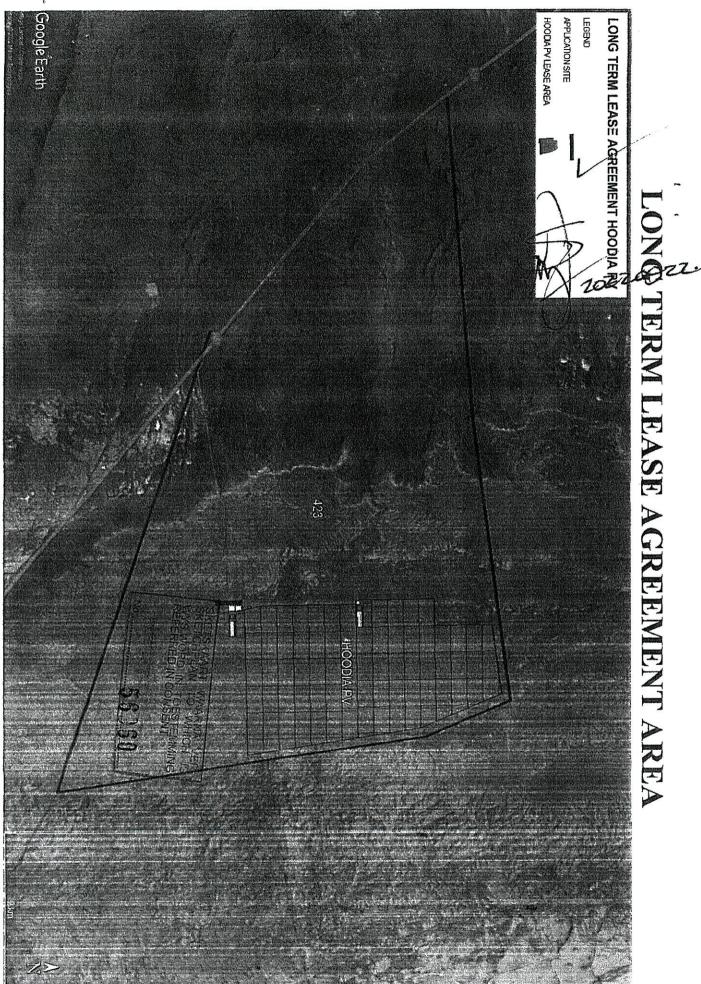
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DATE

DATE

MR D SERAGE

ACTING DEPUTY DIRECTOR GENERAL: AGRICULTURAL PRODUCTION, BIOSECURITY AND NATURAL RESOURCES MANAGEMENT





Private Bag X120, Pretoria (Ishwane), 0001 Delpen Building, C/o Annie Botha & Union Street, Riviera, 0084

From: Directorate Land and Soil Management

Tel: 012-319-7634 Fax: 012-329-5938, Email: KhuthalaD@dalrrd.gov.za/MulaloMo@Dalrrd.gov.za

Enquiries: Helpdesk Ref: 2022 08 0040

Townscape Planning Solutions P.O.Box 20831 NOORDBRUG 2522

Email: Adminmp@tpsplanners.co.za

Attention: Mr KW Rost

APPLICATION IN TERMS OF THE SUBDIVISION OF AGRICULTURAL LAND ACT, ACT 70 OF 1970: THE FARM NO. 423, WESTERN CAPE PROVINCE

Your letter of reference P22817\_cover letter dated 27 July 2022 refers.

With reference to the above-mentioned subject, the Department wishes to inform you that the application has been granted.

Consent No. ... 5.6.3.3 issued in terms of section 4 of the Act, is enclosed.

To facilitate registration, the conveyancer must lodge the signed copy of the consent with the Registrar of Deeds together with the documents for registration.

Kindly note that the properties concerned are subject to the provisions of the Conservation of Agricultural Resources Act 1983 (Act 43 of 1983).

Yours faithfully

MR D SERAGE A ACTING DEPUTY DIRECTOR GENERAL: AGRICULTURAL PRODUCTION, BIOSECURITY AND NATURAL RESOURCES MANAGEMENT DATE:

CC: The Surveyor-General Private Bag X 2 CAPE TOWN 8000

CC: Land Use and Soil Management Private Bag X 2 SANLAMHOF 7592

CC: Mr Brandon Layman Land use Management Department of Agriculture: Western Cape Private Bag x 1 FL SENBURG 7607

VERW/REF.

CONSENT

2022 08 0040

IN TERMS OF THE SUBDIVISION OF AGRICULTURAL LAND ACT, 1970

56958

By virtue of the powers delegated to me by the Minister of Agriculture, Land Reform & Rural Development, consent is hereby granted in terms of section 4(2) of the Subdivision of Agricultural Land Act, 1970, to conclude a lease, as indicated in paragraph 2, in respect of the agricultural land described in paragraph 1, subject to the conditions set out in paragraph 3.

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THE AGRICULTURAL LAND TO WHICH THIS CONSENT APPLIES

THE FARM NO. 423, IN EXTENT 2667,0374 HECTARES, ESTERN CAPE PROVINCE.

PARAGRAPH 2:

CONSENT GRANTED

To conclude a lease for a period not exceeding 25 years in favour of Salsola PV (Pty) Ltd for the purpose of the development of 240MW Solar Power Facility and purposes incidental thereto, over a portion of the agricultural land mentioned in paragraph 1, measuring approximately 490 hectares represented by the figures marked Salsola PV on the sketch plan attached.

### CONDITIONS PERTAINING TO THIS CONSENT PARAGRAPH 3:

- The water needed for the maintenance of the site should not be sourced from existing 3.1 water rights allocated to the site for agricultural activities, as it will negatively impact on agricultural production.
- This consent does not exempt any person from any provision of any other law and does not 3.2 purport to interfere with the rights of any person who may have an interest in the agricultural land.
- This consent is valid for 5 years from date of this grant. Should it not be registered within 3.3 the time frame, a new complete application must be lodged which will be considered on its own merits.

RAGE

ACTING DEPUTY DIRECTOR GENERAL: AGRICULTURAL PRODUCTION, BIOSECURITY AND NATURAL RESOURCES MANAGEMENT





# agriculture, land reform & rural development

Department:
Agriculture, Land Reform and Rural Development
REPUBLIC OF SOUTH AFRICA

VERW/REF.

CONSENT

2022 08 0040

IN TERMS OF THE SUBDIVISION OF AGRICULTURAL LAND ACT, 1970

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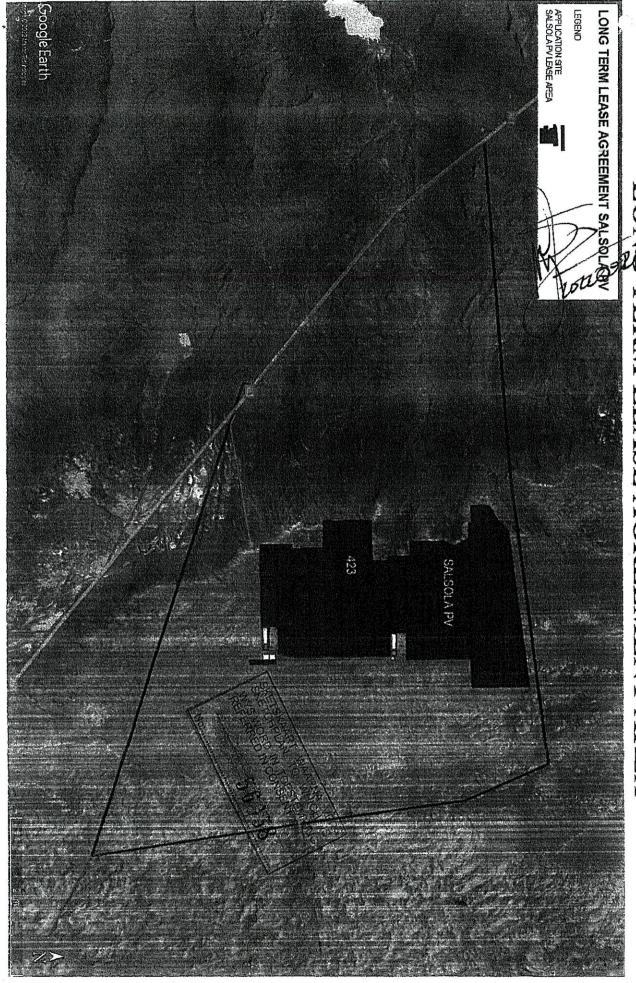
3.3 This consent is valid for 5 years from date of this grant. Should it not be registered within the time frame, a new complete application must be lodged which will be considered on its own merits.

DATE

WRID SERAGE

ACTING DEPUTY DIRECTOR GENERAL: AGRICULTURAL PRODUCTION, BIOSECURITY AND NATURAL RESOURCES MANAGEMENT

# LONG TERM LEASE AGREEMENT AREA



# **ANNEXURE N:**

# WESTERN CAPE DEPARTMENT OF AGRICULTURE LAND USE MANAGEMENT NO OBJECTION LETTER BONDHOLDERS CONSENT



Cor Van Der Walt LandUse Management Email: Cor.VanderWalt@westerncape.gov.za

tel: +27 21 808 5099 fax: +27 21 808 5092

OUR REFERENCE

: 20/9/2/3/1/037

YOUR REFERENCE

: P22817

**ENQUIRIES** 

: Cor van der Walt

Townscape Planning Solutions

PO Box 20831

NOORDBRUG

2522

Att: Mr. KW Rost

# SOLAR ENERGY FACILITIES (ROSENIA AND BULSKOP) APPLICATION FOR CONSENT USE: DIVISION BEUFORT WEST FARM NO 423

Your application of 27 September 2022 has reference.

The Western Cape Department of Agriculture: Land Use Management has no objection to the proposed application.

### Please note:

- Kindly quote the above-mentioned reference number in any future correspondence in respect of the application.
- The Department reserves the right to revise initial comments and request further information based on the information received.

Yours sincerely

Copy:

Beaufort West Municipality

Private Bag 582

BEAUFORT WEST

6970

Mr. C. Van der Walt

LANDUSE MANAGER: LANDUSE MANAGEMENT

2022-10-17



Cor Van Der Walt

LandUse Management

Email: Cor.VanderWalt@westerncape.gov.za

tel. +27 21 808 5099 fax: +27 21 808 5092

OUR REFERENCE

: 20/9/2/3/1/037

YOUR REFERENCE

: P22817

**ENQUIRIES** 

: Cor van der Walt

Townscape Planning Solutions

PO Box 20831

NOORDBRUG

2522

Att: Mr. KW Rost

# SOLAR ENERGY FACILITIES (SASOLA AND GAMKA) APPLICATION FOR CONSENT USE: DIVISION BEUFORT WEST FARM NO 423

Your application of 27 September 2022 has reference.

The Western Cape Department of Agriculture: Land Use Management has no objection to the proposed application.

### Please note:

- Kindly quote the above-mentioned reference number in any future correspondence in respect of the application.
- The Department reserves the right to revise initial comments and request further information based on the information received.

Yours sincerely

Copy:

Beaufort West Municipality

Private Bag 582

BEAUFORT WEST

6970

Mr. C.J.van der Walt

LANDUSE MANAGER: LANDUSE MANAGEMENT

2022-10-17



Cor Van Der Walt LandUse Management

Email: Cor.VanderWalt@westerncape.gov.za

tel: +27 21 808 5099 fax: +27 21 808 5092

OUR REFERENCE

: 20/9/2/3/1/037

YOUR REFERENCE

: P22817

**ENQUIRIES** 

: Cor van der Walt

Townscape Planning Solutions

PO Box 20831

NOORDBRUG

2522

Att: Mr. KW Rost

# SOLAR ENERGY FACILITIES (HOODIA AND HARDEVELD) APPLICATION FOR CONSENT USE: DIVISION BEUFORT WEST FARM NO 423

Your application of 27 September 2022 has reference.

The Western Cape Department of Agriculture: Land Use Management has no objection to the proposed application.

### Please note:

- Kindly quote the above-mentioned reference number in any future correspondence in respect of the application.
- The Department reserves the right to revise initial comments and request further information based on the information received.

Yours sincerely

Copy:

Beaufort West Municipality

Private Bag 582

BEAUFORT WEST

6970

Mr. CHvan der Walt

LANDUSE MANAGER: LANDUSE MANAGEMENT

2022-10-17

# **ANNEXURE 0:**

**DESIGN REPORTS** 

### **BULSKOP PV**

### TECHNICAL LAYOUT DEVELOPMENT REPORT FOR BULSKOP PV



(PV Magazine, 2018)

### Prepared for:

Cape Environmental Assessment Practitioners (Pty) Peter Smith Ltd

Date: 24 October 2021

### **Contact Person:**

Bulskop PV (Pty) Ltd 101, Block A, West Quay Building, 7 West Quay Road Waterfront, 8000

F: +27 (0) 86 515 1466 L: +27 (0) 21 418 2596 E: peter@atlanticep.com

# **DOCUMENT HISTORY**

# **REVISION HISTORY**

Revision No	Revision Date	Author
Draft	24 March 2022	Peter Smith
Гinal		Peter Smith
Revision 1		Peter Smith
Revision 2		Peter Smith

# APPROVAL FOR RELEASE

Signed	Name
A STATE OF THE STA	vid Peinke Director

# DISTRIBUTION

Name	Designation	Company	
Dale Holder	EAP	Cape EAPrac	
David Peinke	Director	Bulskop PV (Pty) Ltd	

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### 1. INTRODUCTION

Bulskop PV (Pty) Ltd is proposing the establishment of a commercial photovoltaic (PV) solar energy facility (SEF), called Bulskop PV, located on the Remaining Extent of Farm 423 south-east of Beaufort West in the Western Cape Province. Bulskop PV will comprise several arrays of PV panels and associated infrastructure and will have a contracted capacity of up to 120 MW. The project is situated within the Beaufort West Local Municipality within the Central Karoo District Municipality.

Bulskop PV will include solar PV technology (monofacial or bifacial) with either fixed, single or double axis tracking mounting structures, as well as associated infrastructure, which includes:

- 1. Laydown area;
- 2. Access and Internal road network;
- 3. Auxiliary buildings (33 kV switch room, gate-house and security, control centre, office, warehouse, canteen & visitors centre, staff lockers etc.);
- 4. Facility substation transformers and internal electrical reticulation;
- 5. Inverters and cabling;
- 6. Battery Energy Storage System (BESS);
- 7. Rainwater tanks; and
- 8. Perimeter fencing and security infrastructure.

Figure 1 below depicts a typical layout of a solar PV energy facility.

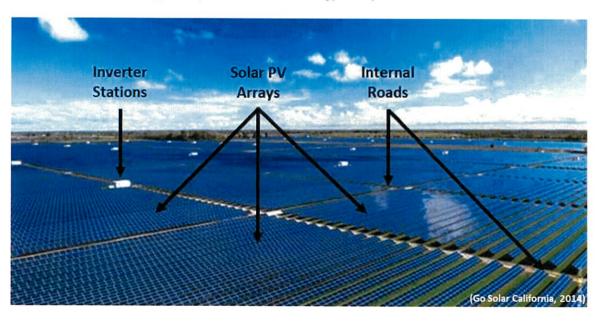


Figure 1: Typical Layout of a Solar PV Energy Facility

Bulskop PV will have a net generating capacity of 120 MW with an estimated maximum footprint of  $\pm$  268 ha. The approximate area that each component of Bulskop PV will occupy is summarised in Table 1 below.

Table 1: Component Areas and % of Total Project Area

SEF Component	Estimated Area	% of Total Area (± 268 ha)	% of Study Area (2667.04 ha)	
PV array	± 246 ha	91.82 %	9.2 %	
Permanent and construction laydown	Up to 4 ha	1.1.49 %	0.14 %	
Auxiliary buildings	± 1 ha	0.38 %	0.04 %	
Internal roads	± 8 ha	2.90 %	0.30 %	
Substation	± 1 ha	0.38 %	0.04 %	
Main Road	Approx. 4 ha	1.49 %	0.14%	
BESS	Up to 4 ha	1.49%	0.14	

### 2. LAYOUT DEVELOPMENT

It is customary to develop the final/ detailed construction layout of the Solar PV facility only once an Independent Power Producer (IPP) is awarded a successful bid under the Renewable Energy Independent Power Producer Procurement Programme (REIPPPP) or an alternative programme, after which major contracts are negotiated and final equipment suppliers identified. However, for the purpose of the Basic Assessment (BA), in accordance with the minimum requirements prescribed by the Department of Forestry Fisheries and Environmental Affairs (DFFE), two alternative layouts were identified. The following section elaborates on the layout options for Bulskop PV.

### 2.1 INITIAL ASSESSMENT AREA

The Farm 423 RE, situated within the Central Karoo District Municipality of the Western Cape Province, was identified for the development of the proposed Bulskop PV.

This was based on the favourable location characteristics which included: a competitive solar resource, located within the Beaufort West Renewable Energy Development Zones (REDZ); a viable grid connection; close proximity to towns with a need for socio-economic upliftment; land availability; land owner support; flat topography; no conflict to on-site and surrounding land use practices; easy accessibility; favourable wind and dust considerations; and distance from airports.

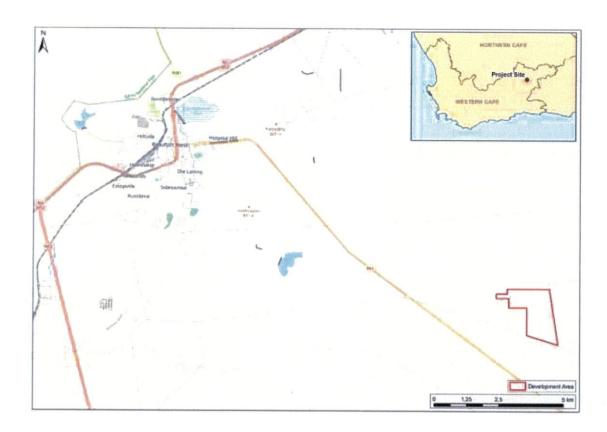


Figure 2: Locality of Bulskop PV within the Property

The initial study area consisted of the entire property being Farm 423 RE in extent 2667.0374<sup>1</sup> ha, which was identified for the development of solar PV during the planning phase of the project. The study area is illustrated in Figure 3 below.

<sup>&</sup>lt;sup>1</sup> Please refer to 5ite Selection Matrix (October 2021) for details on the property selection process.



Figure 3: Initial/ Conceptual Study Area

The initial study area did not consider any environmental sensitive areas (to be identified by the various specialist studies). The study area was driven primarily by its proximity to the R61 access road as well as reduced overhead powerline (OHL) distance to connect into the Droerivier Main Transmission Substation (MTS), located  $\pm$  17.5 km to the west of Bulskop PV.

### 2.2 SITE SENSITIVITY SCREENING

Following the identification of the initial/ conceptual study area, various specialists (ecology, heritage (inclusive of archaeology), palaeontology, aquatic/ freshwater and avifauna) were appointed to assist in the site selection process. Each of the specialists mapped the sensitive areas of the initial/ conceptual study area following a site visit. The site sensitivities indicated that an area of approximately 1,570 ha on the eastern portion of the property was suitable for the development of solar PV, as illustrated in green in Figure 4 below, noted as the Bulskop PV Cluster Development Area. The preferred layout alternative for Bulskop PV identified during the planning and design phase, aimed to avoid all areas with a high sensitivity as indicated in Figure 4 below.

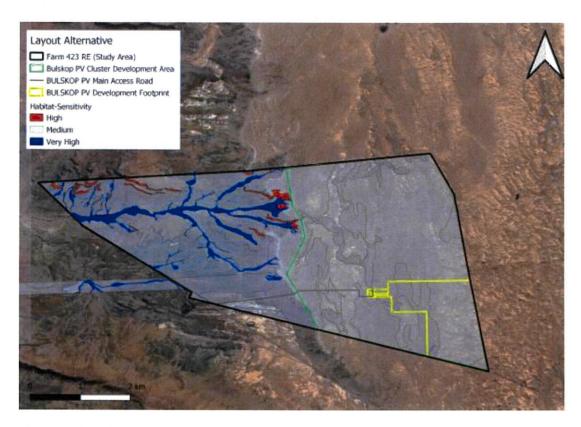


Figure 4: Ecological Sensitivity for Bulskop PV

### 2.3 LAYOUT ALTERNATIVE 1 (PREFERRED)

Extensive upfront consultation with the various specialists mitigated many of the impacts associated with the planning and design phase. Therefore, the preferred layout alternative (Layout Alternative 1) within the initial/ conceptual area was the only layout alternative considered for Bulskop PV<sup>2</sup> as depicted in Figure 5 below. Layout Alternative 1 predominantly occupies only Medium sensitivity areas.

<sup>&</sup>lt;sup>2</sup> As required by the NEMA EIA regulations, the preferred alternative (Layout Alternative 1) will be assessed against the "no-go" alternative.

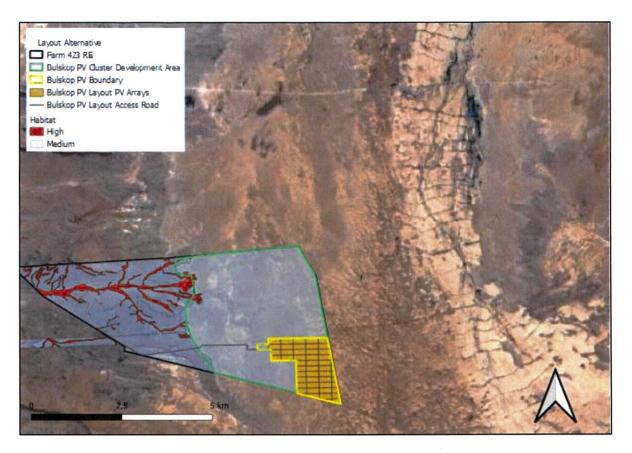


Figure 5: Bulskop PV Cluster Site Development Boundary & Bulskop PV Development Footprint

# 3. OVERVIEW OF THE SOLAR ENERGY FACILITY

The following section presents an overview of the main components of Bulskop PV.

# 3.1 SOLAR ARRAY

Solar PV modules are connected in series to form a string. A number of strings are then wired in parallel to form an array of modules. PV modules are mounted on structures that are either fixed, north-facing at a defined angle, or mounted to a single or double axis tracker to optimise electricity yield.

# 3.2 MOUNTING STRUCTURES

Various options exist for mounting structure foundations, which include cast/ pre-cast concrete (shown in Figure 6), driven/ rammed piles (Figure 7), or ground/ earth screws mounting systems (Figure 8).



Figure 6: Cast Concrete Foundation

(Solar Power Plant Business, 2013)



Figure 7: Driven/Rammed Steel Pile

(SolarPro, 2010)

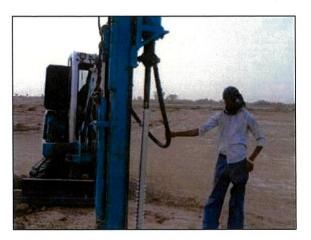


Figure 8: Ground Screw

(PV MAGAZINE, 2014)

The impact on agricultural resources and production of these options are considered to be the same, however concrete is least preferred due the effort required at a decommissioning phase in order to remove the concrete from the soil, and therefore its impact on the environment. Bulskop PV will therefore aim to make the most use of pre drilling and backfilling of holes prior to either driven/ rammed piles, or ground/ earth screws mounting systems, and only in certain instances resort to concrete foundations should geotechnical studies necessitate this.

#### 3.3 AUXILIARY BUILDINGS

The auxiliary buildings will comprise of the following as a minimum:

- 9. 33 kV switch room;
- 10. Control building/centre;
- 11. Offices:
- 12. Warehouses;
- 13. Canteen & visitors centre;
- 14. Staff lockers & ablution; and
- 15. Gate-house and security.

The total area occupied is approximately 1 ha, excluding the facility switching station/ substation.

#### 3.4 GRID CONNECTION AND CABLING

Bulskop PV intends to connect to the Droeriver MTS (400/132 kV) located  $\pm$  17.5 km to the west of Bulskop PV, via the 132 kV Bulskop collector substation/ switching station located between Salsola PV, Hoodia PV, Bulskop PV and Rosenia PV facilities. The proposed Bulskop PV substation will be up to 1 ha (PV facility component) and feature a step-up transformer/s to transmit electricity via a 132 kV OHL between the Bulskop collector substation/ switching station and onto the Droerivier MTS.

A grid connection corridor of approximately 300 m wide and 17.5 km long is being assessed (as part of a separate environmental process) to allow for the optimisation of the grid connection and associated infrastructure. The grid connection infrastructure will be developed within the 300 m wide grid connection corridor, which will allow for the avoidance of identified environmental sensitivities. The grid corridor will connect the 6 PV projects to the Droerivier MTS, via the Bulskop collector substation/ switching station.

#### 3.5 BATTERY STORAGE

Renewable energy can currently achieve lower costs than fossil fuels. By incorporating energy storage technologies into renewable energy facilities, electricity can be stored during generation peaks and supplied during demand peaks.

Lower costs coupled with improved efficiencies, high energy density, lightweight design and low

environmental risks, make non-liquid/solid-state (e.g. Lithium battery technologies) the preferred alternative (refer to standalone Battery Storage Technical Development Report).

Bulskop PV BESS will cover a maximum area of approximately 4 ha.

#### 3.6 ACCESS ROUTES AND INTERNAL ROADS

The proposed project site is accessible via the provincial R61 road which runs parallel to the site on the western boundary.

The preferred site access point will be the western access off the R61 as depicted in Figure 9 below. Access Road 1 (red route in Figure 9) will be a maximum of 10m in width and will be a gravel surface. This route is considered to be the most technically and environmentally preferred access road as it largely follows the existing farm access roads and crosses relatively minor shallow drainage lines. The existing access point 2 in the image below was originally proposed as the preferred access point, however the engineers conducting the Traffic Impact Study advised against utilizing this access point due to potential line of site concerns resulting in safety issues on the R61.

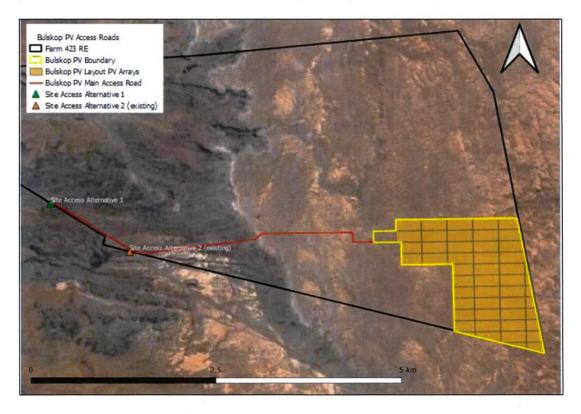


Figure 9: Access Routes to Bulskop PV

The internal road network of Bulskop PV will be gravelled roads, up to 8 m in width, around the solar array periphery as well as be east to west running gravel roads between the blocks used for maintenance and cleaning of solar PV panels.

A detailed transport and traffic study is currently being compiled for the project and will be assessed in the impacts tables of the BA Report. Precautionary measures will be taken to mitigate the risk of ground disturbances where access roads will be constructed. Special attention will be given to drainage, water flow and erosion by applying appropriate building methods.

### 3.7 SERVICES REQUIRED

#### 3.7.1 Waste Management

#### 3.7.1.1 Solid Waste

Solid waste during the construction phase will mainly be in the form of construction material, excavated substrate and domestic solid waste. All waste will be disposed of in scavenger proof bins and temporarily placed in a central location for removal by the contractor. Any other waste and excess material will be removed once construction is complete and disposed of at a registered waste facility. Excess excavation material will either be spoiled offsite at a registered facility or used for landscaping berms within the overall PV footprint.

### 3.7.1.2 Sewerage

During the construction phase, chemical ablution facilities will be utilised. These ablution facilities will be maintained, serviced and emptied by an appointed contractor, who will dispose of the effluent at a licensed facility off site. Once construction is complete, the chemical ablution facilities will be removed from the study area. A conservancy tank which will be regularly emptied by a registered service provider will be installed at the Operations & Maintenance building and on-site/facility substation and the BESS control room.

### 3.7.1.3 Hazardous substances

During the construction phase, use of the following hazardous substances is anticipated:

- 16. Cement associated with piling activities and construction of buildings and inverter station plinths;
- 17. Petrol/ diesel for construction plant; and
- 18. Limited amounts of lubricants and transformer oils.

Temporary storage and disposal of hazardous waste will be done in compliance with relevant legislation (i.e. stored in covered containers with appropriate bunding). Refuelling areas to be in designated positions, with suitable mitigation to reduce the risk of hydrocarbon spills.

# 3.7.1.4 Water Supply

Water required during the construction and operation phases will be sourced from (in order of priority):

- The Local Municipality (LM) Specific arrangements will be agreed with the Beaufort West Local Municipality in a Service Level Agreement (SLA). Most likely the water will be either trucked in, or otherwise made available for collection at their Water Treatment Plant via a metered standpipe.
- 2. Investigation into a third-party water supplier which may include a private services company.
- 3. The investigation of drilling a borehole on site, which includes complete geohydrological testing, groundwater census and a Water Use License Application (WULA) in terms of section 21a of the National Water Act, 1998.

# 4. CONCLUSION

Layout Alternative 1 (Preferred) has been developed based on key criteria identified above, including inter alia, accessibility, assessment of alternatives, proximity to the Droerivier MTS, as well as consideration of sensitive areas to minimise ecological and other impacts.

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