

Dear Interested and/or Affected Party

INVITATION TO PARTICIPATE: ENVIRONMENTAL IMPACT ASSESSMENT PROCESS INCLUDING AN INTEGRATED WATER USE LICENSE APPLICATION FOR THE PROPOSED 1 GW UPINGTON SOLAR PARK WITHIN THE //KHARA HAIS MUNICIPALITY, NORTHERN CAPE PROVINCE (DEA Ref No: 14/12/16/3/3/2/588)

Lidwala Consulting Engineers (SA) (Pty) Ltd (Lidwala SA) has been appointed by CEF (SOC) Ltd to conduct an Environmental Impact Assessment (EIA) in terms of Government Notices GNR 543, 544 and 545 of the National Environmental Management Act, Act No. 107 of 1998, (NEMA). The proposed 1 GW Upington Solar Park is registered with the Department of Environmental Affairs (DEA) under reference number DEA 14/12/16/3/3/2/588.

The proposed project includes the development of a Solar Park in the //Khara Hais municipal area (Upington) in the Northern Cape Province. The Solar Park will need to be big enough to generate 1 GW of solar electricity. The larger site under investigation for the proposed Solar Park covers an approximate area of over 5011 ha, however, the final shape and design of the footprint is still to be determined during conceptual engineering and design. The appended Background Information Document (BID) contains more information on the proposed Solar Park project – see attached.

CEF (SOC) Ltd must obtain an environmental authorisation and all applicable and required licences before commencing with the construction of the proposed project as required in terms of the provisions of the NEMA and applicable legislation. In order to obtain the relevant authorisation and licences for the proposed Solar Park, an Environmental Impact Assessment (EIA) needs to be undertaken.

In terms of Section 21 (b), (c), (e), (f), (g) and (i) of the National Water Act, 1998 (Act No. 36 of 1998) (NWA), the proposed Solar Park and associated infrastructure will also require an Integrated Water Use Licence (IWUL).

The project team would like to invite you, as an interested and/or affected party (I&AP), to become part of the EIA and public participation (PP) processes for the proposed project. The aim of this process is to ensure that the environmental impacts associated with the project are taken into consideration and mitigated, to ensure public input and comments are considered in decision making and also to provide authorities with sufficient information to make an informed decision on the proposed activities associated with the project.

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2002/019053/07

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Directors:

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Mr Alfred M.A. Raspi MDip Tech (Civil) Pr Tech

Mr Limuwani G. Lithole NDip Tech(Civil)

Mrs Mamathe Kgarimetsa-Phiri (Non-Executive)

Mrs Mausley Pilane (Non-Executive)



YOUR COMMENT IS IMPORTANT

You are invited to formally register as an interested and/or affected party (I&AP) and to participate in the EIA process by completing the registration and comment form enclosed with the BID. You are welcome to comment on the BID in any of the following ways:

- Submitting your completed registration and comment form to us
- Writing a letter to be received by us by e-mail, fax or phoning the public participation office.

You are requested to use the registration and comment form to indicate your preferred method of notification and any direct business or other interest you may have in the environmental authorisation process. Several opportunities will be provided to your disposal to make contributions during the EIA process within set timeframes, and you will receive advance notification of these once you have registered.

We would like to thank you, in advance, for becoming part of the EIA and public participation processes and are looking forward to receiving your comments on the proposed project.

Yours sincerely



Frank van der Kooy (PriSciNat)
HOD and Manager Lidwala SA

Documents included: Background Information Document (BID)
Registration and Comment Form

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Geagte Belangstellende en/of Geaffekteerde Party

UITNODIGING VIR DEELNAME: OMGEWINGSIMPAKSTUDIE INSLUITENDE 'N GEÏNTEGREERDE WATER LISENSIE AANSOEK VIR DIE VOORGESTELDE 1 GW UPINGTON SONKRAGAANLEG, NOORD KAAP PROVINSIE
(DO Verwysingsnommer: 14/12/16/3/3/2/588)

Lidwala Raadgewende Ingenieurs (SA) (Edms) Bpk (Lidwala SA) is deur CEF (SOC) Ltd aangestel om 'n omgewingsimpakstudie (OIS) te onderneem, in terme van die Staatskennisgewing R543, R544 en R545 van die Nasionale Wet op Omgewingsbestuur (NEMA, WET 107 van 1998). Die voorgestelde 1GW Upington Sonkragaanleg is geregistreer by die Departement van Omgewingsake (DO) onder verwysingsnommer DO. 14/12/16/3/3/2/588.

Die voorgestelde projek behels die ontwikkeling van 'n Sonkragaanleg in die //Khara Hais munisipale gebied (Upington), in die Noord Kaap Provinsie. Die Sonkragaanleg sal 1 GW sonkrag elektrisiteit genereer. Die terrein wat ondersoek word vir die voorgestelde sonkrag fasiliteit dek 'n benaderde oppervlakte van meer as 5011 ha; alhoewel die eintlike ontwikkeling voetspoor van die voorgestelde sonkragaanleg nog bepaal moet word deur middel van konseptuele ingenieurswese en ontwerp. Die aangehegte Agtergrondinligtingsdokument (AID) bevat meer inligting oor die voorgestelde Sonkragaanleg projek.

CEF (SOC) Ltd moet 'n Omgewingsmagtiging en toepaslike lisensies bekom voor die aanvang van die voorgestelde projek, soos vereis in terme van die bepalings van die NEMA en ander toepaslike wetgewing. Ten einde 'n omgewingsmagtiging en toepaslike lisensies te verkry, moet 'n Omgewingsimpakstudie (OIS) onderneem word.

Ingevolge seksie 21 (b), (c), (e), (f), (g) en (i) van die Nasionale Water Wet (Wet No. 36 van 1998)(NWA), sal die voorgestelde Sonkragaanleg en geassosieerde infrakstruktuur ook 'n Geïntegreerde Water Gebruik Lisensie vereis (IWUL).

Die projek span wil u graag uitnooi om, as 'n belangstellende en/of geaffekteerde party (B&GP), betrokke te raak by die OIS en publieke deelname prosesse van die voorgestelde projek. Die doel van hierdie proses is om te verseker dat die omgewingsimpakte wat met die projek gepaardgaan, in ag geneem en versag word, om te verseker dat die publiek aktief betrokke is deur insette te lewer oor die voorgestelde projek en om te verseker dat besluitnemers oor voldoende inligting beskik om 'n ingeligte besluit te neem op die voorgestelde aktiwiteite wat verband hou met die projek.

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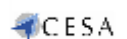
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Mrs Mausley Pilane (Non-Executive)



U KOMMENTAAR IS BELANGRIK

U word hiermee uitgenooi om formeel te registreer as 'n belangstellende en/of geaffekteerde party (B&GP) en om deel te neem in die OIS-proses deur die voltooiing van die registrasie en kommentaar vorm, ingesluit met die Agtergrondinligtingsdokument (AID). U is welkom om kommentaar te lewer oor die AID in enige van die volgende maniere:

- Deur U voltooide registrasie en kommentaar vorm in te dien by Lidwala SA
- 'n Brief te skryf en aan ons te rig
- Deur e-pos, faks of skakel die Publieke Deelname Kantoor

U word versoek om die registrasie en kommentaar vorm te gebruik om u voorkeur metode van kennisgewing en enige direkte besigheids of ander belange wat u mag hê in die Omgewingsmatiging proses, aan te dui. Verskeie geleenthede sal verskaf word tot u beskikking om bydraes te lewer tydens die OIS-proses binne die bepaalde tydsraamwerke, en u sal vooraf kennisgewing van hierdie geleenthede ontvang nadat u geregistreer het.

Ons wil u graag vooruit bedank vir u deelname in die OIS en Publieke Deelname prosesse en sien daarna uit om u kommentaar te ontvang ten opsigte van die voorgestelde projek.

Die Uwe



Frank van der Kooy (PrSciNat)
HOD and Manager Lidwala SA

Dokumente ingesluit is: Agtergrondinligtingsdokument (AID)
Registrasie en Kommentaar vorm



energy
Department:
Energy
REPUBLIC OF SOUTH AFRICA

**ENVIRONMENTAL IMPACT ASSESSMENT PROCESS INCLUDING
AN INTEGRATED WATER USE LICENSE APPLICATION FOR THE
PROPOSED 1 GW UPINGTON SOLAR PARK WITHIN THE //KHARA HAIS
MUNICIPALITY, NORTHERN CAPE PROVINCE**

DEA Reference Number: 14/12/16/3/3/2/588

BACKGROUND INFORMATION DOCUMENT

WHAT DOES THIS DOCUMENT TELL YOU?

The purpose of this Background Information Document (BID) is to provide Interested and/or Affected Parties (I&APs) with background information about the proposed 1GW Upington Solar Park and the EIA process application processes to be undertaken. It also gives guidance to I&APs on how they can participate in the proposed EIA process for the Upington Solar Park, receive information as the EIA process progresses, and raise comments and/or concerns regarding the potential environmental impacts with respect to the proposed project. You are hereby invited to register as an I&AP by completing and submitting the attached "Comments and Registration" sheet.

This BID document will help you to:

- Determine if you have interest in and/or affected by the proposed project;
- Better understand the project in order to be able to add value to the project by fully participating and provide comments on the proposed project; and
- Understand the EIA process and ensure that you are able to participate effectively

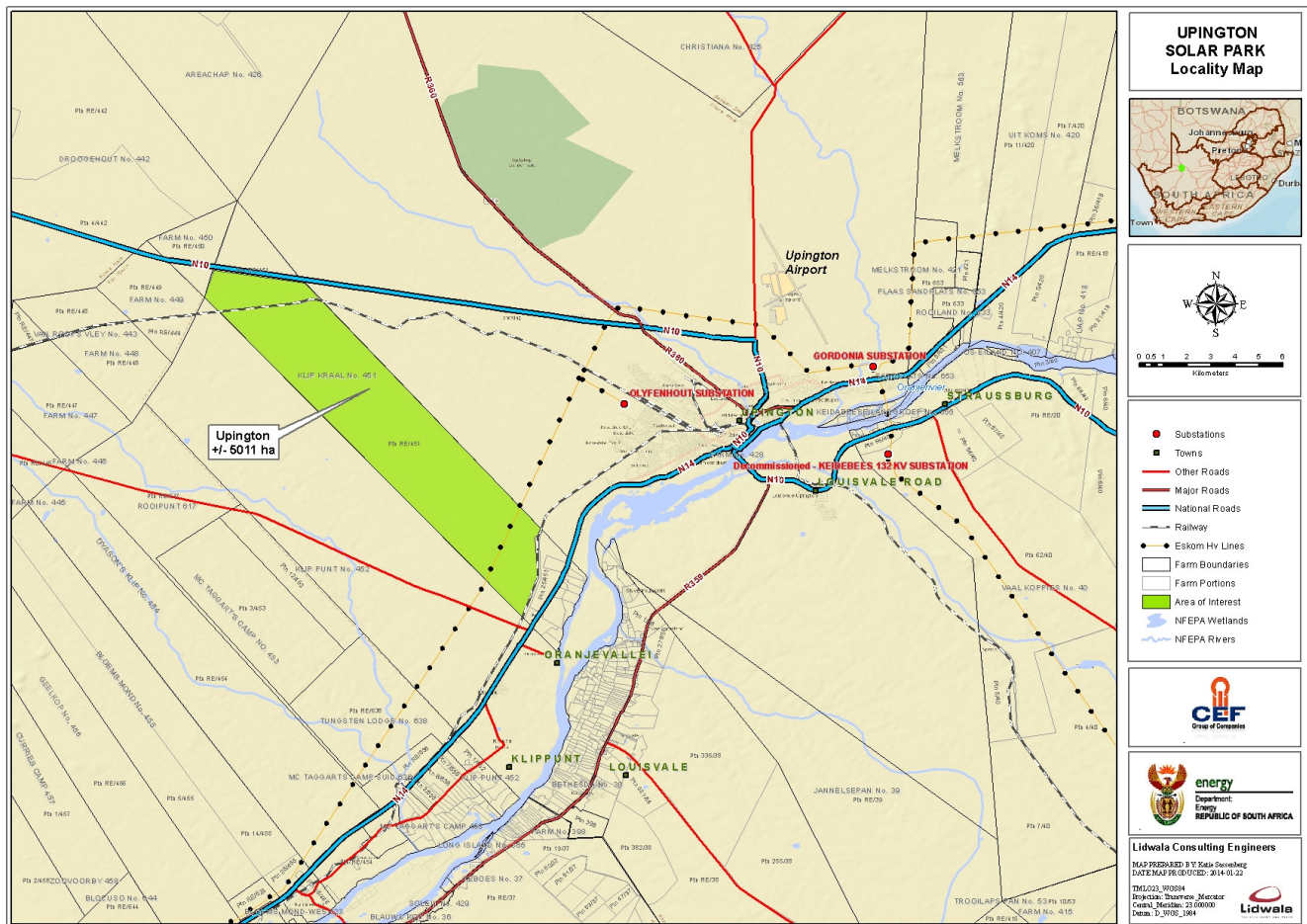
WHAT DOES THE 1 GW UPINGTON SOLAR PARK PROJECT ENTAIL?

CEF (SOC) Ltd on behalf of the Department of Energy proposes the establishment of a 1GW Solar Park in the //Khara Hais Municipality (Upington) in the Northern Cape Province. The proposed Solar Park is about 10 km west of Upington on the remaining extent of Farm Klipkraal 451, within the jurisdiction of the //Khara Hais Local Municipality.

The proposed Solar Park Initiative is envisaged to make use of different Solar Technologies which among others could include photovoltaic (PV), Concentrating Solar Power (CSP) and Parabolic trough solar thermal power generation technologies with a total generating capacity of 1 GW. The feasibility study currently being conducted (Arup (Pty) Ltd) on this site will inform the selection and recommendations on technologies to be used.

The following figure shows the location of the proposed site for the 1GW Solar Park //Khara Hais Local Municipality (Upington).

Figure 1: Locality of the proposed 1 GW Upington Solar Park.



The nature and extent of a Solar Park

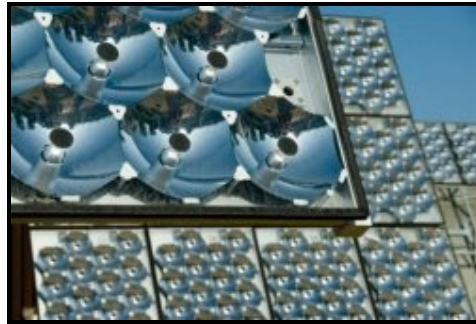
A Solar park is a concentrated zone that includes multiple mega-watts of solar electricity generation capacity. In a Solar park, one or more blocks of land are designated and pre-permitted as a concentrated zone for the application of solar electricity generation technologies. Individual solar plants are constructed on the land in a clustered formation and on a predictable timeline, sharing common transmission and infrastructure facilities. The Prefeasibility Study conducted in 2010 by Clinton Climate Initiative on behalf of the Department of Energy identified six potential sites in Northern Cape Province to develop the proposed project due to its high Direct Normal Irradiation (DNI).

The larger site under investigation for the proposed Solar Park covers an approximate area of over 5011 ha, however, the final shape and design of the footprint is still to be determined through conceptual engineering and design. Different solar technologies and the associated infrastructure will be appropriately placed within the boundaries of the broader site to avoid any impact on the identified environmental sensitive areas.

Technologies to be investigated for this site are outlined below:

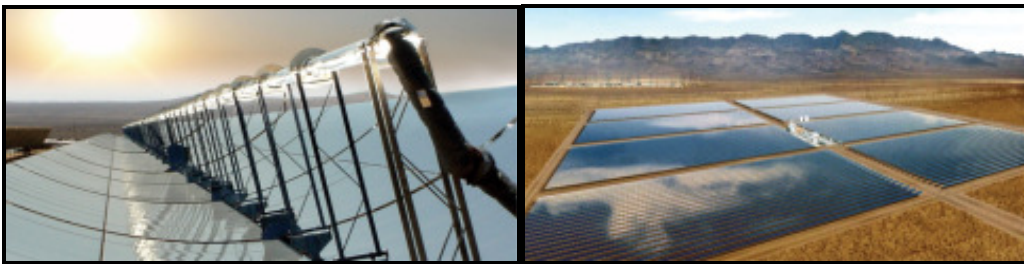
PV/CPV solar power generation for peak load application

Concentrated photovoltaic (CPV) systems employ sunlight concentrated onto photovoltaic surfaces for the purpose of electrical power production. Solar concentrators of all varieties may be used, and these are often mounted on a solar tracker in order to keep the focal point upon the cell as the Sun moves across the sky. Concentrated photovoltaic (CPV) is generally installed in "solar farms" and uses reflective or transmissive optics—either mirrors or Fresnel lenses—that concentrate light rays (photons) from the sun onto a photovoltaic (PV) module to increase its conversion efficiency. The photons, which are individual quantum units of light energy, are directly converted into electricity by the PV module.



Parabolic trough solar thermal power generation for mid-merit application

A parabolic trough power plant consists basically of a solar field and a conventional power block. Parabolic trough-shaped mirrors in the solar field concentrate the incident solar radiation onto an absorber tube located in the focus line of the collector. A heat transfer fluid inside the absorber tube is heated by the absorbed solar radiation and produces steam in the power block by means of heat exchangers. From there, the steam is fed into a turbine to generate electricity in the same way it is done in conventional power plants. With an integrated thermal energy storage system, the supply of electricity can be stored and made available in a plan able manner.



Central receiver solar thermal power generation for mid-merit application

Concentrating Solar Power (CSP) technologies use mirrors to concentrate (focus) the sun's light energy and convert it into heat to create steam to drive a turbine that generates electrical power. CSP technology utilizes **focused sunlight**. CSP plants generate electric power by using mirrors to concentrate (focus) the sun's energy and convert it into high-temperature heat. That heat is then channelled through a conventional generator. The plants consist of two parts: one that collects solar

energy and converts it to heat, and another that converts the heat energy to electricity



WHAT ARE THE POTENTIAL ENVIRONMENTAL IMPACTS ASSOCIATED WITH THE PROPOSED PROJECT?

A number of potential environmental impacts associated with the proposed project are anticipated. As part of the EIA, these potential impacts will be assessed through the following specialist studies, with the allocated specialists who will conduct the study:

Specialist Study	Organisation and or Specialist Responsible for the Study
Heritage Impact Assessment	J A van Schalkwyk
Social Impact Assessment	Lidwala Consulting Engineers (SA)
Impacts on flora	Simon Todd Consulting
Impacts on fauna	Simon Todd Consulting
Impacts on soils & agricultural potential	Agricultural Research Council
Impacts on surface water	Lidwala Consulting Engineers (SA)
Impacts on groundwater	SLR Consulting
Impacts due to noise	Francois Malherbe Acoustic Consultants
Impacts on avifauna	Simon Todd Consulting
Visual impact assessment	Aurecon
Impacts on traffic	Lidwala Consulting Engineers (SA)
Impact on Palaeontology	Natura Viva

As part of the Scoping Study, desktop specialist studies will identify potential issues which require further investigation within the EIA phase including potential additional studies that may be required. Input from I&APs through the public participation process also provides valuable input in the identification of issues requiring investigation within this EIA process. More detailed studies on potentially significant impacts will be investigated further in the EIA phase of the project for each identified aspect.

WHY ARE ENVIRONMENTAL STUDIES NEEDED?

In terms of the Environmental Impact Assessment (EIA) Regulations (2010), CEF (SOC) Ltd requires authorisation from the National Department of Environmental Affairs (DEA) for the undertaking of the proposed project. The EIA Regulation is published in Government Notice R543 of 2 August 2010 in terms of Section 24 (5) of the National

Environmental Management Act (Act No. 107 of 1998); the listed activities are set out in Government Notices R544 to R546. In order to obtain an environmental authorisation for this project, comprehensive, an independent environmental studies must be undertaken in accordance with the EIA Regulation.

An EIA is a legislative tool that is used to ensure that potential impacts that may occur due to any proposed development are identified before execution, and can therefore either be avoided or mitigated (minimised). In South African legislation the environment includes social, economic and bio-physical aspects (and their interactions) and the EIA must assess these equitably.

Table 1 below shows the listed activities that are triggered by the development. Should you wish to obtain a detailed description of these activities, please contact the Public Participation office (with details provided below).

Table 1: Listed Activities

NEMA	No. R. 544	9	11	12	18	22	55A
	No. R. 545	1	3	5	8	15	
	No. R. 546	14					

Water Use Licence

In terms of Section 21 (b), (c), (e), (f), (g) and (i) of the National Water Act, 1998 (Act No. 36 of 1998) (NWA), the proposed Solar Park and associated infrastructure will also require an Integrated Water Use Licence (IWUL).

CEF (SOC) Ltd has appointed Lidwala Consulting Engineers (SA) (Pty) Ltd, as an Environmental Assessment Practitioners (EAP), to undertake an Environmental impact assessment studies to identify and assess all potential environmental impacts associated with the proposed project. In terms of the EIA regulation, all I&APs are invited to actively participate through the public participation process.

The EIA process is divided into 4 distinct phases:

Application and Initial Notification

During this phase an application for authorisation need to be submitted to the National Department of Environmental Affairs (DEA). Once DEA acknowledges the EIA application (within 14 days of submission of application), an initial notification process takes place whereby the public is informed of the proposed development through *inter alia*, newspaper adverts, notification letters, BIDs and site notices.

Scoping phase

The purpose of the scoping phase is:

- To undertake an environmental screening of the surrounding area in order to identify whether suitable alternative sites exist;

- To investigate and gather information on the proposed alternative sites, technologies and the study area in order to establish an understanding of the area;
- To establish how the proposed development activities will potentially impact on the surrounding environment;
- To identify I&APs and relevant authorities by conducting a Public Participation Process (PPP);
- To identify potential environmental impacts that require detailed assessment at EIA phase, through investigation and PPP; and
- To describe and investigate the alternatives that may be considered.

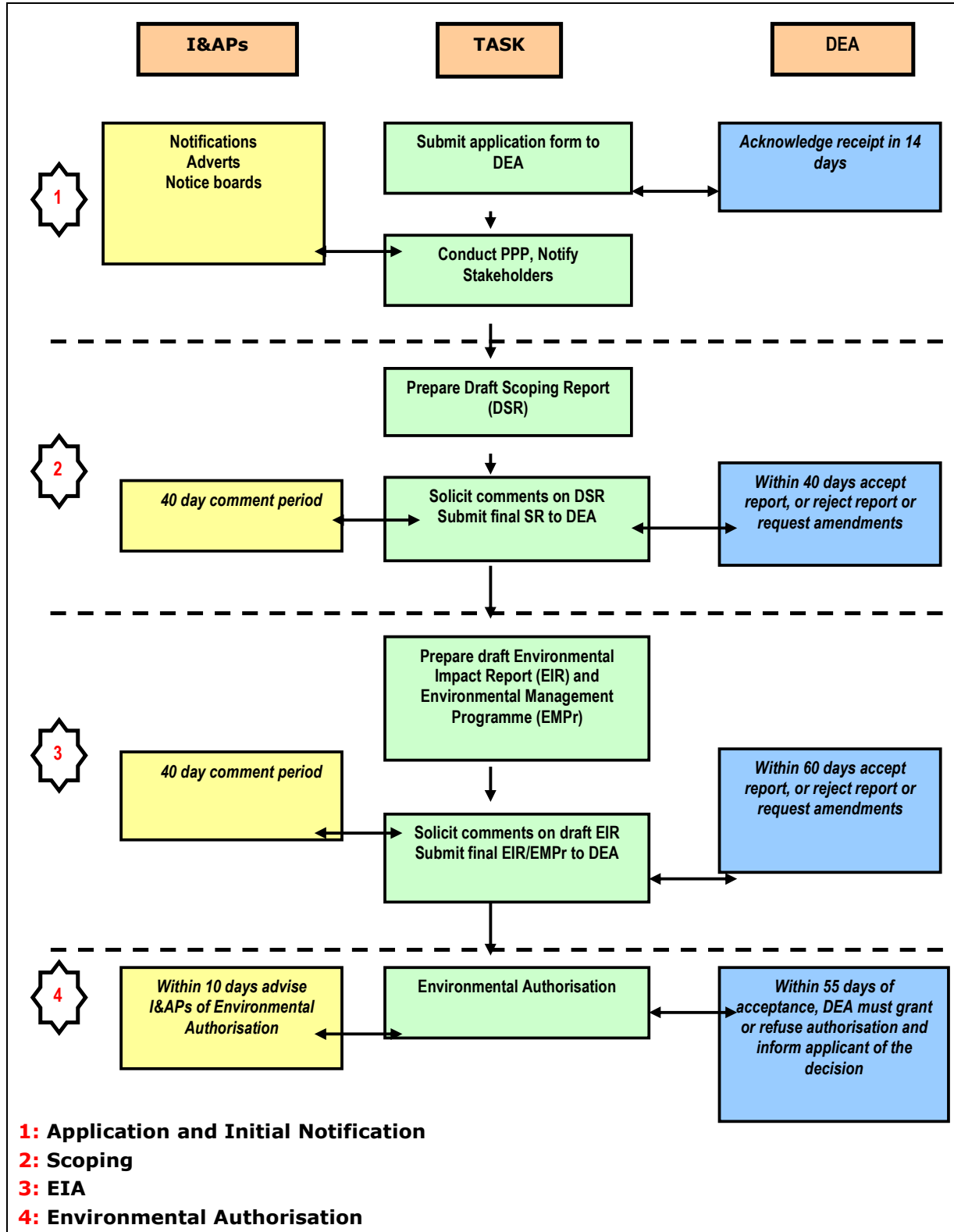
EIA phase

During this phase all issues and proposed alternatives identified in the scoping phase are assessed and rated in terms of their significance. Where necessary, mitigation measures are recommended to reduce the significance of potential impacts. An Environmental Management Programme will then be compiled that will prescribe environmental specifications to be adhered to during the construction, operational and decommissioning phases of the project, should the environmental authorisation be granted. As with the scoping phase, the PPP is an integral and important part of the assessment phase. Once the Final Environmental Impact Report has been submitted to DEA, the decision making process will commence.

Environmental Authorisation

Due to the fact that the proposed project encompasses listed activities in NEMA, an Environmental Authorisation (EA) in terms of NEMA is required. It is intended that CEF (SOC) Ltd. will receive an environmental authorisation for the development of this proposed project. The EIA process to be undertaken is represented diagrammatically in Figure 2.

Figure 2: EIA Process



PUBLIC PARTICIPATION PROCESS

It is important that relevant I&APs are identified and involved in the public participation process from the outset of the proposed project. The inputs received from I&APs form an integral part of the EIA process and will also assist the decision-making authority, DEA, with their decision-making. To ensure effective public participation, the process includes the following steps:

- STEP 1: Advertise the EIA Process (local/community newspapers)
- STEP 2: Register I&APs and key stakeholders on the database (on-going)
- STEP 3: Consultation with, and transfer of information to, I&APs through consultation, public meetings, focus group meetings and key stakeholder workshops
- STEP 4: Record and respond to all comments, issues and concerns raised by I&APs within an issues trail, which will form an integral part of EIA Reports
- STEP 5: Invite I&AP comment and input on the draft Scoping and EIA reports (40-day comment period)

HOW CAN YOU GET INVOLVED?

1. By responding (by phone, fax or e-mail) to our invitation for your involvement which has been advertised in local newspapers.
2. By mailing, faxing or e-mail the attached comment form to Lidwala SA.
3. By attending the meetings to be held during the course of the project. Should you register as an I&AP you will be invited to attend these meetings. The meeting dates will also be advertised in local newspapers.
4. By telephonically contacting Lidwala if you have a query, comment or require further project information.
5. By reviewing the draft Scoping and EIA reports within the 40-day review periods and sending your comments to Lidwala (*It should be noted that one can still review the documentation outside this 40-day window*).

If you consider yourself an I&AP for this proposed project, we urge you to make use of the opportunities created by the public participation process to become involved in the process. Your input into this process forms a key part of the environmental studies and we would like to hear from you to obtain your views on the proposed project.


By completing and submitting the accompanying response form, you automatically register yourself as an I&AP for this project, and ensure that your comments, concerns or queries raised regarding the project will be addressed.

This BID is also available in Afrikaans.

COMMENTS, QUERIES AND RESPONSES


Direct all comments, queries and responses to:


Lidwala Consulting Engineers (SA) (Pty) Ltd


 P.O. Box 32497, Waverley, 0135

ATTENTION:

Irmé Van Zyl or Bongji Mhlanga

 Phone: 0861 543 9252/ 072 222 6194

 Fax: 086 764 9282

 E-mail: upingtonsolarpark@lidwala.com

 Website: www.lidwala.com

**OMGEWINGSIMPAKSTUDIE PROSES
INSLUITENDE GEÏNTEGREERDE WATER LISENSIE AANSOEK VIR DIE
VOORGESTELDE 1 GW UPINGTON SONKRAGAANLEG, TE //KHARA HAIS
PLAASLIKE MUNISIPALITEIT, NOORD KAAP PROVINSIE**

DO Verwysingsnommer: 14/12/16/3/3/2/588

AGTERGRONDINLIGTINGSDOKUMENT

WAT SÊ HIERDIE DOKUMENT VIR U?

Die doel van hierdie Agtergrondinligtingsdokument (AID) is om Belangstellende en/of Geaffekteerde partye (B&GP's) te voorsien van agtergrondinligting oor die voorgestelde 1 GW Upington Sonkragaanleg en die Omgewingsimpakstudie (OIS)-proses wat gevolg moet word. Dit is ook om leiding te gee aan B&GP's oor hoe hulle kan deelneem aan die projek, inligting kan ontvang namate die OIS-proses vorder en kommentaar en/of knelpunte kan opper betreffende die potensiële omgewingsimpakte van die projek op die omgewing. Dit is teen hierdie agtergrond dat u hiermee uitgenooi word om as 'n B&GP te registreer deur die meegaande kommentaar- en registrasievorm in te vul en terug te stuur.

Hierdie AID dokument sal u help om:

- Te bepaal of u belangstel en/of geraak word deur die voorgestelde projek;
- Die projek te verstaan en sodoende in staat te kan wees om waarde toe te voeg aan die projek deur volle deelname en kommentaar te lewer op die voorgestelde projek.; en
- Die OIE- proses te verstaan en verseker dat u in staat is om effektief deel te kan neem.

WAT BEHELS DIE VOORGESTELDE 1 GW UPINGTON SONKRAGAANLEG?

CEF (SOC) Ltd stel namens die Departement van Energie die vestiging van 'n 1 GW Sonkragaanleg in //Khara hais Plaaslike Munisipaliteit (Upington) voor in die Noord-Kaap Provinsie. Die Sonkragaanleg word voorgestel 10 km Wes van Upington, op die Restant van die plaas Klipkraal 451. Die voorgestelde Sonkragaanleg inisiatief beplan om gebruik te maak van verskillende sonkrag-tegnologieë wat onder andere kan insluit Fotovoltaïese (FV), Gekonsentreerde Sonkrag (GSK) en Paraboliese Trôe Sonkrag termiese kragopwekking tegnologieë met 'n totale opwekkingsvermoë van 1 GW. Die lewensvatbaarheidstudie wat tans op die terrein deur Arup (Edms) Beperk gedoen word sal die seleksie en aanbevelings inlig oor die tegnologieë wat gebruik kan word. Die studie area is geleë binne die jurisduksie van die //Khara Hais plaaslike Munisipaliteit.

DIE AARD EN OMVANG VAN 'N SONKRAGAANLEG

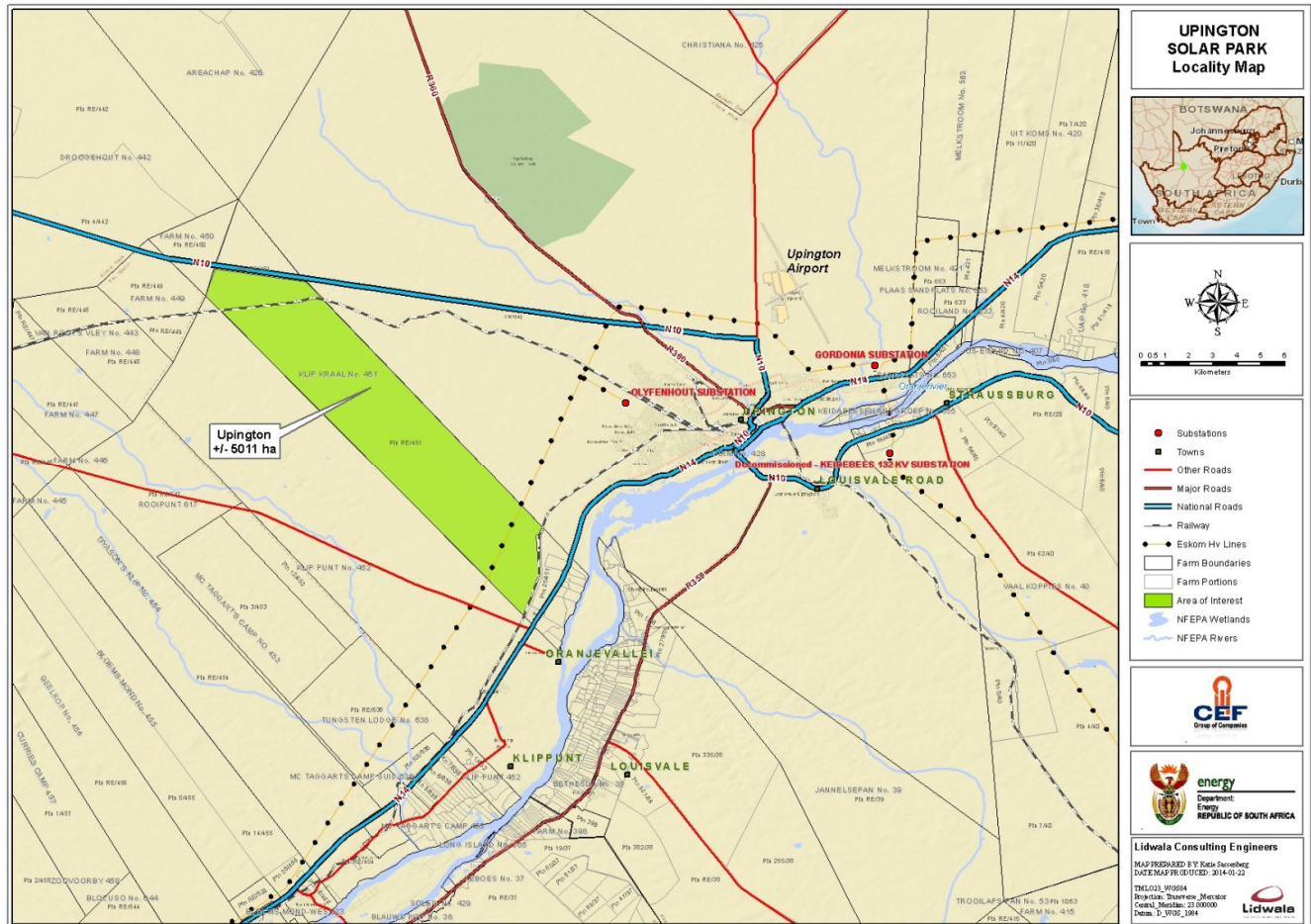
'n Sonkragaanleg is 'n gekonsentreerde sone wat veelvuldige mega-watt sonkrag elektrisiteit opwekkingskapasiteit insluit. In 'n Sonkragaanleg is een of meer gedeeltes van die land aangewys en toegelaat as 'n gekonsentreerde sone vir die toepassing van sonkrag elektrisiteitsopwekking tegnologieë. Individuele sonkrag aanlegte word gebou op die land in 'n saamgegroepeerde formasie en op 'n voorspelbare tydlyn, dit deel ook gemeenskaplike transmissie en infrastruktuur fasiliteite.

Die 2010 Clinton Klimaat Inisiatief het 'n voorlewendvatbaarheidstudie gedoen namens die Departement van Energie, en het ses potensiële terreine in die Noord Kaap geïdentifiseer om die voorgestelde projek te ontwikkel, te danke aan hoë Direkte Normale Uitstraling.

Die terrein wat ondersoek word vir die voorgestelde sonkragaanleg beslaan 'n benaderde oppervlakte van meer as 5011 ha, alhoewel die eintlike ontwikkelingsvoetspoor van die voorgestelde sonkragaanleg nog bepaal moet word deur middel van konseptuele ingenieurswese en ontwerp. Verskillende sonkrag tegnologieë en die gepaardgaande infrastruktuur sal toepaslik geplaas word binne die grense van die breër terrein, om enige impakte op die geïdentifiseerde sensitiewe gebiede te vermy in die omgewing.

Die Sonkragaanleg word voorgestel 10 km Wes van Upington, op die Restant van die plaas Klipkraal 451. Die volgende figuur hieronder illustreer die ligging van die voorgestelde terrein vir die 1 GW Sonkragaanleg //Khara Hais Plaaslike Munisipaliteit (Upington).

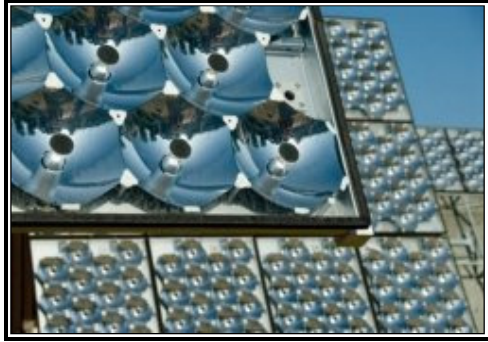
Figuur 1 Illustreer die ligging van die voorgestelde 1 GW Upington Sonkragaanleg.



Sommige van die tegnologieë wat vir hierdie terrein ondersoek word, word hieronder uiteengesit:

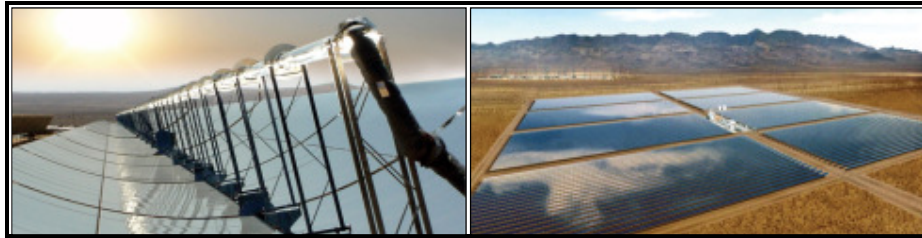
FV/KFV sonkrag generasie vir piek-lading aanvraag

Konsentreerende Fotovoltaïese (KFV) stelsels konsentreer sonlig op fotovoltaïese oppervlakte vir die doel van elektriese krag produksie. Verskeie Sonkrag konsentreerders kan gebruik word; en dit is dikwels gemonteer op 'n sonkrag-naspoorder ten einde die fokuspunt te hou op die sel soos die son deur die lug beweeg. Gekonsentreerde Fotovoltaïese (KFV) stelsels word in die algemeen geïnstalleer in "sonkrag plase" en maak gebruik van reflektiewe of bren optika- hetsy spieëls of Fresnel lens wat ligstrale (fotone) van die son konsentreer op 'n fotovoltaïese (FV) module om sy omskakeling effektief te verhoog. Die fotone, wat individuele quantum eenhede van lig-energie is, word direk omskep in elektrisiteit deur die FV module.



Paraboliese Trôe sonkrag termiese kragopwekking vir die middel-meriete aanvraag

'n Paraboliese Trôe kragaanleg bestaan basies uit 'n sonkrag-veld en 'n konvensionele kragblok. Paraboliese trog-vormige spieëls in die sonkrag-veld konsentreer die bestraling van son op 'n ontvangerbuis wat geleë is binnekant die fokuslyn van die ontvanger. 'n Werkingsvloeistof binne die ontvangerbuis word verhit deur die geabsorbeerde sonstraling en produseer dan stoom in die kragblok deurmiddel van hitte-uitruilers. Van daar af word die stoom gevoer in 'n turbine om elektrisiteit op te wek in dieselfde manier waarop dit gedoen word by konvensionele kragaanlegte. Met 'n geïntegreerde termiese energie stoorstelsel, kan die voorsiening van elektrisiteit gestoor en beskikbaar gestel word in 'n beplanbare wyse.



Sentraal Ontvanger sonkrag termiese kragopwekking vir die middel-meriete aanvraag

Gekonsentreerde Sonkrag (GSK). aanlegte genereer elektriese krag deur die gebruik van spieëls om die son se energie te konsentreer (fokus) en te omskep in 'n hoë-temperatuur hitte. Daardie hitte word dan gekanaliseer deur middel van 'n konvensionele kragopwekker. Die aanlegte bestaan uit twee dele: een wat sonkrag versamel en dit omskakel na hitte; en 'n ander wat die hitte-energie omskakel na elektrisiteit.



WAT IS DIE POTENSIËLE OMGEWINGSIMPakte WAT MET DIE VOORGESTELDE PROJEEK GEPAARD GAAN?

Na verwagting sal daar 'n aantal potensiële omgewingsimpakte wees wat met die voorgestelde projek gepaard gaan. As deel van die OIS, sal hierdie potensiële impakte deur die volgende spesialisstudies geëvalueer word, met die toegekende spesialiste wat die studie sal doen:

Spesialisstudie	Instansie wat die studie onderneem
Impakte op grondwater	SLR Consulting
Impakte op oppervlakwater	Lidwala Raadgewende Ingenieurs (SA)
Impakte op flora	Simon Todd Consulting
Impakte op fauna	Simon Todd Consulting
Impakte op grond & landbou potensiaal	Landbou Navorsingsraad
Impakte op erfenis hulpbronne	J A van Schalkwyk
Sosiale impak assessering	Lidwala Raadgewende Ingenieurs (SA)
Geraasimpakte	Francois Malherbe Acoustic Consultants
Impakte op avifauna	Simon Todd Consulting
Visuele impakevaluering	Aurecon
Impakte op verkeer	Lidwala Raadgewende Ingenieurs (SA)
Impakte op Paleontologie	Natura Viva

As deel van die Bestekopnamestudie sal kantoor/tafel (desktop) spesialisstudies potensiële kwessies, wat ten tyde van die OIE-fase verdere ondersoek mag verg, identifiseer. Dit sluit die identifisering van verdere potensiële studies in. Insette van B&GP's deur die openbare deelnameproses bied ook waardevolle insette om kwessies te identifiseer wat ondersoek in die OIS-proses verg. Meer gedetailleerde studies oor wesenlike potensiele impakte sal tydens die projek se OIS-fase vir elke geïdentifiseerde aspek verder ondersoek word.

WAAROM WORD OMGEWINGSTUDIES VERLANG?

Ingevolge die Regulasies op Omgewingsimpakstudie (OIS-regulasies) (2010), verlang CEF (SOC) LTD magtiging van die Nasionale Departement van Omgewingsake (DO) om die voorgestelde projek te onderneem. Die OIS-regulasies, gepubliseer in Staatskennisgewing R543 van 2 Augustus 2010 in terme van Artikel 24 (5) van die Wet op Nasionale

Omgewingsbestuur (Wet No 107 van 1998); is die volgende gelyste aktiwiteite uiteengesit in Staatskennisgewing R544 tot R546. Ten einde 'n omgewingsmagtiging vir hierdie voorgestelde projek te bekom, moet omvattende, onafhanklike omgewingstudies ingevolge die OIS-regulasies onderneem word.

'n OIS is 'n wetlike hulpmiddel wat geïmplementeer word om te verseker dat potensiële impakte wat kan voortspruit uit die voorgestelde ontwikkeling, geïdentifiseer word alvorens dit onderneem word, dus kan dit hetsy vermy of versag (geminimaliseer) word. Onder Suid-Afrikaanse wetgewing sluit die omgewing maatskaplike, ekonomiese en biofisiese aspekte (en hulle interaksies) in en die OIS moet dit onpartydig evalueer.

Tabel 1 hieronder toon die aantal gelyste aktiwiteite wat deur die ontwikkeling geaktiveer word. Indien u 'n volledige lys van hierdie aktiwiteite verlang, moet u asseblief met die Openbare Deelnamekonsultante in verbinding tree (besonderhede hieronder verskaf).

Tabel 1: Gelyste Aktiwiteite

NEMA	No. R. 544	9	11	12	18	22	55A
	No. R. 545	1	3	5	8	15	
	No. R. 546	14					

Water Lisensie Aansoek

Ingevolge seksie 21 (b), (c), (e), (f), (g) en (i) van die Nasionale Water Wet (Wet No. 36 van 1998)(NWA), sal die voorgestelde Sonkragaanleg en geassosieerde infrakstruktuur ook 'n Geïntegreerde Water Gebruik Lisensie (IWUL) vereis.

CEF (SOC) Ltd het Lidwala Raadgewende Ingenieurs (SA) (Edms.) Bpk. aangestel as Omgewingsevalueringskonsultante (OEK) om die omgewingstudies te onderneem ten einde alle potensiële omgewingsimpakte wat met die voorgestelde projek gepaard gaan, te identifiseer en te evalueer. As deel van hierdie omgewingstudies, word alle B&GP's uitgenooi om aktief betrokke te raak deur die openbare deelnameproses.

Die OIS kan in die volgende vier definitiewe fases opgedeel word:

Aansoek en aanvanklike kennisgewing

Tydens hierdie fase word 'n aansoek om magtiging by die Nasionale Departement van Omgewingsake (DO) gebring. Sodra die DO die OIS erken (binne 14 dae), tree 'n aanvanklike kennisgewingsproses in werking wat die publiek verwittig van die voorgestelde ontwikkeling aan die hand van, onder andere, koerantadvertensies, kennisgewingsbriewe, AID's en kennisgewingborde.

Bestekopnamefase

Die doel van die bestekopnamefase is om:

- n Omgewingsiftingsproses van die omliggende gebied te onderneem ten einde te identifiseer of geskikte alternatiewe terreine bestaan;

- Inligting oor die voorgestelde alternatiewe terreine, tegnologie en die studiegebied te versamel en te ondersoek om 'n begrip van die gebied te vorm;
- Vas te stel hoe die voorgestelde ontwikkelingsaktiwiteite die omliggende omgewing kan raak;
- Belangstellende en Geaffekteerde Partye (B&GP's) en tersaaklike owerhede te identifiseer deur 'n Openbare Deelnameproses (ODP) te onderneem;
- Potensiële omgewingsimpakte te identifiseer wat 'n gedetailleerde evaluering tydens die OIS-fase, deur ondersoek en die ODP verlang; en
- Die alternatiewe wat oorweeg kan word, te beskryf en te ondersoek.

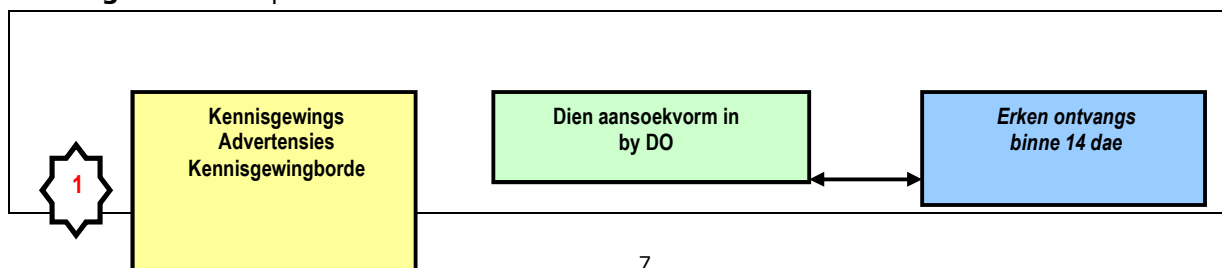
OIS- fase

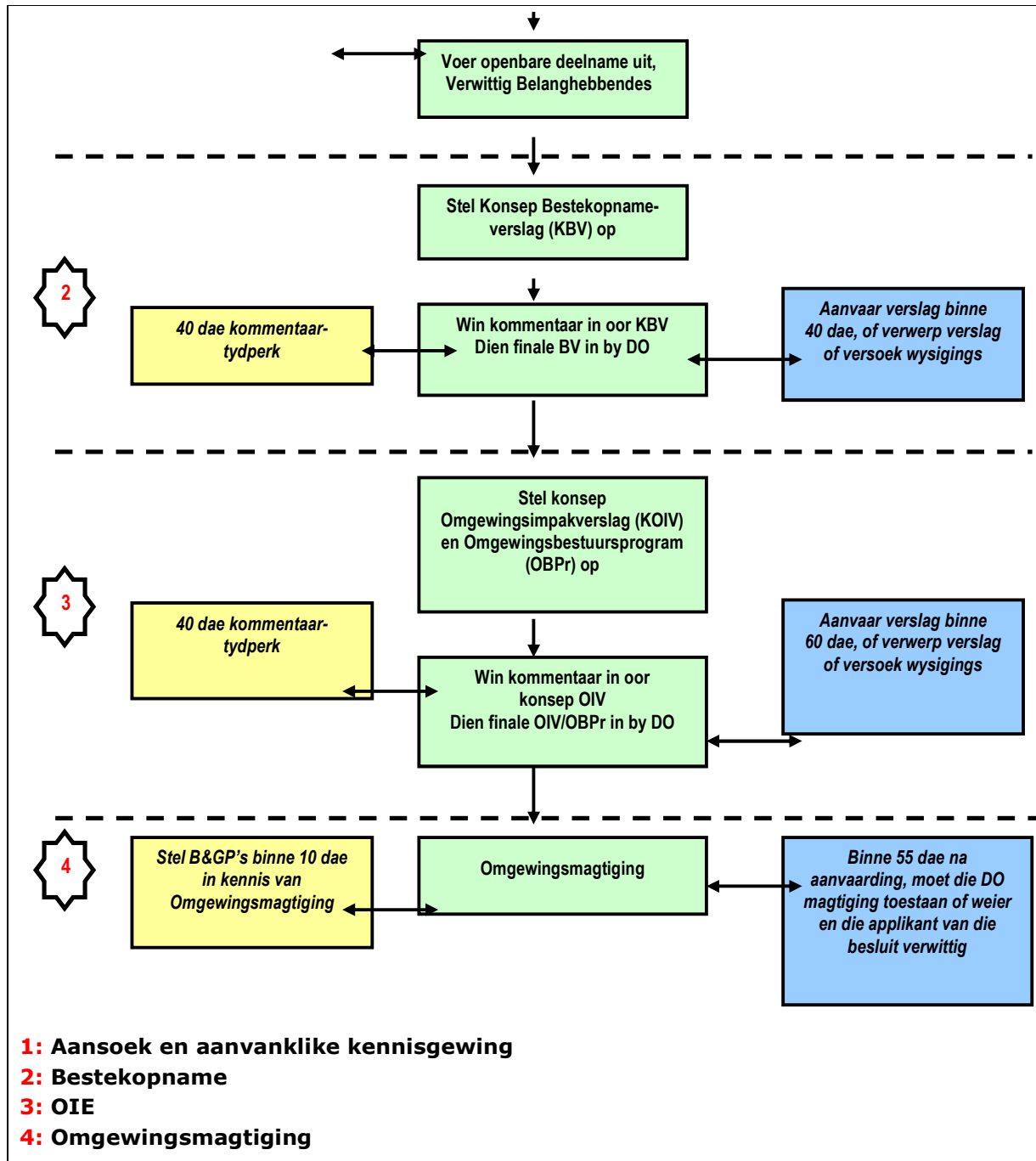
Tydens hierdie fase word alle vraagstukke en voorgestelde alternatiewe wat tydens die bestekopnamefase geïdentifiseer is, geëvalueer en in volgorde van belang getakseer. Waar nodig, word versagtende maatreëls aanbeveel om die omvang van die potensiële impakte te beperk. 'n Omgewingsbestuursprogram (OBPr) sal dan saamgestel word wat die omgewingspesifikasies sal voorskryf waaraan voldoen moet word tydens die konstruksie-, bedryfs- en uitbedryfstellingsfases van die projek, sou die Omgewingsmagtiging toegestaan word. Soos in die bestekopnamefase, is die ODP ook 'n integrale en belangrike deel van die evalueringsfase. Sodra die Finale Omgewingsimpakverslag (OIV) by die DO ingedien is, neem die besluitnemingsproses 'n aanvang.

Omgewingsmagtiging

Weens die feit dat die voorgestelde projek gelyste aktiwiteite onder NEMA behels word 'n Omgewingsmagtiging (EA) in terme van NEMA vereis.. Dit word beoog dat CEF (SOC) Ltd 'n omgewingsmagtiging vir die ontwikkeling van hierdie voorgestelde projek sal ontvang. Die OIS-proses word diagrammaties in **Figuur 2** weergegee.

Figuur 2: OIS-proses





OPENBARE DEELNAMEPROSES

Dit is belangrik dat tersaaklike B&GP's uit die staanspoor van die voorgestelde projek geïdentifiseer word en betrokke raak by die openbare deelnameproses. Die insette wat B&GP's lewer vorm 'n integrale deel van die OIS-proses en sal ook die DO, wat die

besluitnemingsowerheid is, van nut wees in hul besluit. Ten einde doeltreffende deelname te verseker, sluit die proses die volgende stappe in:

- STAP 1: Adverteer die OIS-proses (streeks- en plaaslike/gemeenskapskoerante).
- STAP 2: Registreer B&GP's en hoofbelanghebbendes op die databasis (deurlopend)
- STAP 3: Raadpleging met, en oordrag van inligting aan, B&GP's aan die hand van konsultasie, openbare vergaderings, fokusgroepvergaderings en werkwinkels vir hoofbelanghebbendes.
- STAP 4: Teken alle kommentaar, vraagstukke en knelpunte wat deur B&GP's geopper is in 'n vraagstukspoor aan, wat 'n integrale deel van die OIS-verslae sal vorm.
- STAP 5: Nooi B&GP's uit om kommentaar en insette te lewer oor die konsep bestekopname-en OIS-verslag (40-dae kommentaartydperk).

HOE KAN U BETROKKE RAAK?

1. Deur te reageer (telefonies, per faks of e-pos) op ons uitnodiging vir u betrokkenheid wat in streek- en plaaslike koerante geadverteer is.
2. Deur die meegaande kommentaarvorm in te vul en aan Lidwala SA te pos, te faks of te e-pos aan Lidwala SA.
3. Deur die vergaderings by te woon wat gedurende die verloop van die projek gehou sal word. As u as 'n B&GP registreer, sal u outomaties uitgenooi word om hierdie vergaderings by te woon. Datums vir hierdie vergaderings sal ook in plaaslike koerante geadverteer word.
4. Deur telefonies met Lidwala in verbinding te tree indien u 'n navraag of kommentaar het, of meer projekinligting verlang.
5. Deur die konsep Bestekopnameverslag en OIS verslae binne 40-dae oorsigtydperke deur te gaan en u kommentaar aan Lidwala te stuur (*Let wel dat die dokumentasie nog steeds hersienbaar is na die 40-dae perioide*).


Indien u uself as 'n B&GP vir hierdie voorgestelde projek ag, moedig ons u aan om gebruik te maak van die geleentheid wat deur die openbare deelnameproses geskep word vir u betrokkenheid by die proses. U insette in hierdie proses vorm 'n belangrike deel van die omgewingstudies en ons hoor graag van u om u standpunte oor die voorgestelde projek te ontvang.

Deur die meegaande antwoordvorm in te vul en terug te besorg, registreer u uself outomaties as 'n B&GP vir hierdie projek en verseker u dat die kommentaar, knelpunte of navrae wat u betreffende hierdie projek opper, aangespreek sal word.

KOMMENTAAR, NAVRAE EN ANTWOORDE

Rig alle kommentaar, navrae en antwoorde aan:

Lidwala Raadgewende Ingenieurs (SA)

 Posbus 32497, Waverley, 0135

VIR AANDAG:

Irmé Van Zyl of Bongsi Mhlanga

Irmé van Zyl

From: Alwyn@saaea <alwyn@saaea.org>
Sent: 03 February 2014 01:19 PM
To: upingtonsolarpark@lidwala.com
Subject: EIA Upington Solar Park

Kindly include us on your database for information on this project/EIA

Re**g**ards


Alwyn Smith



071 637 8466 www.saaea.org Skype [alwyn.smith3](https://www.skype.com/profile/alwyn.smith3)

"If you have it all under control, you're moving to slow"



Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 03 February 2014 04:37 PM
To: 'Alwyn@saaea'
Subject: RE: EIA Upington Solar Park

Good day Mr Alwyn,

Thank you for registering. You will be added to the list of interested & affected parties. The background information document will be sent to you shortly.

Best Regards,
Irmé van Zyl

Direct all comments, queries and responses to:

Lidwala Consulting Engineers (SA) (Pty) Ltd

📍 P.O. Box 32497, Waverley, 0135

ATTENTION:

Irmé Van Zyl or Bongsi Mhlanga

☎ Phone: 0861 543 9252/ 072 222 6194

☎ Fax: 086 764 9282

✉ E-mail: upingtonsolarpark@lidwala.com

🌐 Website: www.lidwala.com

From: Alwyn@saaea [<mailto:alwyn@saaea.org>]

Sent: 03 February 2014 01:19 PM

To: upingtonsolarpark@lidwala.com

Subject: EIA Upington Solar Park

Kindly include us on your database for information on this project/EIA

ReGards


Alwyn Smith



071 637 8466 www.saaea.org Skype [alwyn.smith3](https://www.skype.com/profile/alwyn.smith3)

"If you have it all under control, you're moving to slow"



Irmé van Zyl

From: Mail Delivery System <MAILER-DAEMON@rrba-ip-smtp-3-1.saix.net>
Sent: 03 February 2014 04:37 PM
To: ibvanzyl@telkomsa.net
Subject: Successful Mail Delivery Report
Attachments: details.txt; Message Headers.txt

This is the mail system at host rrba-ip-smtp-3-1.saix.net.

Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system

<alwyn@saaea.org>: delivery via mail.saaea.org[174.36.117.4]:25: 250 OK

Irmé van Zyl

From: Annalise Olivier <annalise@thirstylyght.co.za>
Sent: 03 February 2014 02:17 PM
To: upingtonsolarpark@lidwala.com
Cc: 'Christo De Beer'
Subject: Registration as an Interested Party

Irmé & Bongji

Please can you add TLM to the list of interested parties ito this project?

Thank you, kind regards

Annalise Olivier

TLM | thirsty light marketing

**An Authorised Philips Lighting Distributor &
Specialist Solar Solutions Provider**

Office Number | +27 (0) 87 805 5293

Mobile Number | +27 (0) 82 775 6538

Email Address | annalise@thirstylyght.co.za

Web Address | www.lightsolutions.co.za

Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 03 February 2014 03:35 PM
To: 'Annalise Olivier'
Cc: 'Christo De Beer'; 'upingtonsolarpark@lidwala.com'; Marinus Boon (MBoon@lidwala.com); Bongsi Mhlanga (BMhlanga@lidwala.com)
Subject: RE: Registration as an Interested Party

Dear Ms Olivier,

Thank you for registering. You will be added to the list.
The background information document will be sent to you shortly.

Best Regards,
Irmé van Zyl

Direct all comments, queries and responses to:

Lidwala Consulting Engineers (SA) (Pty) Ltd

✉ P.O. Box 32497, Waverley, 0135

ATTENTION:

Irmé Van Zyl or Bongsi Mhlanga

☎ Phone: 0861 543 9252/ 072 222 6194

☎ Fax: 086 764 9282

✉ E-mail: upingtonsolarpark@lidwala.com

🌐 Website: www.lidwala.com

From: Annalise Olivier [<mailto:annalise@thirstylight.co.za>]
Sent: 03 February 2014 02:17 PM
To: upingtonsolarpark@lidwala.com
Cc: 'Christo De Beer'
Subject: Registration as an Interested Party

Irme & Bongsi

Please can you add TLM to the list of interested parties ito this project?

Thank you, kind regards

Annalise Olivier

TLM | thirsty light marketing

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Mobile Number | +27 (0) 82 775 6538

Email Address | annalise@thirstylight.co.za

Web Address | www.lightsolutions.co.za

Irmé van Zyl

From: Mail Delivery System <MAILER-DAEMON@rrba-ip-smtp-6-1.saix.net>
Sent: 03 February 2014 03:35 PM
To: ibvanzyl@telkomsa.net
Subject: Successful Mail Delivery Report
Attachments: details.txt; Message Headers.txt

This is the mail system at host rrba-ip-smtp-6-1.saix.net.

Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system

<annalise@thirstylight.co.za>: delivery via
corpmx.worldonline.co.za[196.28.76.14]:25: 250 OK id=1WAJgC-0000YC-50

<christo@thirstylight.co.za>: delivery via
corpmx.worldonline.co.za[196.28.76.14]:25: 250 OK id=1WAJgC-0000YC-50

Irmé van Zyl

From: Christo de Beer <christo@thirstylyght.co.za>
To: 'Irmé van Zyl '
Sent: 04 February 2014 11:59 AM
Subject: Read: Registration as an Interested Party

Your message

To: 'Annalise Olivier'
Cc: 'Christo De Beer'; upingtonsolarpark@lidwala.com; Marinus Boon; Bonggi Mhlanga
Subject: RE: Registration as an Interested Party
Sent: 2014/02/03 03:35 PM

was read on 2014/02/04 11:58 AM.

Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 03 February 2014 06:23 PM
To: 'jonathan.frik@mainstreamrp.com'
Cc: Marinus Boon (MBoon@lidwala.com); Bongi Mhlanga (BMhlanga@lidwala.com)
Subject: Upington Solar Park I&AP Register (Ref 14/12/16/3/3/2/588)

Dear Mr Frick,

Thank you for the sms you sent to be registered as an I&AP.
You will be added to the list of interested & affected parties.
The background information document will be sent to you shortly.

Regarding your comment that the e-mail was not working:
Please note that the e-mail address was tested and found to be working.
You are welcome to use it. Ensure that you type the address correctly.

Best Regards,
Irmé van Zyl

Direct all comments, queries and responses to:

Lidwala Consulting Engineers (SA) (Pty) Ltd

📮 P.O. Box 32497, Waverley, 0135

ATTENTION:

Irmé Van Zyl or Bongi Mhlanga

☎ Phone: 0861 543 9252/ 072 222 6194

☎ Fax: 086 764 9282

✉ E-mail: upingtonsolarpark@lidwala.com

🌐 Website: www.lidwala.com

Irmé van Zyl

From: Jonathan Frick <Jonathan.Frick@mainstreamrp.com>
Sent: 05 February 2014 12:03 PM
To: 'ibvanzyl@telkomsa.net'
Subject: Re: register please

Thanks, Irme

Emails received.

Kind regards
Jonathan

From: Irmé van Zyl [<mailto:ibvanzyl@telkomsa.net>]
Sent: Wednesday, February 05, 2014 09:44 AM
To: Mike Mangnall
Cc: 'Bongi Mhlanga' <BMhlanga@lidwala.com>; 'Marinus Boon' <MBoon@lidwala.com>; Jonathan Frick
Subject: RE: register please

Mr Mangnall,

Thank you very much. Your response is truly appreciated.

Best Regards,
Irmé van Zyl

From: Mike Mangnall [<mailto:Mike.Mangnall@mainstreamrp.com>]
Sent: 05 February 2014 10:59 AM
To: Irmé van Zyl
Cc: Bongi Mhlanga; Marinus Boon; Jonathan Frick
Subject: RE: register please

Hi Irme

His email is Jonathan.Frick@mainstreamrp.com

Regards
Mike

From: Irmé van Zyl [<mailto:ibvanzyl@telkomsa.net>]
Sent: 05 February 2014 10:48
To: Mike Mangnall
Cc: Bongi Mhlanga; Marinus Boon
Subject: RE: register please

Dear Mr Mangnall,

Mr Jonathan Frick of Mainstream Renewable Power SA asked to register as an I&AP. However, mails sent to the email address that he supplied are returning. I sent him a sms regarding this matter but did not receive any response. As you are from the same company, would it be possible to supply an alternate email to enable Lidwala to provide Mr Frick with the required information.

Best Regards,

Irmé van Zyl

From: Irmé van Zyl [<mailto:ibvanzyl@telkomsa.net>]
Sent: 03 February 2014 04:29 PM
To: 'Mike Mangnall'
Cc: Bongsi Mhlanga (BMhlanga@lidwala.com); Marinus Boon (MBoon@lidwala.com)
Subject: RE: register please

Good day Mr Mangnall,

Thank you for registering.
A BID will be sent to you as requested.

Best Regards,
Irmé van Zyl

Direct all comments, queries and responses to:

Lidwala Consulting Engineers (SA) (Pty) Ltd

✉ P.O. Box 32497, Waverley, 0135

ATTENTION:

Irmé Van Zyl or Bongsi Mhlanga

☎ Phone: 0861 543 9252/ 072 222 6194

☎ Fax: 086 764 9282

✉ E-mail: upingtonsolarpark@lidwala.com

🌐 Website: www.lidwala.com

From: Mike Mangnall [<mailto:Mike.Mangnall@mainstreamrp.com>]
Sent: 03 February 2014 09:17 AM
To: upingtonsolarpark@lidwala.com
Subject: register please

Hi Irme/Bongsi

Please register me and send me a copy of the BID for the Upington Solar Park EIA.

Thanks
Mike



Michael Mangnall
Project Development Manager

4th Floor Mariendahl House
Newlands on Main
Cnr Main and Campground Roads
Claremont 7708

Cape Town
South Africa

Tel: +27 (0) 21-657 4045

Fax: +27 (0) 21-671 5665

Mob: +27 (0) 83 785 1492

skype : [mike.mangnall.mainstream](https://www.skype.com/user/mike.mangnall.mainstream)

mike.mangnall@mainstreamrp.com

www.mainstreamrp.com

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 please consider the environment - do you really need to print this email?

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Mainstream Renewable Power Company Proprietary and Confidential Information. If you have received this message in error you should delete it from your system immediately and advise the sender.
Mainstream Renewable Power Limited is a private limited company registered in Ireland. Registered number: 453076. Registered address: Arena House, Arena Road, Sandyford, Dublin 18, Ireland.
Mainstream Renewable Power Company Proprietary and Confidential Information. If you have received this message in error you should delete it from your system immediately and advise the sender.
Mainstream Renewable Power Limited is a private limited company registered in Ireland. Registered number: 453076. Registered address: Arena House, Arena Road, Sandyford, Dublin 18, Ireland.
Mainstream Renewable Power Company Proprietary and Confidential Information. If you have received this message in error you should delete it from your system immediately and advise the sender.

Irmé van Zyl

From: Dana Grobler <dana@bluescience.co.za>
Sent: 05 February 2014 05:10 PM
To: upingtonsolarpark@lidwala.com
Subject: DEA 14/12/16/3/3/2/588 - Register as interested party

Dear Irme and Bongsi

Please register us as an interested party.

Thank you

Kind regards

Dana

Dana Grobler Pr.Sci.Nat

BSc (Hons) HED

Director (BlueScience Pty Ltd)



BlueScience (Pty) Ltd

PO Box 455

Somerset Mall

7137

Tel: +27 (0)21 851 0555

Fax: +27 (0)86 620 1812

www.bluescience.co.za

Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 05 February 2014 05:27 PM
To: 'Dana Grobler'
Subject: RE: DEA 14/12/16/3/3/2/588 - Register as interested party

Dear Dana,

Thank you for registering. You will be added to the list.
The background information document will be sent to you shortly.

Best Regards,
Irmé van Zyl

Direct all comments, queries and responses to:

Lidwala Consulting Engineers (SA) (Pty) Ltd

📮 P.O. Box 32497, Waverley, 0135

ATTENTION:

Irmé Van Zyl or Bongsi Mhlanga

☎ Phone: 0861 543 9252/ 072 222 6194

☎ Fax: 086 764 9282

✉ E-mail: upingtonsolarpark@lidwala.com

🌐 Website: www.lidwala.com

From: Dana Grobler [<mailto:dana@bluescience.co.za>]
Sent: 05 February 2014 05:10 PM
To: upingtonsolarpark@lidwala.com
Subject: DEA 14/12/16/3/3/2/588 - Register as interested party

Dear Irme and Bongsi

Please register us as an interested party.

Thank you

Kind regards

Dana

Dana Grobler Pr.Sci.Nat

BSc (Hons) HED

Director (BlueScience Pty Ltd)


www.bluescience.co.za

BlueScience (Pty) Ltd

PO Box 455

Somerset Mall

7137

Tel: +27 (0)21 851 0555

Fax: +27 (0)86 620 1812

www.bluescience.co.za

Irmé van Zyl

From: Dana Grobler <dana@bluescience.co.za>
Sent: 05 February 2014 06:34 PM
To: 'Irmé van Zyl'
Subject: RE: DEA 14/12/16/3/3/2/588 - Register as interested party

Thank you
Dana

Dana Grobler Pr.Sci.Nat
BSc (Hons) HED
Director (BlueScience Pty Ltd)



BlueScience (Pty) Ltd
PO Box 455
Somerset Mall
7137
Tel: +27 (0)21 851 0555
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www.bluescience.co.za

From: Irmé van Zyl [<mailto:ibvanzyl@telkomsa.net>]
Sent: 05 February 2014 05:27 PM
To: 'Dana Grobler'
Subject: RE: DEA 14/12/16/3/3/2/588 - Register as interested party

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☎ Fax: 086 764 9282

✉ E-mail: upingtonsolarpark@lidwala.com

🌐 Website: www.lidwala.com

From: Dana Grobler [<mailto:dana@bluescience.co.za>]
Sent: 05 February 2014 05:10 PM

To: upingtonsolarpark@lidwala.com

Subject: DEA 14/12/16/3/3/2/588 - Register as interested party

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PO Box 455

Somerset Mall

7137

Tel: +27 (0)21 851 0555

Fax: +27 (0)86 620 1812

www.bluescience.co.za

Irmé van Zyl

From: Devon Jansen <devoncjansen@gmail.com>
Sent: 06 February 2014 08:36 AM
To: upingtonsolarpark@lidwala.com
Subject: ATTN: BONGI MHLANGA OR IRME VAN ZYL: REQUEST TO REGISTER AS AN INTERESTED PARTY

Good day,

I saw your advertised notice in Die Gemsbok edition of 07 February 2014.

My personal details are as follows;

Mr. Devon Cyril Jansen,

24 Leeukop St,

Rosedale,

Upington,

8801.

Cell: 082-431-7111

Email: devoncjansen@gmail.com

I hope you find the above in order.

Regards,

Devon Jansen

Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 06 February 2014 08:55 AM
To: 'Devon Jansen'
Cc: Marinus Boon (MBoon@lidwala.com); Bongi Mhlanga (BMhlanga@lidwala.com)
Subject: RE: ATTN: BONGI MHLANGA OR IRME VAN ZYL: REQUEST TO REGISTER AS AN INTERESTED PARTY

Dear Mr Jansen,

Thank you for responding to the advertisement.
You will be registered on this project as an I&AP.
More information will be provided shortly.

Best Regards,
Irmé van Zyl

Direct all comments, queries and responses to:

Lidwala Consulting Engineers (SA) (Pty) Ltd

✉ P.O. Box 32497, Waverley, 0135

ATTENTION:

Irmé Van Zyl or Bongi Mhlanga

☎ Phone: 0861 543 9252/ 072 222 6194

☎ Fax: 086 764 9282

✉ E-mail: upingtonsolarpark@lidwala.com

🌐 Website: www.lidwala.com

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Rosedale,
Upington,
8801.
Cell: 082-431-7111
Email: devoncjansen@gmail.com

I hope you find the above in order.

Regards,

Devon Jansen

Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 06 February 2014 09:43 AM
Subject: 1 GW UPINGTON SOLAR PARK, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)
Attachments: 2014-02-05 - CEF Upington Solar Park - Briefing Paper (Eng) FINAL - CR.pdf; 2014-02-05 CEF UPINGTON - BID Notification Letter (Eng) FINAL - CR.pdf; 2014-02-05 1 GW Upington Sonkragaanleg OIS- BID (Afr) FINAL.pdf; 2014-02-05 CEF UPINGTON - BID Notification Letter (Afrikaans) FINAL.pdf; 2014-02-05 1 GW Upington Solar Park Comment Form (Afr) FINAL.pdf; 2014-02-05 1 GW Upington Solar Park Comment Form (Eng) FINAL - CR.pdf
Bcc: 'Riaan Strauss' (riaan@it5.co.za); managersec@kharahais.gov.za; (manager@kharahais.gov.za); Colleen Runkel (WR) SANRAL (Runkelc@nra.co.za); Alvin Steenkamp (AlvinS@cavalier.co.za); Manie Kotze (kotzеха@eskom.co.za); Marinus Boon (MBoon@lidwala.com); Bongsi Mhlanga (BMhlanga@lidwala.com)

DEA Ref No: 14/12/16/3/3/2/588

Dear Interested and/or Affected Party

RE: INVITATION TO PARTICIPATE: ENVIRONMENTAL IMPACT ASSESSMENT PROCESS INCLUDING AN INTEGRATED WATER USE LICENSE APPLICATION FOR THE PROPOSED 1 GW UPINGTON SOLAR PARK WITHIN THE //KHARA HAIS MUNICIPALITY, NORTHERN CAPE PROVINCE

Lidwala Consulting Engineers (SA) (Pty) Ltd (Lidwala SA) has been appointed by CEF (SOC) Ltd to conduct an Environmental Impact Assessment (EIA) for the proposed 1 GW Upington Solar Park in the Northern Cape Province.

Please find attached the Notification Letter, Background Information Document (BID) and Registration & Comment Form for your attention.

YOUR COMMENT IS IMPORTANT

You are invited to formally register as an interested and/or affected party (I&AP) and to participate in the EIA process by completing the registration and comment form enclosed with the BID. You are welcome to comment on the BID in any of the following ways:

- Submitting your completed registration and comment form to us
- Writing a letter to be received by us via e-mail, fax or phoning the public participation office (see contact details below).

CONTACT PERSONS:

Irmé Van Zyl or Bongsi Mhlanga
P.O. Box 32497, Waverley, 0135
Tel: 072 222 6194 / (0861) 543 9252
Fax: (086) 764 9252
E-mail: upingtonsolarpark@lidwala.com

Kind Regards

Irmé Van Zyl

Irmé van Zyl (ND: Nat Cons, FD: Env Edu, MEM)

Van Zyl Environmental Consultants cc
PO Box 567
Upington
8800
Tel: 054 338 0722
Fax: 086 624 0306
Mobile: 072 222 6194
Email: ibvanzyl@telkomsa.net

Irmé van Zyl

From: Mail Delivery System <MAILER-DAEMON@rrba-ip-smtp-6-5.saix.net>
Sent: 06 February 2014 09:45 AM
To: ibvanzyl@telkomsa.net
Subject: Successful Mail Delivery Report
Attachments: details.txt; Message Headers.txt

This is the mail system at host rrba-ip-smtp-6-5.saix.net.

Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system

<riaan@it5.co.za>: delivery via mail.it5.co.za[197.221.2.61]:25: 250 OK
id=1WBJdh-0005BM-Ne

<managersec@kharahais.gov.za>: delivery via
mail.kharahais.gov.za[213.133.104.107]:25: 250 OK id=1WBJeC-0005oi-JI

Irmé van Zyl

From: heinrich.bahlmann@gmail.com
Sent: 06 February 2014 09:45 AM
To: ibvanzyl@telkomsa.net
Subject: Delivered: 1 GW UPINGTON SOLAR PARK, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)
Attachments: details.txt; Untitled attachment 00220.txt

Your message has been delivered to the following recipients:

AlvinS@cavalier.co.za

Subject: 1 GW UPINGTON SOLAR PARK, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)

Irmé van Zyl

From: Rupert Steenkamp <Ruperts@cavalier.co.za>
Sent: 12 February 2014 01:27 PM
To: upingtonsolarpark@lidwala.com
Subject: Registrasie - B&GP
Attachments: 201402121146-1.pdf

Rupert Steenkamp

Finance Manager - Livestock Division

.....

Office : +27 54 338 0143 Cavalier Group of Companies (Pty) Ltd.
Mobile: +27 82 308 1821 Uitkoms Voerkraal, Upington
Fax : +27 54 338 0249 Northern Cape, Gauteng, South Africa, 8800

www.cavalier.co.za



Irmé van Zyl

From: Rupert Steenkamp <Ruperts@cavalier.co.za>
Sent: 31 January 2014 08:15 AM
To: ibvanzyl@telkomsa.net
Subject: FW: 15/2013: Solar Park Development on Farm Klipkraal 451, Upington, NC

Irme

You can send the information to me

Regards

Rupert Steenkamp

Finance Manager - Livestock Division

.....
Office : +27 54 338 0143 Cavalier Group of Companies (Pty) Ltd.
Mobile: +27 82 308 1821 Uitskoms Voerkraal, Upington
Fax : +27 54 338 0249 Northern Cape, Gauteng, South Africa, 8800

www.cavalier.co.za



From: Alvin Steenkamp
Sent: Thursday, January 30, 2014 4:22 PM
To: Rupert Steenkamp
Subject: Fwd: 15/2013: Solar Park Development on Farm Klipkraal 451, Upington, NC

Sent from my iPhone

Begin forwarded message:

From: Christa Burger <christab@cavalier.co.za>
Date: 30 January 2014 at 3:52:03 PM SAST
To: Irmé van Zyl <ibvanzyl@telkomsa.net>, Alvin Steenkamp <AlvinS@cavalier.co.za>
Subject: RE: 15/2013: Solar Park Development on Farm Klipkraal 451, Upington, NC

Hi Irme

That will be Alvin he is the MD of Cavalier Livestock.

From: Irmé van Zyl [<mailto:ibvanzyl@telkomsa.net>]
Sent: 30 January 2014 03:48 PM
To: Christa Burger; Alvin Steenkamp
Subject: RE: 15/2013: Solar Park Development on Farm Klipkraal 451, Upington, NC

Thank you Christa,
I will add him to the list.
However it is very important that a senior person within the company that has the authority to submit relevant comments to be listed.
Who would that be?

Regards,
Irmé

From: Christa Burger [<mailto:christab@cavalier.co.za>]
Sent: 30 January 2014 03:38 PM
To: Alvin Steenkamp; Irmé van Zyl
Subject: RE: 15/2013: Solar Park Development on Farm Klipkraal 451, Upington, NC

Hi Irme

Yes the farm belongs to Cavalier Livestock (Pty) Ltd

The person responsible for this is Alvin Steenkamp, I included him in this e-mail. You can contact him on telephone (054) 3380143 or cell 082 564 2085 or alvins@cavalier.co.za he will give you all the relevant information.

Regards

Christa Burger

Financial Manager - Abattoir Division

.....
Office : +27 12 808 5696 Cavalier Group of Companies (Pty) Ltd.
Mobile: +27 82 784 9400 Farm Tweefontein, Section 83, Boekenhoutskloof
Fax : +27 86 505 4721 Cullinan, Gauteng, South Africa, 1000

www.cavalier.co.za

<image001.jpg>

From: Irmé van Zyl [<mailto:ibvanzyl@telkomsa.net>]
Sent: 30 January 2014 03:27 PM
To: Jean du Plessis
Subject: 15/2013: Solar Park Development on Farm Klipkraal 451, Upington, NC

Dear Sir/Madam,

An EIA has been commissioned to study the above mentioned farm for possible green energy development.
Some of your properties are adjacent to the mentioned farm and therefore you should be informed of the EIA process.

Portions 25, 29-31 of Farm 451 are listed as belonging to Cavalier Livestock Pty Ltd.
Please confirm if this is correct?
If so, please provide the full contact particulars of the responsible person who should be informed regarding the EIA process.
Tel, Cell, fax, email, postal & street address would be appreciated.

Best Regards,

Irmé van Zyl (ND: Nat Cons, FD: Env Edu, MEM)

Van Zyl Environmental Consultants cc

PO Box 567

Upington

8800

Tel: 054 338 0722

Fax: 086 624 0306

Mobile: 072 222 6194

Email: ibvanzyl@telkomsa.net

**OMGEWINGSIMPAKSTUDIE PROSES
INSLUITENDE GEÏNTEGREERDE WATER LISENSIE AANSOEK VIR DIE VOORGESTELDE
1 GW UPINGTON SONKRAGAANLEG, TE //KHARA HAIS PLAASLIKE MUNISIPALITEIT,
NOORD KAAP PROVINSIE**



DO Verwysingsnommer: 14/12/16/3/3/2/588

KOMMENTAAR- EN REGISTRASIEBLAD

DEEL 1: B&GP BESONDERHEDE

Titel: Mr.
Naam en Van: Rupert Steenkamp
Maatskappynaam: Cavalier Livestock
(Pty) Ltd
Adres: Posbus 630
Upington
Poskode: 8800
Telefoon: 082 308 1821
Faks: 054 338 024
E-pos: ruperts@cavalier.co.za
Taal voorkeur: Afr.

DEEL 2: REGISTRASIE AS 'N B&GP

Dui asseblief aan of u as 'n belangstellende en geaffekteerde party wil registreer (merk met 'n "X"). Deur te registreer as 'n B&GP sal u ingelig word van die projek se vordering en u sal die geleentheid hê om toegang tot belangrike dokumente met betrekking tot die OIE te geniet (bv. die Bestekopname- en Omgewingsimpakverslag).

Ja ek wil graag registreer



Nee ek wil nie registreer nie



DEEL 3: KOMMENTAAR EN IDENTIFISERING VAN IMPAKTE

Watter kommentaar het u oor die voorgestelde ontwikkeling? (Heg 'n aparte bladsy aan indien nodig.)

ht

Watter potensiële impakte voorsien u vir die voorgestelde ontwikkeling? (Heg asseblief 'n aparte bladsy aan indien nodig)

Impak op waterverbruik.
onsienlike - "Skyline"
"Decommissioning" impact

DEEL 4: TOEKOMSTIGE KOMMUNIKASIE

Dui asseblief aan welke vorm van kommunikasie u in die toekoms sal verkies (merk met 'n "x"):

Faks



Pos



E-pos



As daar enige ander persoon/ organisasie is wat jy van weet wat graag betrokke moet wees, voorsien ons met hul kontak besonderhede:

Titel: _____

Naam en Van: _____

Maatskappynaam: _____

Telefoon: _____

Vul asseblief hierdie bladsy in en besorg dit terug aan die kontakpersoon hieronder:

Vir aandag: Irmé Van Zyl of Bongsi Mhlanga

Tel: 0861 543 9252 / 072 222 6194

Fax: 086 764 9282

Per Pos: Posbus 32497, Waverley, 0135

Email: upingtonsolarpark@lidwala.com

Dankie vir u deelname aan die OIE-proses

U kommentaar sal in 'n vraagstuk- en antwoordverslag ingesluit word, wat by die omgewingsowerhede ingedien sal word vir oorsig.

Hierdie evaluering word namens CEF (SOC) Ltd
ondernem.

Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 13 February 2014 06:01 PM
To: 'Rupert Steenkamp'
Cc: Bongji Mhlanga (BMhlanga@lidwala.com); Marinus Boon (MBoon@lidwala.com)
Subject: RE: Registrasie - B&GP

Goeie dag Mnr Steenkamp,

Baie dankie dat u die meegaande registrasieform ingevul en aangestuur het.
Kennis word ook geneem van die potensieële impakte wat u voorsien agv die voorgestelde ontwikkeling.

U kommentaar is op die kommentaar en antwoordverslag aangebring wat ingedien sal word aan die Departement van Omgewingsake saam met die Bestekopnameverslag.
U kommentaar sal ook gedurende die Bestekopname en Impakstudiefases aangespreek word.
Die genoemde verslae sal aan u beskikbaar gestel word wanneer dit voltooi is.

Groete,
Irmé van Zyl

From: Rupert Steenkamp [<mailto:Ruperts@cavalier.co.za>]
Sent: 12 February 2014 01:27 PM
To: upingtonsolarpark@lidwala.com
Subject: Registrasie - B&GP

Rupert Steenkamp

Finance Manager - Livestock Division

.....

Office : +27 54 338 0143 Cavalier Group of Companies (Pty) Ltd.
Mobile: +27 82 308 1821 Uitkoms Voerkraal, Upington
Fax : +27 54 338 0249 Northern Cape, Gauteng, South Africa, 8800

www.cavalier.co.za



Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 06 February 2014 10:09 AM
Subject: 1 GW UPINGTON SOLAR PARK, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)
Attachments: 2014-02-05 - CEF Upington Solar Park - Briefing Paper (Eng) FINAL - CR.pdf; 2014-02-05 CEF UPINGTON - BID Notification Letter (Eng) FINAL - CR.pdf; 2014-02-05 1 GW Upington Sonkragaanleg OIS- BID (Afr) FINAL.pdf; 2014-02-05 CEF UPINGTON - BID Notification Letter (Afrikaans) FINAL.pdf; 2014-02-05 1 GW Upington Solar Park Comment Form (Afr) FINAL.pdf; 2014-02-05 1 GW Upington Solar Park Comment Form (Eng) FINAL - CR.pdf

Tracking:

Recipient	Delivery
entoba@zfm.gov.za	
'gvanstaden@zfm.gov.za'	
'hannes@zfm.gov.za'	
'gil@zfm.gov.za'	
(tech@kharahais.gov.za)	
civilsec@kharahais.gov.za	
civil.engtech@kharahais.gov.za	
(henvhealth@kharahais.gov.za)	
Jeremy du Plessis (townplanner@kharahais.gov.za)	
'mayor.officerclerk1@kharahais.gov.za'	
'Nyiko Nkosi'	
Coenrad Agenbach (CAgenbach@environment.gov.za)	
mgordon@environment.gov.za	
tmakaudi@ncpg.gov.za	Failed: 2014/02/06 10:32 AM
Anga Yaphi (ayaphi@upprov.ncape.gov.za)	
'bfisher@ncpg.gov.za'	
'rnel@ncpg.gov.za'	Failed: 2014/02/06 10:32 AM
'sesterhuysen@agri.ncape.gov.za'	Failed: 2014/02/06 10:32 AM
(seppie.esterhuysen@gmail.com)	
'ntoerien1@gmail.com'	Failed: 2014/02/06 10:32 AM
Nico Toerien (ntoerien@agri.ncape.gov.za)	
'ratha.timothy@gmail.com'	Failed: 2014/02/06 10:32 AM
'mmanong@nc.sahra.org.za'	
'JacolineMa'	
'annelizac@nda.agric.za'	
nhlakad@daff.gov.za	
Thoko Buthelezi (thokob@daff.gov.za)	Failed: 2014/02/06 10:32 AM
'mashuduma@daff.gov.za'	
'annettes@daff.gov.za'	
'Bongiwe Mxaku'	
sebatatso.mohapi@energy.gov.za	Failed: 2014/02/06 10:32 AM
noma.qase@energy.gov.za	
nomawethu.qase@energy.gov.za	Failed: 2014/02/06 10:32 AM

Recipient**Delivery**

daniel.modise@energy.gov.za
Babalwa Mbobo (Babalwa.Mbobo@energy.gov.za)
'mokgadi.modise@energy.gov.za'
'John Geeringh'
Bongi Mhlanga (BMhlanga@lidwala.com)
Marinus Boon (MBoon@lidwala.com)

DEA Ref No: 14/12/16/3/3/2/588

Dear Interested and/or Affected Party

RE: INVITATION TO PARTICIPATE: ENVIRONMENTAL IMPACT ASSESSMENT PROCESS INCLUDING AN INTEGRATED WATER USE LICENSE APPLICATION FOR THE PROPOSED 1 GW UPINGTON SOLAR PARK WITHIN THE //KHARA HAIS MUNICIPALITY, NORTHERN CAPE PROVINCE

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CONTACT PERSONS:

Irmé Van Zyl or Bongi Mhlanga

P.O. Box 32497, Waverley, 0135

Tel: 072 222 6194 / (0861) 543 9252

Fax: (086) 764 9252

E-mail: upingtonsolarpark@lidwala.com

Kind Regards

Irmé Van Zyl

Irmé van Zyl (ND: Nat Cons, FD: Env Edu, MEM)

Van Zyl Environmental Consultants cc

PO Box 567

Upington

8800

Tel: 054 338 0722

Fax: 086 624 0306

Mobile: 072 222 6194

Email: ibvanzyl@telkomsa.net

Irmé van Zyl

From: John Geeringh <GeerinJH@eskom.co.za>
Sent: 07 February 2014 01:57 PM
To: Irmé van Zyl
Subject: RE: 1 GW UPINGTON SOLAR PARK, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)

Please register me as an IAP. Send future correspondence via e-mail and documents via registered post. Documents can be on CD or memory stick.

Regards

John Geeringh (Pr Sci Nat)
Senior Consultant Environmental Management
Eskom: GC Land Development
D1 Y39
Megawatt Park
P O Box 1091
Johannesburg
2000

Tel: 011 516 7233
Fax: 086 661 4064
Cell: 083 632 7663
E-mail: john.geeringh@eskom.co.za

From: Irmé van Zyl [<mailto:ibvanzyl@telkomsa.net>]
Sent: 06 February 2014 10:09 AM
To: Irmé van Zyl
Subject: 1 GW UPINGTON SOLAR PARK, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)

DEA Ref No: 14/12/16/3/3/2/588

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Irmé Van Zyl or Bongsi Mhlanga

P.O. Box 32497, Waverley, 0135

Tel: 072 222 6194 / (0861) 543 9252

Fax: (086) 764 9252

E-mail: upingtonsolarpark@lidwala.com

Kind Regards

Irmé Van Zyl

Irmé van Zyl (ND: Nat Cons, FD: Env Edu, MEM)

Van Zyl Environmental Consultants cc

PO Box 567

Upington

8800

Tel: 054 338 0722

Fax: 086 624 0306

Mobile: 072 222 6194

Email: ibvanzyl@telkomsa.net

I'm part of the 49Million initiative.

<http://www.49Million.co.za>

NB: This Email and its contents are subject to the Eskom Holdings Limited EMAIL LEGAL NOTICE which can be viewed at http://www.eskom.co.za/e-mail_legalnotice

Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 07 February 2014 02:32 PM
To: 'John Geeringh'
Cc: Marinus Boon (MBoon@lidwala.com); Bongi Mhlanga (BMhlanga@lidwala.com)
Subject: RE: 1 GW UPINGTON SOLAR PARK, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)

Dear John,

You are listed and will receive documentation as requested.

Best Regards,
Irmé van Zyl

Irmé Van Zyl or Bongi Mhlanga
P.O. Box 32497, Waverley, 0135
Tel: 072 222 6194 / (0861) 543 9252
Fax: (086) 764 9252
E-mail: upingtonsolarpark@lidwala.com

From: John Geeringh [<mailto:GeerinJH@eskom.co.za>]
Sent: 07 February 2014 01:57 PM
To: Irmé van Zyl
Subject: RE: 1 GW UPINGTON SOLAR PARK, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)

Please register me as an IAP. Send future correspondence via e-mail and documents via registered post. Documents can be on CD or memory stick.

Regards

John Geeringh (Pr Sci Nat)
Senior Consultant Environmental Management
Eskom: GC Land Development
D1 Y39
Megawatt Park
P O Box 1091
Johannesburg
2000

Tel: 011 516 7233
Fax: 086 661 4064
Cell: 083 632 7663
E-mail: john.geeringh@eskom.co.za

From: Irmé van Zyl [<mailto:ibvanzyl@telkomsa.net>]
Sent: 06 February 2014 10:09 AM
To: Irmé van Zyl
Subject: 1 GW UPINGTON SOLAR PARK, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)

DEA Ref No: 14/12/16/3/3/2/588

Dear Interested and/or Affected Party

RE: INVITATION TO PARTICIPATE: ENVIRONMENTAL IMPACT ASSESSMENT PROCESS INCLUDING AN INTEGRATED WATER USE LICENSE APPLICATION FOR THE PROPOSED 1 GW UPINGTON SOLAR PARK WITHIN THE //KHARA HAIS MUNICIPALITY, NORTHERN CAPE PROVINCE

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- Writing a letter to be received by us via e-mail, fax or phoning the public participation office (see contact details below).

CONTACT PERSONS:

Irmé Van Zyl or Bongsi Mhlanga

P.O. Box 32497, Waverley, 0135

Tel: 072 222 6194 / (0861) 543 9252

Fax: (086) 764 9252

E-mail: upingtonsolarpark@lidwala.com

Kind Regards

Irmé Van Zyl

Irmé van Zyl (ND: Nat Cons, FD: Env Edu, MEM)

Van Zyl Environmental Consultants cc

PO Box 567

Upington

8800

Tel: 054 338 0722

Fax: 086 624 0306

Mobile: 072 222 6194

Email: ibvanzyl@telkomsa.net

I'm part of the 49Million initiative.

<http://www.49Million.co.za>

NB: This Email and its contents are subject to the Eskom Holdings Limited EMAIL LEGAL NOTICE which can be viewed at http://www.eskom.co.za/e-mail_legalnotice

Irmé van Zyl

From: Mail Delivery Subsystem <MAILER-DAEMON@rly04s.srv.mailcontrol.com>
Sent: 06 February 2014 10:15 AM
To: ibvanzyl@telkomsa.net
Subject: Return receipt
Attachments: details.txt; Untitled attachment 00246.txt

The original message was received at Thu, 6 Feb 2014 08:10:06 GMT from rrba-ip-smtp-6-4.saix.net [196.25.240.200]

----- The following addresses had successful delivery notifications ----- <JacolineMa@daff.gov.za> (relayed to non-DSN-aware mailer) <annettes@daff.gov.za> (relayed to non-DSN-aware mailer) <mashuduma@daff.gov.za> (relayed to non-DSN-aware mailer) <nhlakad@daff.gov.za> (relayed to non-DSN-aware mailer)

----- Transcript of session follows ----- <nhlakad@daff.gov.za>... relayed; expect no further notifications <mashuduma@daff.gov.za>... relayed; expect no further notifications <annettes@daff.gov.za>... relayed; expect no further notifications <JacolineMa@daff.gov.za>... relayed; expect no further notifications

Irmé van Zyl

From: Mail Delivery Subsystem <MAILER-DAEMON@rly01s.srv.mailcontrol.com>
Sent: 06 February 2014 10:15 AM
To: ibvanzyl@telkomsa.net
Subject: Return receipt
Attachments: details.txt; Untitled attachment 00252.txt

The original message was received at Thu, 6 Feb 2014 08:10:06 GMT from rrba-ip-smtp-6-4.saix.net [196.25.240.200]

----- The following addresses had successful delivery notifications ----- <annelizac@nda.agric.za>
(relayed to non-DSN-aware mailer)

----- Transcript of session follows ----- <annelizac@nda.agric.za>... relayed; expect no further notifications

Irmé van Zyl

From: Mail Delivery System <MAILER-DAEMON@rrba-ip-smtp-6-4.saix.net>
Sent: 06 February 2014 10:12 AM
To: ibvanzyl@telkomsa.net
Subject: Successful Mail Delivery Report
Attachments: details.txt; Message Headers.txt

This is the mail system at host rrba-ip-smtp-6-4.saix.net.

Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system

<ayaphi@upprov.ncape.gov.za>: delivery via
securemail-mx1.synaq.com[196.35.198.158]:25: 250 OK id=1WBK3K-0001Su-SZ

<ntoerien@agri.ncape.gov.za>: delivery via
securemail-mx1.synaq.com[196.35.198.158]:25: 250 OK id=1WBK3K-0001v3-Ts

<seppie.esterhuysen@gmail.com>: delivery via
gmail-smtp-in.l.google.com[173.194.78.26]:25: 250 2.0.0 OK 1391674282
lx7si64897wjb.39 - gsmtip

<henvhealth@kharahais.gov.za>: delivery via
mail.kharahais.gov.za[213.133.104.107]:25: 250 OK id=1WBK3s-00085l-Gv

<tech@kharahais.gov.za>: delivery via
mail.kharahais.gov.za[213.133.104.107]:25: 250 OK id=1WBK3s-00085l-Gv

<townplanner@kharahais.gov.za>: delivery via
mail.kharahais.gov.za[213.133.104.107]:25: 250 OK id=1WBK3s-00085l-Gv

Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 06 February 2014 10:32 AM
Subject: 1 GW UPINGTON SOLAR PARK, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)
Attachments: 2014-02-05 - CEF Upington Solar Park - Briefing Paper (Eng) FINAL - CR.pdf; 2014-02-05 CEF UPINGTON - BID Notification Letter (Eng) FINAL - CR.pdf; 2014-02-05 1 GW Upington Sonkragaanleg OIS- BID (Afr) FINAL.pdf; 2014-02-05 CEF UPINGTON - BID Notification Letter (Afrikaans) FINAL.pdf; 2014-02-05 1 GW Upington Solar Park Comment Form (Afr) FINAL.pdf; 2014-02-05 1 GW Upington Solar Park Comment Form (Eng) FINAL - CR.pdf
Bcc: tmakaudi@ncpg.gov.za; rnel@ncpg.gov.za; 'sesterhuysen@agri.ncape.gov.za'; 'ntoerien1@gmail.com'; 'ratha.timothy@gmail.com'; Thoko Buthelezi (thokob@daff.gov.za); sebatatso.mohapi@energy.gov.za; nomawethu.qase@energy.gov.za; Bongsi Mhlanga (BMhlanga@lidwala.com); Marinus Boon (MBoon@lidwala.com)

DEA Ref No: 14/12/16/3/3/2/588

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P.O. Box 32497, Waverley, 0135
Tel: 072 222 6194 / (0861) 543 9252
Fax: (086) 764 9252
E-mail: upingtonsolarpark@lidwala.com

Kind Regards

Irmé Van Zyl

Irmé van Zyl (ND: Nat Cons, FD: Env Edu, MEM)

Van Zyl Environmental Consultants cc

PO Box 567

Upington

8800

Tel: 054 338 0722

Fax: 086 624 0306

Mobile: 072 222 6194

Email: ibvanzyl@telkomsa.net

Irmé van Zyl

From: Mail Delivery Subsystem <MAILER-DAEMON@rly04s.srv.mailcontrol.com>
Sent: 06 February 2014 10:36 AM
To: ibvanzyl@telkomsa.net
Subject: Return receipt
Attachments: details.txt; Untitled attachment 00278.txt

The original message was received at Thu, 6 Feb 2014 08:33:21 GMT from rrba-ip-smtp-6-3.saix.net [196.25.240.199]

----- The following addresses had successful delivery notifications ----- <thokob@daff.gov.za> (relayed to non-DSN-aware mailer)

----- Transcript of session follows ----- <thokob@daff.gov.za>... relayed; expect no further notifications

Irmé van Zyl

From: Mail Delivery System <MAILER-DAEMON@rrba-ip-smtp-6-3.saix.net>
Sent: 06 February 2014 10:34 AM
To: ibvanzyl@telkomsa.net
Subject: Successful Mail Delivery Report
Attachments: details.txt; Message Headers.txt

This is the mail system at host rrba-ip-smtp-6-3.saix.net.

Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system

<rnel@ncpg.gov.za>: delivery via securemail-mx1.synaq.com[196.35.198.158]:25:
250 OK id=1WBKOf-0001rO-3Q

<tmakaudi@ncpg.gov.za>: delivery via
securemail-mx1.synaq.com[196.35.198.158]:25: 250 OK id=1WBKOf-0001rO-3Q

<sesterhuysen@agri.ncape.gov.za>: delivery via
securemail-mx1.synaq.com[196.35.198.158]:25: 250 OK id=1WBKOf-0000Jo-Dd

<nomawethu.qase@energy.gov.za>: delivery via
securemail-mx2.synaq.com[196.35.198.158]:25: 250 OK id=1WBKOg-0005rg-IR

<sebatso.mohapi@energy.gov.za>: delivery via
securemail-mx2.synaq.com[196.35.198.158]:25: 250 OK id=1WBKOg-0005rg-IR

<ntoerien1@gmail.com>: delivery via
gmail-smtp-in.l.google.com[173.194.78.26]:25: 250 2.0.0 OK 1391675635
vv2si97278wjc.8 - gsmtip

<ratha.timothy@gmail.com>: delivery via
gmail-smtp-in.l.google.com[173.194.78.26]:25: 250 2.0.0 OK 1391675635
vv2si97278wjc.8 - gsmtip

Irmé van Zyl

From: ThokoB <ThokoB@daff.gov.za>
To: undisclosed-recipients:
Sent: 06 February 2014 11:33 AM
Subject: Read: 1 GW UPINGTON SOLAR PARK, UPINGTON, NC : EIA & WULA NOTICE
(14/12/16/3/3/2/588)

Your message

To: Irmé van Zyl
Cc:
Subject: 1 GW UPINGTON SOLAR PARK, UPINGTON, NC : EIA & WULA NOTICE
(14/12/16/3/3/2/588)
Sent: Thu, 6 Feb 2014 10:32:01 +0200

was read on Thu, 6 Feb 2014 11:32:46 +0200

Irmé van Zyl

From: Marinus Boon <MBoon@lidwala.com>
Sent: 13 March 2014 10:27 AM
To: Bongji Mhlanga; ibvanzyl
Subject: FW: 1 GW Upington Solar Park
Attachments: Upington site and river.jpg; Upington locality pdf.pdf

Hi Irme & Bongji,

Irme please find correct email for Shaun it think the s in yours was before cloete.

This email is also proof of previous communication with DWA in terms of PP.

Kind regards,

Marinus

From: Marinus Boon
Sent: 15 January 2014 11:20 AM
To: 'cloetes@dwa.gov.za'
Cc: Moseketsi Mochesane
Subject: 1 GW Upington Solar Park

Hi Shaun,

Our telephone conversation this morning refers. I thought it would be good to also email you.

Please find attached the locality for the proposed 1 GW Upington Solar Park.

Please confirm our discussion if in order that a 1:100 flood line determination will not be required for this locality.

Kind regards,

Marinus Boon
Environmental Professional

Lidwala Consulting Engineers
P.O. Box 32497
Waverley, Pretoria, 0135

Tel: 0861 LIDWALA / 0861 543 9252
Cell: 074 76 123 27
Fax: 086 557 3141



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Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 14 March 2014 09:48 AM
To: cloetes@dwa.gov.za
Subject: 10: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)
Attachments: 2014-02-05 - CEF Upington Solar Park - Briefing Paper (Eng) FINAL - CR.pdf;
2014-02-05 CEF UPINGTON - BID Notification Letter (Eng) FINAL - CR.pdf;
2014-02-05 1 GW Upington Solar Park Comment Form (Eng) FINAL - CR.pdf

DEA Ref No: 14/12/16/3/3/2/588

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RE: INVITATION TO PARTICIPATE: ENVIRONMENTAL IMPACT ASSESSMENT PROCESS INCLUDING AN INTEGRATED WATER USE LICENSE APPLICATION FOR THE PROPOSED 1 GW UPINGTON SOLAR PARK WITHIN THE //KHARA HAIS MUNICIPALITY, NORTHERN CAPE PROVINCE

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CONTACT PERSONS:

Irmé Van Zyl or Bongsi Mhlanga
P.O. Box 32497, Waverley, 0135
Tel: 072 222 6194 / (0861) 543 9252
Fax: (086) 764 9252
E-mail: upingtonsolarpark@lidwala.com

Kind Regards

Irmé Van Zyl

Mobile: 072 222 6194

Irmé van Zyl

From: Mail Delivery System <MAILER-DAEMON@rrba-ip-smtp-6-4.saix.net>
Sent: 14 March 2014 09:49 AM
To: ibvanzyl@telkomsa.net
Subject: Successful Mail Delivery Report
Attachments: details.txt; Message Headers.txt

This is the mail system at host rrba-ip-smtp-6-4.saix.net.

Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system

<cloetes@dwa.gov.za>: delivery via securemail-mx1.synaq.com[196.35.198.158]:25:
250 OK id=1WOMrX-0004VS-3h

Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 06 February 2014 10:38 AM
Subject: 1 GW UPINGTON SOLAR PARK, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)
Attachments: 2014-02-05 - CEF Upington Solar Park - Briefing Paper (Eng) FINAL - CR.pdf; 2014-02-05 CEF UPINGTON - BID Notification Letter (Eng) FINAL - CR.pdf; 2014-02-05 1 GW Upington Sonkragaanleg OIS- BID (Afr) FINAL.pdf; 2014-02-05 CEF UPINGTON - BID Notification Letter (Afrikaans) FINAL.pdf; 2014-02-05 1 GW Upington Solar Park Comment Form (Afr) FINAL.pdf; 2014-02-05 1 GW Upington Solar Park Comment Form (Eng) FINAL - CR.pdf
Bcc: Marietjie Smit (MSmit@ncpg.gov.za); 'leecha1@vodamail.co.za'; 'nngxabazi@ncpg.gov.za'; 'ntsundeniravhugoni@dmr.gov.za'; 'brenda.monnapula@dmr.gov.za'; 'Ivan.Vass@labour.gov.za'; Mashudu Ranwedzi (ranwedzim@dwa.gov.za); scloete@dwa.gov.za; 'feniN2@dwa.gov.za'; Potgieter Danie (UPN) (potgieterd@dwa.gov.za); 'potgied@dwa.gov.za'; 'dstander@ncpg.gov.za'

DEA Ref No: 14/12/16/3/3/2/588

Dear Interested and/or Affected Party

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Irmé Van Zyl or Bongsi Mhlanga
P.O. Box 32497, Waverley, 0135
Tel: 072 222 6194 / (0861) 543 9252
Fax: (086) 764 9252
E-mail: upingtonsolarpark@lidwala.com

Kind Regards

Irmé Van Zyl

Irmé van Zyl (ND: Nat Cons, FD: Env Edu, MEM)

Van Zyl Environmental Consultants cc

PO Box 567

Upington

8800

Tel: 054 338 0722

Fax: 086 624 0306

Mobile: 072 222 6194

Email: ibvanzyl@telkomsa.net

Irmé van Zyl

From: Mail Delivery System <MAILER-DAEMON@rrba-ip-smtp-3-1.saix.net>
Sent: 06 February 2014 10:39 AM
To: ibvanzyl@telkomsa.net
Subject: Successful Mail Delivery Report
Attachments: details.txt; Message Headers.txt

This is the mail system at host rrba-ip-smtp-3-1.saix.net.

Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system

<feniN2@dwa.gov.za>: delivery via securemail-mx1.synaq.com[196.35.198.158]:25:
250 OK id=1WBKTz-0006Yy-Tb

<potgied@dwa.gov.za>: delivery via securemail-mx1.synaq.com[196.35.198.158]:25:
250 OK id=1WBKTz-0006Yy-Tb

<potgieterd@dwa.gov.za>: delivery via
securemail-mx1.synaq.com[196.35.198.158]:25: 250 OK id=1WBKTz-0006Yy-Tb

<ranwedzim@dwa.gov.za>: delivery via
securemail-mx1.synaq.com[196.35.198.158]:25: 250 OK id=1WBKTz-0006Yy-Tb

<scloete@dwa.gov.za>: delivery via securemail-mx1.synaq.com[196.35.198.158]:25:
250 OK id=1WBKTz-0006Yy-Tb

<dstander@ncpg.gov.za>: delivery via
securemail-mx1.synaq.com[196.35.198.158]:25: 250 OK id=1WBKU0-0003k0-2A

<nngxabazi@ncpg.gov.za>: delivery via
securemail-mx1.synaq.com[196.35.198.158]:25: 250 OK id=1WBKU0-0003k0-2A

<brenda.monnapula@dmr.gov.za>: delivery via
securemail-mx1.synaq.com[196.35.198.158]:25: 250 OK id=1WBKU0-0002Kr-9H

<ntsundeniravhugoni@dmr.gov.za>: delivery via
securemail-mx1.synaq.com[196.35.198.158]:25: 250 OK id=1WBKU0-0002Kr-9H

<Ivan.Vass@labour.gov.za>: delivery via
securemail-mx1.synaq.com[196.35.198.158]:25: 250 OK id=1WBKU1-0000bM-Qr

Irmé van Zyl

From: Mail Delivery System <MAILER-DAEMON@vodamail.co.za>
Sent: 06 February 2014 10:51 AM
To: ibvanzyl@telkomsa.net
Subject: Successful Mail Delivery Report
Attachments: details.txt; Message Headers.txt

This is the mail system at host mx1.vodamail.co.za.

Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system

<leecha1@vodamail.co.za>: alias expanded

Irmé van Zyl

From: Babalwa Mbobo <Babalwa.Mbobo@energy.gov.za>
Sent: 07 February 2014 09:30 AM
To: Irmé van Zyl
Cc: Pheladi Masipa
Subject: RE: 1 GW UPINGTON SOLAR PARK, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)

Dear Ms van Zyl,

Kindly note that we are working directly with this project therefore I think according to NEMA there is no need for us to comment on all these attached documents as our comments may be viewed biased.

Regards,
Babalwa Mbobo

From: Irmé van Zyl [<mailto:ibvanzyl@telkomsa.net>]
Sent: 06 February 2014 10:09 AM
To: Irmé van Zyl
Subject: 1 GW UPINGTON SOLAR PARK, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)

DEA Ref No: 14/12/16/3/3/2/588

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Fax: (086) 764 9252
E-mail: upingtonsolarpark@lidwala.com

Kind Regards

Irmé Van Zyl

Irmé van Zyl (ND: Nat Cons, FD: Env Edu, MEM)

Van Zyl Environmental Consultants cc

PO Box 567

Upington

8800

Tel: 054 338 0722

Fax: 086 624 0306

Mobile: 072 222 6194

Email: ibvanzyl@telkomsa.net

This e-mail message is subject to the Department of Energy disclaimer, which may be viewed by clicking on the following link: <http://www.energy.gov.za/disclaimer.htm>

Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 06 February 2014 10:55 AM
Subject: 1 GW UPINGTON SOLAR PARK, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)
Attachments: 2014-02-05 - CEF Upington Solar Park - Briefing Paper (Eng) FINAL - CR.pdf; 2014-02-05 CEF UPINGTON - BID Notification Letter (Eng) FINAL - CR.pdf; 2014-02-05 1 GW Upington Sonkragaanleg OIS- BID (Afr) FINAL.pdf; 2014-02-05 CEF UPINGTON - BID Notification Letter (Afrikaans) FINAL.pdf; 2014-02-05 1 GW Upington Solar Park Comment Form (Afr) FINAL.pdf; 2014-02-05 1 GW Upington Solar Park Comment Form (Eng) FINAL - CR.pdf
Bcc: Ntsundeni Ravhugoni (Ntsundeni.Ravhugoni@dmr.gov.za); 'sgrobbelaar@ncpg.gov.za'; 'ldahjum@ruraldevelopment.gov.za'; 'tbinase@ncpg.gov.za'; 'emoremi@ncpg.gov.za'; 'dadams@ncpg.gov.za'; 'jmeyer@ncpg.gov.za'; 'ithatelo@salga.org.za'; 'ldaniels@salga.org.za'; 'voliver@ncpg.gov.za'; 'pnntuli@thedti.gov.za'; 'sgrobbelaar@ncpg.gov.za'; 'thembakazim@sanedi.org.za'; 'lesli.labrato@gmail.com'; 'yajnam@cefgroup.co.za'

DEA Ref No: 14/12/16/3/3/2/588

Dear Interested and/or Affected Party

RE: INVITATION TO PARTICIPATE: ENVIRONMENTAL IMPACT ASSESSMENT PROCESS INCLUDING AN INTEGRATED WATER USE LICENSE APPLICATION FOR THE PROPOSED 1 GW UPINGTON SOLAR PARK WITHIN THE //KHARA HAIS MUNICIPALITY, NORTHERN CAPE PROVINCE

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Please find attached the Notification Letter, Background Information Document (BID) and Registration & Comment Form for your attention.

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- Submitting your completed registration and comment form to us
- Writing a letter to be received by us via e-mail, fax or phoning the public participation office (see contact details below).

CONTACT PERSONS:

Irmé Van Zyl or Bongsi Mhlanga
P.O. Box 32497, Waverley, 0135
Tel: 072 222 6194 / (0861) 543 9252
Fax: (086) 764 9252
E-mail: upingtonsolarpark@lidwala.com

Kind Regards

Irmé Van Zyl

Irmé van Zyl

From: postmaster@SANEDI.ORG.ZA
Sent: 06 February 2014 10:57 AM
To: ibvanzyl@telkomsa.net
Subject: Delivered: 1 GW UPINGTON SOLAR PARK, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)
Attachments: details.txt; Untitled attachment 00308.txt

Your message has been delivered to the following recipients:

thembakazim@sanedi.org.za

Subject: 1 GW UPINGTON SOLAR PARK, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)

Irmé van Zyl

From: Mail Delivery System <MAILER-DAEMON@rrba-ip-smtp-6-3.saix.net>
Sent: 06 February 2014 10:57 AM
To: ibvanzyl@telkomsa.net
Subject: Successful Mail Delivery Report
Attachments: details.txt; Message Headers.txt

This is the mail system at host rrba-ip-smtp-6-3.saix.net.

Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system

<Ntsundeni.Ravhugoni@dmr.gov.za>: delivery via
securemail-mx1.synaq.com[196.35.198.158]:25: 250 OK id=1WBKl8-0005Rj-A8

<dadams@ncpg.gov.za>: delivery via securemail-mx1.synaq.com[196.35.198.158]:25:
250 OK id=1WBKl8-00063A-Pi

<emoremi@ncpg.gov.za>: delivery via
securemail-mx1.synaq.com[196.35.198.158]:25: 250 OK id=1WBKl8-00063A-Pi

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securemail-mx1.synaq.com[196.35.198.158]:25: 250 OK id=1WBKl8-00063A-Pi

<tbinase@ncpg.gov.za>: delivery via
securemail-mx1.synaq.com[196.35.198.158]:25: 250 OK id=1WBKl8-00063A-Pi

<voliver@ncpg.gov.za>: delivery via
securemail-mx1.synaq.com[196.35.198.158]:25: 250 OK id=1WBKl8-00063A-Pi

<ithatelo@salga.org.za>: delivery via
cluster1.sa.messagegatelabs.com[196.14.170.83]:25: 250 ok 1391676996 qp 5028
server-16.tower-212.messagegatelabs.com!1391676993!1772255!1

<ldaniels@salga.org.za>: delivery via
cluster1.sa.messagegatelabs.com[196.14.170.83]:25: 250 ok 1391676996 qp 5028
server-16.tower-212.messagegatelabs.com!1391676993!1772255!1

<yajnam@cefgroup.co.za>: delivery via
cluster1a.sa.messagegatelabs.com[196.14.170.99]:25: 250 ok 1391676996 qp 26728
server-16.tower-213.messagegatelabs.com!1391676993!1541755!1

Irmé van Zyl

From: Mail Delivery System <MAILER-DAEMON@rrba-ip-smtp-3-1.saix.net>
Sent: 06 February 2014 10:40 AM
To: ibvanzyl@telkomsa.net
Subject: Successful Mail Delivery Report
Attachments: details.txt; Message Headers.txt

This is the mail system at host rrba-ip-smtp-3-1.saix.net.

Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system

<MSmit@ncpg.gov.za>: delivery via securemail-mx1.synaq.com[196.35.198.158]:25:
250 OK id=1WBKVA-0008D9-0D

Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 04 March 2014 08:24 AM
To: 'René de Kock (WR)'
Cc: 'Colene Runkel (WR)'; 'Shaun Dyers (WR)'
Subject: RE: 1 GW UPINGTON SOLAR PARK, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)

Dear René,

Thank you for registering.
SANRAL has been listed as a stakeholder due to the proximity of the N10 and the N14 to the site.
I trust that you find it in order.

Best Regards,
Irmé van Zyl
072 222 6194

From: René de Kock (WR) [<mailto:Dekockr@nra.co.za>]
Sent: 03 March 2014 04:31 PM
To: 'Irmé van Zyl'
Cc: Colene Runkel (WR); Shaun Dyers (WR)
Subject: RE: 1 GW UPINGTON SOLAR PARK, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)

Good afternoon Irmé

Thank you for your email.

Please register the South African National Roads Agency SOC Limited (SANRAL) as an I & AP.

Kind regards



Ms René de Kock
Statutory Control
Tel: +27 21 957 4607
Fax: +21 910 1699
Email: Dekockr@nra.co.za



**Are you ready?
Get tagged**

Western Region
1 Havenga Street, Oakdale, 7530
Private Bag X19, Bellville, 7535
www.nra.co.za
SANRAL Fraud Hotline: 0800204558

From: Irmé van Zyl [<mailto:ibvanzyl@telkomsa.net>]
Sent: 06 February 2014 11:15 AM
To: Irmé van Zyl
Subject: 1 GW UPINGTON SOLAR PARK, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)

DEA Ref No: 14/12/16/3/3/2/588

Dear Interested and/or Affected Party

RE: INVITATION TO PARTICIPATE: ENVIRONMENTAL IMPACT ASSESSMENT PROCESS INCLUDING AN INTEGRATED WATER USE LICENSE APPLICATION FOR THE PROPOSED 1 GW UPINGTON SOLAR PARK WITHIN THE //KHARA HAIS MUNICIPALITY, NORTHERN CAPE PROVINCE

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- Writing a letter to be received by us via e-mail, fax or phoning the public participation office (see contact details below).

CONTACT PERSONS:

Irmé Van Zyl or Bongsi Mhlanga
P.O. Box 32497, Waverley, 0135
Tel: 072 222 6194 / (0861) 543 9252
Fax: (086) 764 9252
E-mail: upingtonsolarpark@lidwala.com

Kind Regards

Irmé Van Zyl

Mobile: 072 222 6194

Disclaimer:

This message contains confidential information and is intended only for the individual named. If you are not the named addressee you should not disseminate, distribute or copy this e-mail.

Please notify the sender immediately by e-mail if you have received this e-mail by mistake and delete this e-mail from your system. E-mail transmission cannot be guaranteed to be secure or without errors as information could be intercepted, corrupted, lost, destroyed, arrive late or incomplete, or contain viruses.

The sender therefore does not accept liability for any errors or omissions in the contents of this message, which arise as a result of e-mail transmission. If verification is required please request a hard-copy version. The South African National Roads Agency SOC Ltd, PO Box 415, Pretoria, 0001, South Africa, Tel +27-(0)12 844 8000, www.nra.co.za

This Disclaimer is deemed to form part of the content of this email in terms of Section 11 of the Electronic Communications and Transactions Act, 25 of 2002.

Irmé van Zyl

From: Mail Delivery System <MAILER-DAEMON@rrba-ip-smtp-3-1.saix.net>
Sent: 04 March 2014 08:24 AM
To: ibvanzyl@telkomsa.net
Subject: Successful Mail Delivery Report
Attachments: details.txt; Message Headers.txt

This is the mail system at host rrba-ip-smtp-3-1.saix.net.

Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system

<Dekockr@nra.co.za>: delivery via mail.nra.co.za[196.25.218.5]:25: 250 OK:
<11a82e7b0000406a@nra.co.za>

<DyersS@nra.co.za>: delivery via mail.nra.co.za[196.25.218.5]:25: 250 OK:
<11a82e7b0000406a@nra.co.za>

<Runkelc@nra.co.za>: delivery via mail.nra.co.za[196.25.218.5]:25: 250 OK:
<11a82e7b0000406a@nra.co.za>

Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 06 February 2014 11:15 AM
Subject: 1 GW UPINGTON SOLAR PARK, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)
Attachments: 2014-02-05 - CEF Upington Solar Park - Briefing Paper (Eng) FINAL - CR.pdf; 2014-02-05 CEF UPINGTON - BID Notification Letter (Eng) FINAL - CR.pdf; 2014-02-05 1 GW Upington Sonkragaanleg OIS- BID (Afr) FINAL.pdf; 2014-02-05 CEF UPINGTON - BID Notification Letter (Afrikaans) FINAL.pdf; 2014-02-05 1 GW Upington Solar Park Comment Form (Afr) FINAL.pdf; 2014-02-05 1 GW Upington Solar Park Comment Form (Eng) FINAL - CR.pdf

Tracking:

Recipient

Read

'phindilem@cefgroup.co.za'

Read: 2014/02/07 07:08 AM

'sizwem@cefgroup.co.za'

'kumeshn@cefgroup.co.za'

Read: 2014/02/06 12:51 PM

'nonhlanhlan@cefgroup.co.za'

'mphom@cefgroup.co.za'

'ddsmit@dla.gov.za'

atiplady@ska.ac.za

Read: 2014/02/07 07:57 AM

Tshegofatso Monama (temonama@ska.ac.za)

'René de Kock (WR)'

'Kathryn Smuts'

'Wayleave Management Section CR'

'leaskk@eskom.co.za'

'vgenseal@eskom.co.za'

'andrea.vangensen@eskom.co.za'

DEA Ref No: 14/12/16/3/3/2/588

Dear Interested and/or Affected Party

RE: INVITATION TO PARTICIPATE: ENVIRONMENTAL IMPACT ASSESSMENT PROCESS INCLUDING AN INTEGRATED WATER USE LICENSE APPLICATION FOR THE PROPOSED 1 GW UPINGTON SOLAR PARK WITHIN THE //KHARA HAIS MUNICIPALITY, NORTHERN CAPE PROVINCE

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CONTACT PERSONS:

Irmé Van Zyl or Bongji Mhlanga

P.O. Box 32497, Waverley, 0135

Tel: 072 222 6194 / (0861) 543 9252

Fax: (086) 764 9252

E-mail: upingtonsolarpark@lidwala.com

Kind Regards

Irmé Van Zyl

Mobile: 072 222 6194

Irmé van Zyl

From: Kathryn Smuts <ksmuts@sahra.org.za>
Sent: 06 February 2014 11:13 AM
To: Irmé van Zyl
Cc: Jenna Lavin
Subject: Re: 1 GW UPINGTON SOLAR PARK, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)

Dear Irme,

I am no longer working as a Heritage Officer at SAHRA. Please send all Northern Cape development applications to Ms Jenna Lavin (jlavin@sahra.org.za)

Kind regards,
Katie Smuts

Manager: National Inventory Unit
South African Heritage Resources Agency
111 Harrington Street
PO Box 4637, Cape Town 8000,
South Africa
E-mail: ksmuts@sahra.org.za
Phone : +27 (0)21 462 4502
Fax : +27 (0)21 462 4509
Web : www.sahra.org.za

From: "Irmé van Zyl" <ibvanzyl@telkomsa.net>
To: "Irmé van Zyl" <ibvanzyl@telkomsa.net>
Sent: Thursday, 6 February, 2014 11:15:19 AM
Subject: 1 GW UPINGTON SOLAR PARK, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)

DEA Ref No: 14/12/16/3/3/2/588

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CONTACT PERSONS:

Irmé Van Zyl or Bongji Mhlanga

P.O. Box 32497, Waverley, 0135

Tel: 072 222 6194 / (0861) 543 9252

Fax: (086) 764 9252

E-mail: upingtonsolarpark@lidwala.com

Kind Regards

Irmé Van Zyl

Mobile: 072 222 6194

This electronic communication and its content(s) are subject to a disclaimer which can be accessed on the following link:
<http://mail.sahra.org.za/disclaimer.html>

Irmé van Zyl

From: Mail Delivery System <MAILER-DAEMON@rrba-ip-smtp-6-5.saix.net>
Sent: 06 February 2014 11:17 AM
To: ibvanzyl@telkomsa.net
Subject: Successful Mail Delivery Report
Attachments: details.txt; Message Headers.txt

This is the mail system at host rrba-ip-smtp-6-5.saix.net.

Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system

<andrea.vangensen@eskom.co.za>: delivery via
cluster1.sa.messagegatelabs.com[196.14.170.99]:25: 250 ok 1391678202 qp 28568
server-3.tower-213.messagegatelabs.com!1391678200!2341659!1

<leaskk@eskom.co.za>: delivery via
cluster1.sa.messagegatelabs.com[196.14.170.99]:25: 250 ok 1391678202 qp 28568
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server-3.tower-213.messagegatelabs.com!1391678200!2341659!1

<kumeshn@cefgroup.co.za>: delivery via
cluster1a.sa.messagegatelabs.com[196.14.170.83]:25: 250 ok 1391678203 qp 20647
server-11.tower-212.messagegatelabs.com!1391678200!3128014!1

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cluster1a.sa.messagegatelabs.com[196.14.170.83]:25: 250 ok 1391678203 qp 20647
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server-11.tower-212.messagegatelabs.com!1391678200!3128014!1

<ksmuts@sahra.org.za>: delivery via inbound.mm.mweb.net[196.28.101.20]:25: 250
OK id=1WBL4c-0007Er-6h

<atiplady@ska.ac.za>: delivery via
ska.ac.za.s200a1.psmtp.com[207.126.147.10]:25: 250 Thanks

<temonama@ska.ac.za>: delivery via
ska.ac.za.s200a1.psmtp.com[207.126.147.10]:25: 250 Thanks

<Dekockr@nra.co.za>: delivery via mail.nra.co.za[196.25.218.5]:25: 250 OK:
<485f50fa000015de@nra.co.za>

Irmé van Zyl

From: Mail Delivery System <MAILER-DAEMON@wblv-ip-smtp-10-6.saix.net>
Sent: 06 February 2014 11:17 AM
To: ibvanzyl@telkomsa.net
Subject: Successful Mail Delivery Report
Attachments: details.txt; Message Headers.txt

This is the mail system at host wblv-ip-smtp-10-6.saix.net.

Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system

<WayleaCR@telkom.co.za>: delivery via smtp.telkom.co.za[165.143.155.37]:25: 250
ok: Message 76501939 accepted

Irmé van Zyl

From: Alleta Gabaitumele (MA) <GabaitMA@telkom.co.za>
Sent: 06 February 2014 03:54 PM
To: ibvanzyl@telkomsa.net; upingtonsolarpark@lidwala.com
Subject: FW: CUP0056-14 ENVIRONMENTAL IMPACT ASSESSMENT PROCESS INCLUDING AN INTERGRATED WATER USE LICENSE APPLICATION FOR PROPOSED 1 GW UPINGTON SOLAR PARK WITHIN THE KHARA HAIS MUNICIPALITY

Good Day Irme,

We acknowledge receipt of your application. Our reference is CUP0056-14 for further enquiries

Kindest Regards

Aletta Gabaitumele
Tel: 051 -401 6942
Fax: 088-051 4016238
e-mail: gabaitma@telkom.co.za
NIP: Wayleave Management

~~~~~  
This e-mail is subject to the Telkom SA SOC Ltd electronic communication legal notice,  
available at : <http://www.telkom.co.za/TelkomEMailLegalNotice.PDF>  
~~~~~


Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 06 February 2014 05:35 PM
To: 'Aletta Gabaitumele (MA)'
Cc: Bongji Mhlanga (BMhlanga@lidwala.com); Marinus Boon (MBoon@lidwala.com)
Subject: RE: CUP0056-14 ENVIRONMENTAL IMPACT ASSESSMENT PROCESS INCLUDING AN INTERGRATED WATER USE LICENSE APPLICATION FOR PROPOSED 1 GW UPINGTON SOLAR PARK WITHIN THE KHARA HAIS MUNICIPALITY

Good day Aletta,

Thank you for responding. Your reference number has been listed.

Best Regards,
Irmé van Zyl

Direct all comments, queries and responses to:

Lidwala Consulting Engineers (SA) (Pty) Ltd

✉ P.O. Box 32497, Waverley, 0135

ATTENTION:

Irmé Van Zyl or Bongji Mhlanga

☎ Phone: 0861 543 9252/ 072 222 6194

☎ Fax: 086 764 9282

✉ E-mail: upingtonsolarpark@lidwala.com

🌐 Website: www.lidwala.com

From: Aletta Gabaitumele (MA) [<mailto:GabaitMA@telkom.co.za>]

Sent: 06 February 2014 03:54 PM

To: ibvanzyl@telkomsa.net; upingtonsolarpark@lidwala.com

Subject: FW: CUP0056-14 ENVIRONMENTAL IMPACT ASSESSMENT PROCESS INCLUDING AN INTERGRATED WATER USE LICENSE APPLICATION FOR PROPOSED 1 GW UPINGTON SOLAR PARK WITHIN THE KHARA HAIS MUNICIPALITY

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Kindest Regards

Aletta Gabaitumele

Tel: 051 -401 6942

Fax: 088-051 4016238

e-mail: gabaitma@telkom.co.za

NIP: Wayleave Management

~~~~~  
This e-mail is subject to the Telkom SA SOC Ltd electronic communication legal notice,  
available at : <http://www.telkom.co.za/TelkomEMailLegalNotice.PDF>  
~~~~~

Irmé van Zyl

From: Mail Delivery System <MAILER-DAEMON@wblv-ip-smtp-10-6.saix.net>
Sent: 06 February 2014 05:35 PM
To: ibvanzyl@telkomsa.net
Subject: Successful Mail Delivery Report
Attachments: details.txt; Message Headers.txt

This is the mail system at host wblv-ip-smtp-10-6.saix.net.

Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system

<GabaitMA@telkom.co.za>: delivery via smtp.telkom.co.za[165.143.155.37]:25: 250
ok: Message 76576096 accepted

Irmé van Zyl

From: Adrian Tiplady <atiplady@ska.ac.za>
To: Irmé van Zyl
Sent: 07 February 2014 07:57 AM
Subject: Return Receipt (displayed) - 1 GW UPINGTON SOLAR PARK, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)

This is a Return Receipt for the mail that you sent to atiplady@ska.ac.za.

Note: This Return Receipt only acknowledges that the message was displayed on the recipient's computer. There is no guarantee that the recipient has read or understood the message contents.

Irmé van Zyl

From: Keketso Mbete <MbeteKC@eskom.co.za>
To: Irmé van Zyl
Sent: 07 February 2014 07:53 AM
Subject: Read: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)

Your message

To: Keketso Mbete
Subject: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)
Sent: Thursday, February 06, 2014 5:47:56 PM (UTC+02:00) Harare, Pretoria

was read on Friday, February 07, 2014 7:52:25 AM (UTC+02:00) Harare, Pretoria.

I'm part of the 49Million initiative.

<http://www.49Million.co.za>

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Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 06 February 2014 05:48 PM
Subject: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)
Attachments: 2014-02-05 - CEF Upington Solar Park - Briefing Paper (Eng) FINAL - CR.pdf; 2014-02-05 CEF UPINGTON - BID Notification Letter (Eng) FINAL - CR.pdf; 2014-02-05 1 GW Upington Sonkragaanleg OIS- BID (Afr) FINAL.pdf; 2014-02-05 CEF UPINGTON - BID Notification Letter (Afrikaans) FINAL.pdf; 2014-02-05 1 GW Upington Solar Park Comment Form (Afr) FINAL.pdf; 2014-02-05 1 GW Upington Solar Park Comment Form (Eng) FINAL - CR.pdf
Bcc: 'Jenna Lavin'; Keketso Mbete (MbeteKC@eskom.co.za); 'strohl@caa.co.za'; 'robertsh@caa.org.za'; 'pretoriusk@caa.org.za'; carmen.abrahams@dpw.gov.za; 'hendrik.vanniekerk@dpw.gov.za'; 'enquiries@transnet.net'

DEA Ref No: 14/12/16/3/3/2/588

Dear Interested and/or Affected Party

RE: INVITATION TO PARTICIPATE: ENVIRONMENTAL IMPACT ASSESSMENT PROCESS INCLUDING AN INTEGRATED WATER USE LICENSE APPLICATION FOR THE PROPOSED 1 GW UPINGTON SOLAR PARK WITHIN THE //KHARA HAIS MUNICIPALITY, NORTHERN CAPE PROVINCE

Lidwala Consulting Engineers (SA) (Pty) Ltd (Lidwala SA) has been appointed by CEF (SOC) Ltd to conduct an Environmental Impact Assessment (EIA) for the proposed 1 GW Upington Solar Park in the Northern Cape Province.

Please find attached the Notification Letter, Background Information Document (BID) and Registration & Comment Form for your attention.

YOUR COMMENT IS IMPORTANT

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- Submitting your completed registration and comment form to us
- Writing a letter to be received by us via e-mail, fax or phoning the public participation office (see contact details below).

CONTACT PERSONS:

Irmé Van Zyl or Bongsi Mhlanga
P.O. Box 32497, Waverley, 0135
Tel: 072 222 6194 / (0861) 543 9252
Fax: (086) 764 9252
E-mail: upingtonsolarpark@lidwala.com

Kind Regards

Irmé Van Zyl

Mobile: 072 222 6194

Irmé van Zyl

From: postmaster@caa.co.za
Sent: 06 February 2014 05:55 PM
To: ibvanzyl@telkomsa.net
Subject: Delivered: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)
Attachments: details.txt; Untitled attachment 00509.txt

Your message has been delivered to the following recipients:

strohl@caa.co.za

Subject: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)

Irmé van Zyl

From: Mail Delivery System <MAILER-DAEMON@rrba-ip-smtp-6-5.saix.net>
Sent: 06 February 2014 05:50 PM
To: ibvanzyl@telkomsa.net
Subject: Undelivered Mail Returned to Sender
Attachments: details.txt; Undelivered Message Headers.txt

This is the mail system at host rrba-ip-smtp-6-5.saix.net.

I'm sorry to have to inform you that your message could not be delivered to one or more recipients. It's attached below.

For further assistance, please send mail to postmaster.

If you do so, please include this problem report. You can delete your own text from the attached returned message.

The mail system

<pretoriusk@caa.org.za>: host mail.caa.org.za[197.221.14.68] said: 550
Unroutable address (in reply to RCPT TO command)

<robertsh@caa.org.za>: host mail.caa.org.za[197.221.14.68] said: 550 Unroutable
address (in reply to RCPT TO command)

Irmé van Zyl

From: Jenna Lavin <jlavin@sahra.org.za>
Sent: 07 February 2014 07:27 AM
To: Irmé van Zyl
Subject: Re: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)

Thank you for your indication that development is to take place in this area. Please note that SAHRA no longer accepts documents via email or through the post. In order for SAHRA to comment on this case you are required to lodge the application through our online application system, SAHRIS (www.sahra.org.za). You will first need to register and await for the confirmation email before you will be able to create the case on SAHRIS. If you require any assistance you can browse through the help tutorials on the website or alternatively give us a call at the office.

Jenna Lavin

Heritage Officer
Archaeology, Palaeontology and Meteorites Unit
South African Heritage Resources Agency

111 Harrington Street
PO Box 4637,
Cape Town
8000,
South Africa

E-mail: jlavin@sahra.org.za
Phone : +27 (0)21 462 4502
Fax : +27 (0)21 462 4509
Web : www.sahra.org.za

From: "Irmé van Zyl" <ibvanzyl@telkomsa.net>
To: "Irmé van Zyl" <ibvanzyl@telkomsa.net>
Sent: Thursday, 6 February, 2014 5:47:56 PM
Subject: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)

DEA Ref No: 14/12/16/3/3/2/588

Dear Interested and/or Affected Party

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- Writing a letter to be received by us via e-mail, fax or phoning the public participation office (see contact details below).

CONTACT PERSONS:

Irmé Van Zyl or Bongji Mhlanga

P.O. Box 32497, Waverley, 0135

Tel: 072 222 6194 / (0861) 543 9252

Fax: (086) 764 9252

E-mail: upingtonsolarpark@lidwala.com

Kind Regards

Irmé Van Zyl

Mobile: 072 222 6194

This electronic communication and its content(s) are subject to a disclaimer which can be accessed on the following link:
<http://mail.sahra.org.za/disclaimer.html>

Irmé van Zyl

From: sahrisadmin@sahra.org.za
Sent: 07 February 2014 11:46 AM
To: ibvanzyl@telkomsa.net
Subject: Your membership request was approved for 'Mpho Mthembu Central Energy Fund'

irme.vanzyl,

You are now a member in the group 'Mpho Mthembu Central Energy Fund' located at <http://www.sahra.org.za/node/155781>

Irmé van Zyl

From: Mail Delivery System <MAILER-DAEMON@rrba-ip-smtp-6-5.saix.net>
Sent: 06 February 2014 05:50 PM
To: ibvanzyl@telkomsa.net
Subject: Successful Mail Delivery Report
Attachments: details.txt; Message Headers.txt

This is the mail system at host rrba-ip-smtp-6-5.saix.net.

Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system

<carmen.abrahams@dpw.gov.za>: delivery via
securemail-mx1.synaq.com[196.35.198.158]:25: 250 OK id=1WBRCW-0002A3-91

<hendrik.vanniekerk@dpw.gov.za>: delivery via
securemail-mx1.synaq.com[196.35.198.158]:25: 250 OK id=1WBRCW-0002A3-91

<Mbetekc@eskom.co.za>: delivery via
cluster1.sa.message-labs.com[196.14.170.83]:25: 250 ok 1391701758 qp 31288
server-15.tower-212.message-labs.com!1391701755!3160847!1

<ilavin@sahra.org.za>: delivery via inbound.mm.mweb.net[196.28.101.20]:25: 250
OK id=1WBRCs-0001aK-MZ

Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 05 February 2014 05:45 PM
To: Bongi Mhlanga (BMhlanga@lidwala.com)
Cc: Marinus Boon (MBoon@lidwala.com)
Subject: Solar Park

Hi Bongi,

I have received a phone call from a person in Summerset West that claims that he has power of attorney on the farm and that the farm actually belongs to his late mother but due to a lot of fraud it was taken from them.

He is seeing his attorney tomorrow but I did manage to obtain his particulars. I asked him to provide copies of the documents at his disposal to enable CEF's legal advisers to have a look at it. I explained the process shortly & that more information and maps would be sent to him. I also asked him that his attorney must also provide his particulars so that the information can be sent to him too.

Take note that this person is Afrikaans.

Mnr	Steenkamp	David N.S.	Claims to have Power of attorney on the property	50 Rubensweg, Macassar, Summerset West, 7130	021 857 2274	07
-----	-----------	------------	--------------------------------------------------	----------------------------------------------	--------------	----

This should be brought to the developer's attention as it might cause some legal issues or appeals later on.

Irmé van Zyl (ND: Nat Cons, FD: Env Edu, MEM)
Van Zyl Environmental Consultants cc
PO Box 567
Upington
8800
Tel: 054 338 0722
Fax: 086 624 0306
Mobile: 072 222 6194
Email: ibvanzyl@telkomsa.net

Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 07 February 2014 05:04 AM
To: Bongi Mhlanga (BMhlanga@lidwala.com)
Cc: Marinus Boon (MBoon@lidwala.com)
Subject: Upington Solar Park Comment

Dear Bongi,

The following comment was received from the neighbour to the South of the farm that would need attention. Take note that the person is Afrikaans.

Mr	Louw	Chris	Ptn (wingerd/grapes)	22/451	PO Box 592, Upington, 8800	054 1111	333			06/02/2014: Mr Louw phoned listed. He is worr nuisance on his g business as he is the South. He wo servitude for pip infrastructure or also worried abo allocation as the Orange River has allocated.
								073 144 7529	Per post	

This identifies the issue that the BID only mentions the WULA that will be applied for & associated infrastructure. The BID also makes provision for a CSP plant.

Such a plant uses a lot of water & would also need oxidation/retention dams and possibly a canal for water to be fed back into the Orange River.

As there is currently a CSP plant being built here with the entire associated infrastructure – the pipeline from the river and the canal back to the river - the residents & the farmers of the area are aware of these associated activities and water use that is not addressed in the BID and from the above is already commenting & asking information regarding it that I cannot answer. I request them to put their concerns in writing and submit it when they receive the documentation that is being distributed.

Consultation with DWA regarding this aspect should be initiated by the developer as to the water availability from the Orange River or other resources for the requirements of a CSP plant.

Farmers experience overuse of their existing canals & due to new developments (agric. & residential) there is not any capacity for further water usage from it. They would also be worried about water allocations from the Orange River as it seems as if there are possibly also over allocations from that resource.

These should be addressed before meetings are scheduled as these WILL be asked.

Would a pipeline be a separate EIA application as currently I am not informing any land owners en route to the river? Only adjacent to the farm.

Should it be the case, provision should still be made for enquiries from the I&APs.

Could this be cleared & feedback given to me?

Best Regards,

Irmé van Zyl (ND: Nat Cons, FD: Env Edu, MEM)
Van Zyl Environmental Consultants cc
PO Box 567

Upington

8800

Tel: 054 338 0722

Fax: 086 624 0306

Mobile: 072 222 6194

Email: ibvanzyl@telkomsa.net

Irmé van Zyl

From: Charl Jooste <Charl@solarcapital.co.za>
Sent: 07 February 2014 07:33 AM
To: upingtonsolarpark@lidwala.com
Subject: Registration as I&AP and request for BID

Good day,

I wish to be registered as an Interested and Affected Party for you Upington Solar Park project EIA.

Will you also please forward the Background Information Document to me.

Kind Regards

Charl Jooste Pr.Eng

Head of Engineering & Technical Services

Solar Capital Pty (Ltd)

Tel: +27 (0)21 433 0366
Cell: +27 (0)82 882 7170
Fax: +27 (0)21 433 2099
Email: charl@solarcapital.co.za
Web: www.solarcapital.co.za

Physical Address:
47 Main Road, Green Point,
Cape Town, 8005, South Africa
Postal Address:
PO Box 1199, Green Point,
Cape Town, 8051, South Africa



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Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 07 February 2014 05:53 AM
Subject: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)
Attachments: 2014-02-05 - CEF Upington Solar Park - Briefing Paper (Eng) FINAL - CR.pdf; 2014-02-05 CEF UPINGTON - BID Notification Letter (Eng) FINAL - CR.pdf; 2014-02-05 1 GW Upington Sonkragaanleg OIS- BID (Afr) FINAL.pdf; 2014-02-05 CEF UPINGTON - BID Notification Letter (Afrikaans) FINAL.pdf; 2014-02-05 1 GW Upington Solar Park Comment Form (Afr) FINAL.pdf; 2014-02-05 1 GW Upington Solar Park Comment Form (Eng) FINAL - CR.pdf

Tracking:

Recipient

Read

mariep@ewt.org.za

'wessanc@yahoo.com'

info@nocciupt.co.za

donovan@nocciupt.co.za

'patricia@ncapeeda.co.za'

ferdieb@idc.co.za

'upington@idc.co.za'

energy@birdlife.org.za

conservation@birdlife.org.za

Read: 2014/02/07 07:41 AM

johannes.visser@airports.co.za

'kobus@nelenvennote.co.za'

'peo@rekopane-estates.co.za'

'hanlie@dutoitvandenheever.co.za'

'mary-ann.fife@gbcsa.org.za'

'hminnaar@geoscience.org.za'

DEA Ref No: 14/12/16/3/3/2/588

Dear Interested and/or Affected Party

RE: INVITATION TO PARTICIPATE: ENVIRONMENTAL IMPACT ASSESSMENT PROCESS INCLUDING AN INTEGRATED WATER USE LICENSE APPLICATION FOR THE PROPOSED 1 GW UPINGTON SOLAR PARK WITHIN THE //KHARA HAIS MUNICIPALITY, NORTHERN CAPE PROVINCE

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CONTACT PERSONS:

Irmé Van Zyl or Bongsi Mhlanga

P.O. Box 32497, Waverley, 0135

Tel: 072 222 6194 / (0861) 543 9252

Fax: (086) 764 9252

E-mail: upingtonsolarpark@lidwala.com

Kind Regards

Irmé Van Zyl

Mobile: 072 222 6194

Irmé van Zyl

From: Mail Delivery System <MAILER-DAEMON@rrba-ip-smtp-3-4.saix.net>
Sent: 07 February 2014 11:24 AM
To: ibvanzyl@telkomsa.net
Subject: Successful Mail Delivery Report
Attachments: details.txt; Message Headers.txt

This is the mail system at host rrba-ip-smtp-3-4.saix.net.

Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system

<annalise@thirstylight.co.za>: delivery via
corpmx.worldonline.co.za[196.28.76.14]:25: 250 OK id=1WBhdv-000HEV-Tc

<christo@thirstylight.co.za>: delivery via
corpmx.worldonline.co.za[196.28.76.14]:25: 250 OK id=1WBhdv-000HEV-Tc

<devoncjansen@gmail.com>: delivery via
gmail-smtp-in.l.google.com[173.194.78.27]:25: 250 2.0.0 OK 1391764965
ba4si1963651wjb.78 - gsmtpt

<Jonathan.Frick@mainstreamrp.com>: delivery via
mailc.mainstreamrp.com[86.47.230.99]:25: 250 ok: Message 211135 accepted

<Mike.Mangnall@mainstreamrp.com>: delivery via
mailc.mainstreamrp.com[86.47.230.99]:25: 250 ok: Message 211135 accepted

<dana@bluescience.co.za>: delivery via bluescience.co.za[50.87.135.77]:25: 250
OK id=1WBhdz-0003uF-J7

<hp.vanheerden@solar.abengoa.com>: delivery via
mx2.abengoa.com[217.15.37.40]:25: 250 2.0.0 OK A3/1B-07883-263A4F25

<alwyn@saaea.org>: delivery via mail.saaea.org[174.36.117.4]:25: 250 OK

Irmé van Zyl

From: Mail Delivery System <MAILER-DAEMON@rrba-ip-smtp-3-5.saix.net>
Sent: 07 February 2014 05:55 AM
To: ibvanzyl@telkomsa.net
Subject: Successful Mail Delivery Report
Attachments: details.txt; Message Headers.txt

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Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system

<patricia@ncapeeda.co.za>: delivery via mail.intekom.co.za[196.25.211.70]:25:
250 ok: Message 289876868 accepted

<conservation@birdlife.org.za>: delivery via
mail.birdlife.org.za[197.242.144.9]:25: 250 OK id=1WBcWS-0002Mf-Bp

<energy@birdlife.org.za>: delivery via mail.birdlife.org.za[197.242.144.9]:25:
250 OK id=1WBcWS-0002Mf-Bp

<johannes.visser@airports.co.za>: delivery via
mail1.airports.co.za[196.35.117.221]:25: 250 B52f458fd0000 Message accepted
for delivery

<peo@rekopane-estates.co.za>: delivery via
mail.rekopane-estates.co.za[196.41.123.88]:25: 250 OK id=1WBcWT-0003pz-Ug

<hminnaar@geoscience.org.za>: delivery via
cluster1.sa.message-labs.com[196.14.170.67]:25: 250 ok 1391745280 qp 4934
server-6.tower-211.message-labs.com!1391745277!3106188!1

<donovan@nocciupt.co.za>: delivery via mail.nocciupt.co.za[196.22.132.26]:25:
250 OK id=1WBcWW-00054f-Bk

<info@nocciupt.co.za>: delivery via mail.nocciupt.co.za[196.22.132.26]:25: 250
OK id=1WBcWW-00054f-Bk

<wessanc@yahoo.com>: delivery via mta7.am0.yahoodns.net[63.250.192.46]:25: 250
ok dirdel

Irmé van Zyl

From: postmaster@gbcsa.org.za
Sent: 07 February 2014 05:55 AM
To: ibvanzyl@telkomsa.net
Subject: Delivered: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)
Attachments: details.txt; Untitled attachment 00033.txt

Your message has been delivered to the following recipients:

mary-ann.fife@gbcsa.org.za

Subject: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)

Irmé van Zyl

From: Mary-Ann Fife <mary-ann.fife@gbcsa.org.za>
Sent: 07 February 2014 05:55 AM
To: Irmé van Zyl
Subject: Automatic reply: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)

I am on leave study leave until 10 February 2014 and will attend to your email on my return.

Please contact Jodi or Alain for any urgent queries on 0861042272

Mary-Ann

Irmé van Zyl

From: Hanneline Smit-Robinson <conservation@birdlife.org.za>
Sent: 07 February 2014 05:55 AM
To: Irmé van Zyl
Subject: Out of Office

Thank-you for your email. I'm currently out-of-office until 10 February 2014. Please note that emails are not being auto-forwarded. For urgent queries, please contact linda.vdheever@birdlife.org.za or 011 789 1122.

Kind regards
Hanneline

Irmé van Zyl

From: Simon Gear <advocacy@birdlife.org.za>
Sent: 07 February 2014 03:51 PM
To: upingtonsolarpark@lidwala.com
Cc: 'Samantha Ralston'
Subject: Upington Solar Park I&AP registration

Good day Irma.

Please register BirdLife South Africa as an I&AP on the Solar Park EIA. Our details are as per my signature below and I will be the point contact on the project from BirdLife South Africa's point of view. We may make some initial comments in due course but will certainly comment on the Scoping report.

Thanks,

Simon Gear
Policy & Advocacy Manager



Lewis House, 239 Barkston Drive, Blairgowrie 2194, Gauteng
P.O. Box 515, Randburg 2125, Gauteng, South Africa
Tel: +27 (0)11 789 1122 / 0860 BIRDER
Fax: +27 (0)11 789 5188
Cell: +27 (0) 82 821 4975
E-mail: advocacy@birdlife.org.za
<http://www.birdlife.org.za> <http://birdingroutes.co.za>



<https://www.facebook.com/pages/Birdlife-South-Africa/112371882122716>

https://twitter.com/Ruffled_feather

SMS 'birdlife' to 38878 and help Give Conservation Wings R10 per SMS. Free SMS and SMS bundles do not apply, All proceeds, less service provider fees, will be donated to BirdLife South Africa. Error messages will be billed. More details on BirdLife South Africa website.

The Policy & Advocacy Division is supported by The Royal Society for Protection of Birds (RSPB), Aage V. Jensen Charity Foundation, BirdLife International, the Spanish Agency for International Development Cooperation (AECID), Association of Veterinary and Crop Associations of South Africa and CropLife South Africa.



AAGE V. JENSEN CHARITY FOUNDATION



Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 17 February 2014 11:35 AM
To: 'advocacy@birdlife.org.za'
Subject: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)
Attachments: 2014-02-05 - CEF Upington Solar Park - Briefing Paper (Eng) FINAL - CR.pdf; 2014-02-05 CEF UPINGTON - BID Notification Letter (Eng) FINAL - CR.pdf; 2014-02-05 1 GW Upington Sonkragaanleg OIS- BID (Afr) FINAL.pdf; 2014-02-05 CEF UPINGTON - BID Notification Letter (Afrikaans) FINAL.pdf; 2014-02-05 1 GW Upington Solar Park Comment Form (Afr) FINAL.pdf; 2014-02-05 1 GW Upington Solar Park Comment Form (Eng) FINAL - CR.pdf

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Tel: 072 222 6194 / (0861) 543 9252
Fax: (086) 764 9252
E-mail: upingtonsolarpark@lidwala.com

Kind Regards

Irmé Van Zyl

Mobile: 072 222 6194

Irmé van Zyl

From: Mail Delivery System <MAILER-DAEMON@rrba-ip-smtp-3-5.saix.net>
Sent: 17 February 2014 11:36 AM
To: ibvanzyl@telkomsa.net
Subject: Successful Mail Delivery Report
Attachments: details.txt; Message Headers.txt

This is the mail system at host rrba-ip-smtp-3-5.saix.net.

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The mail system

<advocacy@birdlife.org.za>: delivery via
mail.birdlife.org.za[197.242.144.9]:25: 250 OK id=1WFKcF-0000Kt-7P

Irmé van Zyl

From: Mail Delivery Subsystem <postmaster@mailsrv.nelenvennote.co.za>
Sent: 07 February 2014 05:54 AM
To: ibvanzyl@telkomsa.net
Subject: Message delivered: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)
Attachments: details.txt; Untitled attachment 00040.txt

This is an informative message sent by mailsrv.nelenvennote.co.za.

The server has successfully delivered your mail message

Subject: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/ ...
Date: Fri, 7 Feb 2014 05:53:14 +0200

to the following addresses:

<kobus@nelenvennote.co.za> (delivered)

Irmé van Zyl

From: Marie Parramon-Gurney <mariep@ewt.org.za>
To: 'Irmé van Zyl '
Sent: 07 February 2014 02:08 PM
Subject: Read: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)

Your message

To: Irmé van Zyl
Subject: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)
Sent: 2014/02/07 05:53 AM

was read on 2014/02/07 02:07 PM.

Irmé van Zyl

From: postmaster@svctag-388871j.telkomsa.net
Sent: 07 February 2014 04:51 PM
To: ibvanzyl@telkomsa.net
Subject: Delivery Status Notification (Relay)
Attachments: details.txt; UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/... (2.70 MB)

This is an automatically generated Delivery Status Notification.

Your message has been successfully relayed to the following recipients, but the requested delivery status notifications may not be generated by the destination.

ferdieb@idc.co.za
upington@idc.co.za

Irmé van Zyl

From: Ferdie Botha <FerdieB@idc.co.za>
To: Irmé van Zyl
Sent: 07 February 2014 05:42 PM
Subject: Read: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)

Your message

To: Ferdie Botha
Subject: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)
Sent: Friday, February 07, 2014 5:53:14 AM (UTC+02:00) Harare, Pretoria

was read on Friday, February 07, 2014 5:41:44 PM (UTC+02:00) Harare, Pretoria.

"To give us feedback on our service levels, please email your comments to service@idc.co.za"

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This e-mail message has been scanned for Viruses and Content and cleared by **NetIQ**
MailMarshal

Irmé van Zyl

From: WESSA Northern Cape <wessanc@yahoo.com>
Sent: 10 February 2014 09:31 AM
To: Irmé van Zyl
Subject: Re: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)

Dear Irmé

Unlike most other Regions, the Northern Cape Region of WESSA has no staff, and is run by a group of volunteers. We currently have nobody on our Committee to handle the Conservation portfolio, and pressure of work means that **we are not able to attend meetings or participate in Environmental Impact Assessments at this time. Please note that a lack of response does not mean that we condone this project; it simply means that we do not have the capacity to deal with these matters.**

Please do not send any faxes, hardcopies or discs to us, unless specifically requested. We cannot currently cope with these and they will be destroyed. **Registered letters are NOT collected. We prefer to communicate by e-mail.**

Suzanne Erasmus
Chairperson
WESSA (Northern Cape Region)
PO Box 316
8300 Kimberley
Tel 053 839 2717 w
Fax 053 842 1433 w
Cell 082 849 7655
wessanc@yahoo.com
<http://www.wessa.org.za>

This e-mail message, and any attached files, are confidential and may contain privileged information. Any views expressed in this message are those of the sender, except where the sender specifically states them to be the view of WESSA. In the interests of effective and appropriate communication, anyone who is not an addressee of this e-mail, may not copy, disclose, distribute or otherwise use it, or any part of it, in any form whatsoever. Furthermore, no-one may further distribute this email, or any part of it, without permission of the author. If you are not the intended recipient, please notify the sender immediately by return email, and then delete this email.

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
To: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: Friday, 7 February 2014, 5:53
Subject: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)

DEA Ref No: 14/12/16/3/3/2/588

Dear Interested and/or Affected Party

RE: INVITATION TO PARTICIPATE: ENVIRONMENTAL IMPACT ASSESSMENT PROCESS INCLUDING AN INTEGRATED WATER USE LICENSE APPLICATION FOR THE PROPOSED 1 GW UPINGTON SOLAR PARK WITHIN THE //KHARA HAIS MUNICIPALITY, NORTHERN CAPE PROVINCE

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- Submitting your completed registration and comment form to us
- Writing a letter to be received by us via e-mail, fax or phoning the public participation office (see contact details below).

CONTACT PERSONS:

Irmé Van Zyl or Bongji Mhlanga

P.O. Box 32497, Waverley, 0135

Tel: 072 222 6194 / (0861) 543 9252

Fax: (086) 764 9252

E-mail: upingtonsolarpark@lidwala.com

Kind Regards

Irmé Van Zyl

Mobile: 072 222 6194

Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 07 February 2014 11:21 AM
Subject: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)
Attachments: 2014-02-05 - CEF Upington Solar Park - Briefing Paper (Eng) FINAL - CR.pdf; 2014-02-05 CEF UPINGTON - BID Notification Letter (Eng) FINAL - CR.pdf; 2014-02-05 1 GW Upington Sonkragaanleg OIS- BID (Afr) FINAL.pdf; 2014-02-05 CEF UPINGTON - BID Notification Letter (Afrikaans) FINAL.pdf; 2014-02-05 1 GW Upington Solar Park Comment Form (Afr) FINAL.pdf; 2014-02-05 1 GW Upington Solar Park Comment Form (Eng) FINAL - CR.pdf

Tracking:

Recipient

Read

Alwyn@saaea (alwyn@saaea.org)

Annalise Olivier (annalise@thirstylight.co.za)

Read: 2014/02/07 12:53 PM

'Christo De Beer' (christo@thirstylight.co.za)

Read: 2014/02/07 11:39 AM

Mike Mangnall
(Mike.Mangnall@mainstreamrp.com)

Jonathan Frick (Jonathan.Frick@mainstreamrp.com)

Dana Grobler (dana@bluescience.co.za)

Devon Jansen (devonjansen@gmail.com)

'hp.vanheerden@solar.abengoa.com'

'charl@solarcapital.co.za'

DEA Ref No: 14/12/16/3/3/2/588

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Irmé Van Zyl or Bongsi Mhlanga
P.O. Box 32497, Waverley, 0135

Tel: 072 222 6194 / (0861) 543 9252
Fax: (086) 764 9252
E-mail: upingtonsolarpark@lidwala.com

Kind Regards

Irmé Van Zyl

Mobile: 072 222 6194

Irmé van Zyl

From: Charl Jooste <Charl@solarcapital.co.za>
Sent: 07 February 2014 12:33 PM
To: Irmé van Zyl
Subject: RE: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)

Thank you very much Irmé.

Kind Regards

Charl Jooste Pr.Eng

Head of Engineering & Technical Services

Solar Capital Pty (Ltd)

Tel: +27 (0)21 433 0366
Cell: +27 (0)82 882 7170
Fax: +27 (0)21 433 2099
Email: charl@solarcapital.co.za
Web: www.solarcapital.co.za

Physical Address:
47 Main Road, Green Point,
Cape Town, 8005, South Africa
Postal Address:
PO Box 1199, Green Point,
Cape Town, 8051, South Africa



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From: Irmé van Zyl [<mailto:ibvanzyl@telkomsa.net>]
Sent: 07 February 2014 11:21
To: Irmé van Zyl
Subject: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)

DEA Ref No: 14/12/16/3/3/2/588

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Irmé Van Zyl or Bongji Mhlanga

P.O. Box 32497, Waverley, 0135

Tel: 072 222 6194 / (0861) 543 9252

Fax: (086) 764 9252

E-mail: upingtonsolarpark@lidwala.com

Kind Regards

Irmé Van Zyl

Mobile: 072 222 6194

Irmé van Zyl

From: Elene Louise Vlok <vlokeline@gmail.com>
Sent: 10 February 2014 11:53 AM
To: upingtonsolarpark@lidwala.com
Subject: Navraag Upington Solarpark

Aandag: Irme van Zyl. Lidwala SA.(Edms)Bpk. Navraag vir die voorgestelde 1 GW Sonkrag DEA Verwysingsnr. 14/12/16/3/3/2/588. Benodig agtergrondinligtingsdoku-ment (AID). Ek is 'n geaffekteerde Party - buurplaas. Groete. Ampie Vlok. Selfoon 0827867726. Jammer. Selfoonnr. Was in vorige e-pos verkeerd.
Sent via my BlackBerry from Vodacom - let your email find you!

Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 10 February 2014 12:21 PM
To: 'vlokelene@gmail.com'
Cc: Bongji Mhlanga (BMhlanga@lidwala.com); Marinus Boon (MBoon@lidwala.com)
Subject: RE: Navraag Upington Solarpark

Goeie dag Elene en Ampie,

Ek stuur graag vir julle die dokumentasie.

Kan dit per epos versend word? Indien nie, kan ek die harde kopiee versend en het u adres dan nodig.

Kan u asseblief die plaasnaam en nommer verskaf? Daar is buurplase wat in besighede geregistreer is wat die kontakpersone nog nie opspoor is nie.

Ek verneem graag van u.

Groete,
Irmé van Zyl

Rig alle kommentaar, navrae en antwoorde aan:

Lidwala Raadgewende Ingenieurs (SA)
· Posbus 32497, Waverley, 0135

VIR AANDAG:

Irmé Van Zyl of Bongji Mhlanga
· Tel: 0861 543 9252/ 072 222 6194
· Faks: 086 764 9282
· E-pos: upingtonsolarpark@lidwala.com
· Webwerf: www.lidwala.com

-----Original Message-----

From: Elene Louise Vlok [<mailto:vlokelene@gmail.com>]
Sent: 10 February 2014 11:53 AM
To: upingtonsolarpark@lidwala.com
Subject: Navraag Upington Solarpark

Aandag: Irme van Zyl. Lidwala SA.(Edms)Bpk. Navraag vir die voorgestelde 1 GW Sonkrag DEA Verwysingsnr. 14/12/16/3/3/2/588. Benodig agtergrondinligtingsdoku-ment (AID). Ek is 'n geaffekteerde Party - buurplaas. Groete. Ampie Vlok. Selfoon 0827867726. Jammer. Selfoonnr. Was in vorige e-pos verkeerd.
Sent via my BlackBerry from Vodacom - let your email find you!

Irmé van Zyl

From: Mail Delivery System <MAILER-DAEMON@rrba-ip-smtp-3-4.saix.net>
Sent: 10 February 2014 12:21 PM
To: ibvanzyl@telkomsa.net
Subject: Successful Mail Delivery Report
Attachments: details.txt; Message Headers.txt

This is the mail system at host rrba-ip-smtp-3-4.saix.net.

Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system

<vlokeline@gmail.com>: delivery via
gmail-smtp-in.l.google.com[173.194.66.27]:25: 250 2.0.0 OK 1392027688
co8si7394369wjb.124 - gsmtip

Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 10 February 2014 02:25 PM
To: vlokene@gmail.com
Cc: Marinus Boon (MBoon@lidwala.com); Bongsi Mhlanga (BMhlanga@lidwala.com)
Subject: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)
Attachments: 2014-02-05 CEF UPINGTON - BID Notification Letter (Afrikaans) FINAL.pdf; 2014-02-05 1 GW Upington Solar Park Comment Form (Afr) FINAL.pdf; 2014-02-05 1 GW Upington Sonkragaanleg OIS- BID (Afr) FINAL REV 2014 02 10.pdf

DEA Ref No: 14/12/16/3/3/2/588

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CONTACT PERSONS:

Irmé Van Zyl or Bongsi Mhlanga
P.O. Box 32497, Waverley, 0135
Tel: 072 222 6194 / (0861) 543 9252
Fax: (086) 764 9252
E-mail: upingtonsolarpark@lidwala.com

Kind Regards

Irmé Van Zyl

Mobile: 072 222 6194

Irmé van Zyl

From: Mail Delivery System <MAILER-DAEMON@rrba-ip-smtp-3-5.saix.net>
Sent: 10 February 2014 02:25 PM
To: ibvanzyl@telkomsa.net
Subject: Successful Mail Delivery Report
Attachments: details.txt; Message Headers.txt

This is the mail system at host rrba-ip-smtp-3-5.saix.net.

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The mail system

<vlokene@gmail.com>: delivery via
gmail-smtp-in.l.google.com[173.194.66.26]:25: 250 2.0.0 OK 1392035120
ci1si6711290wib.83 - gsmtip

Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 07 February 2014 02:47 PM
Subject: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)
Attachments: 2014-02-05 - CEF Upington Solar Park - Briefing Paper (Eng) FINAL - CR.pdf; 2014-02-05 CEF UPINGTON - BID Notification Letter (Eng) FINAL - CR.pdf; 2014-02-05 1 GW Upington Sonkragaanleg OIS- BID (Afr) FINAL.pdf; 2014-02-05 CEF UPINGTON - BID Notification Letter (Afrikaans) FINAL.pdf; 2014-02-05 1 GW Upington Solar Park Comment Form (Afr) FINAL.pdf; 2014-02-05 1 GW Upington Solar Park Comment Form (Eng) FINAL - CR.pdf
Bcc: Mpho Muswubi (MuswubMD@eskom.co.za); Mpho Muswubi (muswubmd@gmail.com); 'hanlie@dtvdh.co.za'

DEA Ref No: 14/12/16/3/3/2/588

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P.O. Box 32497, Waverley, 0135
Tel: 072 222 6194 / (0861) 543 9252
Fax: (086) 764 9252
E-mail: upingtonsolarpark@lidwala.com

Kind Regards

Irmé Van Zyl

Mobile: 072 222 6194

Irmé van Zyl

From: Mpho Muswubi <MuswubMD@eskom.co.za>
Sent: 07 February 2014 04:48 PM
To: Irmé van Zyl
Subject: RE: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)

Hi, Notification received.
Thanks

From: Irmé van Zyl [<mailto:ibvanzyl@telkomsa.net>]
Sent: 07 February 2014 02:47 PM
To: Irmé van Zyl
Subject: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)

DEA Ref No: 14/12/16/3/3/2/588

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Tel: 072 222 6194 / (0861) 543 9252
Fax: (086) 764 9252
E-mail: upingtonsolarpark@lidwala.com

Kind Regards

Irmé Van Zyl

Mobile: 072 222 6194

I'm part of the 49Million initiative.

Irmé van Zyl

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The mail system

<MuswubMD@eskom.co.za>: delivery via
cluster1.sa.message-labs.com[196.14.170.67]:25: 250 ok 1391777318 qp 9434
server-9.tower-211.message-labs.com!1391777315!3186393!1

<muswubmd@gmail.com>: delivery via
gmail-smtp-in.l.google.com[173.194.78.26]:25: 250 2.0.0 OK 1391777321
mb19si1413283wic.24 - gsmtip

<hanlie@dtvdh.co.za>: delivery via dtvdh.co.za[196.41.123.88]:25: 250 OK
id=1WBkrH-0005Zt-LI

Irmé van Zyl

From: christine.hanekom <plan.past@kharahais.gov.za>
Sent: 27 January 2014 10:50 AM
To: 'Irmé van Zyl'
Subject: RE: 15/2013: Restant van die plaas Klipkraal 451

More Irme

Jammer ek kom nou eers na jou toe terug was verlede week in Kimberley. Die Raadslid vir Wyk 11 soos deur jou aangevra is Raadslid I van Wyk, LUSERNSTRAAT 19, KALKSLOOT.

Hoop jy kom reg
Christine Hanekom
Stadsbeplanning Assistent
//KHARA HAIS MUNISIPALITEIT
Direktoraat Infrastruktuur Ontwikkeling
Subdirektoraat Stadsbeplanning en Boubeheer
Privaatsak X6003
UPINGTON
8800
Telefoonnommer: 054-3387372
Faksnommer: 054-3387373
E-pos: plan.past@kharahais.gov.za

From: Irmé van Zyl [<mailto:ibvanzyl@telkomsa.net>]
Sent: 23 January 2014 02:04 PM
To: christine.hanekom
Subject: 15/2013: Restant van die plaas Klipkraal 451

Goeie middag Christine,

Kan jy my dalk verwys na die regte persoon wat vir my sal kan sê wie die wyksraadslid is van die area waarin hierdie plaas val (wyk 11??).

Dit is die plaas langsaan die plaas waar hulle die CSP Plant bou.

Dankie,

Irmé van Zyl (ND: Nat Cons, FD: Env Edu, MEM)
Van Zyl Environmental Consultants cc
PO Box 567
Upington
8800
Tel: 054 338 0722
Fax: 086 624 0306
Mobile: 072 222 6194
Email: ibvanzyl@telkomsa.net

Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 25 February 2014 08:15 AM
To: 'Funk, Marion'
Subject: RE: Upington Solar Park

Dear Marion,

Thank you for taking the time to enquire about the project.
The information will be sent to you shortly.
Please complete the registration form and send it back to me.

Best Regards,
Irmé van Zyl

CONTACT PERSONS:

Irmé Van Zyl or Bongji Mhlanga
P.O. Box 32497, Waverley, 0135
Tel: 072 222 6194 / (0861) 543 9252
Fax: (086) 764 9252
E-mail: upingtonsolarpark@lidwala.com

From: Funk, Marion [<mailto:Marion.Funk@gtai.de>]
Sent: 24 February 2014 02:43 PM
To: upingtonsolarpark@lidwala.com
Subject: Upington Solar Park

Dear Sir or Madam,

We as Germany Trade & Invest would like to register as interested party for the Upington Solar park project. Please forward us with information on the project.

Thanks a lot!
Best regards

(Ms) Marion Funk
Research Manager
South Africa

Germany Trade and Invest
- Gesellschaft für Außenwirtschaft und Standortmarketing mbH -
Johannesburg Office

Postal address:
P.O. Box 87078
Houghton
2041

Physical address:
47 Oxford Road
Forest Town
Johannesburg

T. +27 (0)11 486 0198
F. +27 (0)86 242 8475

marion.funk@gtai.de
www.gtai.com



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Dr. Benno Bunse, Chairman/CEO

Dr. Jürgen Friedrich, CEO

Chairperson of the Supervisory Board:

Anne Ruth Herkes, former State Secretary in the Federal Ministry for Economic Affairs and Energy

Registered at Local District Court: Charlottenburg

Registration Number: HRB 107541 B

Promoted by the Federal Ministry for Economic Affairs and Energy and the Federal Government Commissioner for the New Federal States in accordance with a German Parliament resolution.

Irmé van Zyl

From: postmaster@gtai.lan
Sent: 25 February 2014 08:50 AM
To: ibvanzyl@telkomsa.net
Subject: Delivered: RE: Upington Solar Park
Attachments: details.txt; Untitled attachment 00042.txt

Your message has been delivered to the following recipients:

['Funk, Marion'](#)

Subject: RE: Upington Solar Park

Sent by Microsoft Exchange Server 2007

Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 25 February 2014 08:31 AM
To: Funk, Marion (Marion.Funk@gtai.de)
Subject: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)
Attachments: 2014-02-05 - CEF Upington Solar Park - Briefing Paper (Eng) FINAL - CR.pdf;
2014-02-05 CEF UPINGTON - BID Notification Letter (Eng) FINAL - CR.pdf;
2014-02-05 1 GW Upington Solar Park Comment Form (Eng) FINAL - CR.pdf

DEA Ref No: 14/12/16/3/3/2/588

Dear Interested and/or Affected Party

RE: INVITATION TO PARTICIPATE: ENVIRONMENTAL IMPACT ASSESSMENT PROCESS INCLUDING AN INTEGRATED WATER USE LICENSE APPLICATION FOR THE PROPOSED 1 GW UPINGTON SOLAR PARK WITHIN THE //KHARA HAIS MUNICIPALITY, NORTHERN CAPE PROVINCE

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- Writing a letter to be received by us via e-mail, fax or phoning the public participation office (see contact details below).

CONTACT PERSONS:

Irmé Van Zyl or Bongsi Mhlanga
P.O. Box 32497, Waverley, 0135
Tel: 072 222 6194 / (0861) 543 9252
Fax: (086) 764 9252
E-mail: upingtonsolarpark@lidwala.com

Kind Regards

Irmé Van Zyl

Mobile: 072 222 6194

Irmé van Zyl

From: postmaster@gtai.lan
Sent: 25 February 2014 09:38 AM
To: ibvanzyl@telkomsa.net
Subject: Delivered: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)
Attachments: details.txt; Untitled attachment 00052.txt

Your message has been delivered to the following recipients:

[Funk, Marion](#)

Subject: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)

Sent by Microsoft Exchange Server 2007

Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 03 March 2014 02:47 PM
Subject: 20: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)
Attachments: 2014-02-05 - CEF Upington Solar Park - Briefing Paper (Eng) FINAL - CR.pdf;
2014-02-05 CEF UPINGTON - BID Notification Letter (Eng) FINAL - CR.pdf;
2014-02-05 1 GW Upington Solar Park Comment Form (Eng) FINAL - CR.pdf
Bcc: 'fpr@zfm.gov.za'; permits@vodamail.co.za; 'zlangeveldt@ncpg.gov.za';
'jpaulse@ncpg.gov.za'; 'cfortune@agri.ncape.gov.za'; 'aditeme@ncpg.gov.za';
'aditeme@agri.ncape.gov.za'; 'lsehularo@ruraldevelopment.gov.za';
'cnkoane@ruraldevelopment.gov.za'; 'obmvula@ruraldevelopment.gov.za';
nfourie@ds.ncape.gov.za; 'klawrence@trpw.ncape.gov.za';
'msokatsha@ncpg.gov.za'; 'ascholtz@ncpg.gov.za'; 'cmunroe@ncpg.gov.za'

DEA Ref No: 14/12/16/3/3/2/588

Dear Interested and/or Affected Party

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Tel: 072 222 6194 / (0861) 543 9252
Fax: (086) 764 9252
E-mail: upingtonsolarpark@lidwala.com

Kind Regards

Irmé Van Zyl

Mobile: 072 222 6194

Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 03 March 2014 03:56 PM
Subject: 21: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)
Attachments: 2014-02-05 - CEF Upington Solar Park - Briefing Paper (Eng) FINAL - CR.pdf;
2014-02-05 CEF UPINGTON - BID Notification Letter (Eng) FINAL - CR.pdf;
2014-02-05 1 GW Upington Solar Park Comment Form (Eng) FINAL - CR.pdf
Bcc: frankedwardv@gmail.com; 'mariusn@gcis.gov.za'; 'precian@gcis.gov.za';
'nicolas.makey@dha.gov.za'; 'nick.makey@yahoo.com'; '8saiupt@gmail.com';
'cmidrm@mweb.co.za'; 'mletsoso@ncpg.gov.za'; 'eboikanyo@ncpg.gov.za';
'jpetersen@ncpg.gov.za'; 'ammoeimang@ncpg.gov.za'; 'alegrange@ncpg.gov.za';
'Mvanderlith@ncpg.gov.za'; 'jvs.dtec@gmail.com'; 'Pmbatha@ncpg.gov.za';
'ncpthod@ncpg.gov.za'; 'lletebele@ncpg.gov.za'; 'pkoloane@ncpg.gov.za';
'tmokae@ncpg.gov.za'; 'yvandyk@ncpg.gov.za'; 'moctober@ncpg.gov.za'

DEA Ref No: 14/12/16/3/3/2/588

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P.O. Box 32497, Waverley, 0135
Tel: 072 222 6194 / (0861) 543 9252
Fax: (086) 764 9252
E-mail: upingtonsolarpark@lidwala.com

Kind Regards

Irmé Van Zyl

Mobile: 072 222 6194

Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 04 March 2014 08:43 AM
Subject: 22: UPINGTON SONKRAG PARK VAN 1 GW, UPINGTON, NK : OIS & WULA KENNISGEWING (14/12/16/3/3/2/588)
Attachments: 2014-02-05 1 GW Upington Solar Park Comment Form (Afr) FINAL.pdf; 2014-02-05 1 GW Upington Sonkragaanleg OIS- BID (Afr) FINAL REV 2014 02 10.pdf; 2014-02-05 CEF UPINGTON - BID Notification Letter (Afrikaans) FINAL.pdf
Bcc: 'ADMIN@kharahais.gov.za'; 'tourism@kharahais.gov.za'; 'orlu@isat.co.za'

DO Verw No: 14/12/16/3/3/2/588

Geagte Belangstellende en/of Geaffekteerde Party

INSAKE: UITNODIGING VIR DEELNAME: OMGEWINGSIMPAKSTUDIE INSLUITENDE 'N GEÏNTEGREERDE WATER LISENSIE AANSOEK VIR DIE VOORGESTELDE 1 GW UPINGTON SONKRAGAAANLEG, NOORD KAAP PROVINSIE

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Vind aangeheg die kennisgewingsbrief, Agtergrond Informasie Dokument (AID), en Registrasie en Kommentaar Form asook registrasie en kommentaar form vir u aandag.

U KOMMENTAAR IS BELANGRIK

U word hiermee uitgenooi om formeel te registreer as 'n belangstellende en/of geaffekteerde party (B&GP) en om deel te neem in die OIS-proses deur die voltooiing van die registrasie en kommentaar vorm, ingesluit met die Agtergrondinligtingsdokument (AID). U is welkom om kommentaar te lewer oor die AID in enige van die volgende maniere:

- Deur U voltooide registrasie en kommentaar vorm in te dien by Lidwala SA
- 'n Brief te skryf en aan ons te rig
- Deur e-pos, faks of skakel die Publieke Deelname Kantoor

KONTAKPERSONE:

Irmé Van Zyl or Bongsi Mhlanga
P.O. Box 32497, Waverley, 0135
Tel: 072 222 6194 / (0861) 543 9252
Fax: (086) 764 9252
E-mail: upingtonsolarpark@lidwala.com

Beste Wense,

Irmé Van Zyl

Mobile: 072 222 6194

Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 04 March 2014 12:55 PM
Subject: 23: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)
Attachments: 2014-02-05 - CEF Upington Solar Park - Briefing Paper (Eng) FINAL - CR.pdf;
2014-02-05 CEF UPINGTON - BID Notification Letter (Eng) FINAL - CR.pdf;
2014-02-05 1 GW Upington Solar Park Comment Form (Eng) FINAL - CR.pdf
Bcc: 'abednego.mvula@dha.gov.za'; 'nmethuli@ncpg.gov.za'; 'pmontwedi@ncpg.gov.za';
'vsettley@ncpg.gov.za'; 'twessels@grand.ncape.gov.za'; 'jhollenbach@sahrc.org.za';
'mmuntingh@sahrc.org.za'

DEA Ref No: 14/12/16/3/3/2/588

Dear Interested and/or Affected Party

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CONTACT PERSONS:

Irmé Van Zyl or Bongzi Mhlanga
P.O. Box 32497, Waverley, 0135
Tel: 072 222 6194 / (0861) 543 9252
Fax: (086) 764 9252
E-mail: upingtonsolarpark@lidwala.com

Kind Regards

Irmé Van Zyl

Mobile: 072 222 6194

Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 28 March 2014 01:36 PM
Subject: 24: UPINGTON SOLAR PARK OF 1 GW, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)
Attachments: 2014-02-05 - CEF Upington Solar Park - Briefing Paper (Eng) FINAL - CR.pdf; 2014-02-05 CEF UPINGTON - BID Notification Letter (Eng) FINAL - CR.pdf; 2014-02-05 1 GW Upington Solar Park Comment Form (Eng) FINAL - CR.pdf
Bcc: 'neo.mosebo@transnet.net'; Mario Eygelaar (EygelaMa@eskom.co.za); 'hardind@eskom.co.za'; 'ofentse@gcis.gov.za'; 'abotes@ncpg.gov.za'; 'gbotha@ncpg.gov.za'; 'pendow@ncpg.gov.za'; 'mmaye@ncpg.gov.za'; 'tmodiakgotla@ncpg.gov.za'; 'bassonjanet@saps.org.za'; 'esmit@ncpg.gov.za'; 'frikkie.truter@transnet.net'; 'gama.siyabonga@transnet.net'; 'henk.debeer@transnet.net'; 'nelis.vantonder@transnet.net'; 'cwilliams@sahrc.org.za'; mmuntingh@sahrc.org.za

DEA Ref No: 14/12/16/3/3/2/588

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Tel: 072 222 6194 / (0861) 543 9252
Fax: (086) 764 9252
E-mail: upingtonsolarpark@lidwala.com

Kind Regards

Irmé Van Zyl

Mobile: 072 222 6194

Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 28 March 2014 01:43 PM
Subject: 25: UPINGTON SONKRAG PARK VAN 1 GW, UPINGTON, NK : OIS & WULA KENNISGEWING (14/12/16/3/3/2/588)
Attachments: 2014-02-05 1 GW Upington Solar Park Comment Form (Afr) FINAL.pdf; 2014-02-05 1 GW Upington Sonkragaanleg OIS- BID (Afr) FINAL REV 2014 02 10.pdf; 2014-02-05 CEF UPINGTON - BID Notification Letter (Afrikaans) FINAL.pdf
Bcc: 'strydam_boerdery@lantic.net'; 'kimberleyrecycling@gmail.com'; Ras@afiray.co.za

DO Verw No: 14/12/16/3/3/2/588

Geagte Belangstellende en/of Geaffekteerde Party

INSAKE: UITNODIGING VIR DEELNAME: OMGEWINGSIMPAKSTUDIE INSLUITENDE 'N GEÏNTEGREERDE WATER LISENSIE AANSOEK VIR DIE VOORGESTELDE 1 GW UPINGTON SONKRAGAAANLEG, NOORD KAAP PROVINSIE

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- 'n Brief te skryf en aan ons te rig
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Fax: (086) 764 9252
E-mail: upingtonsolarpark@lidwala.com

Beste Wense,

Irmé Van Zyl

Mobile: 072 222 6194

Irmé van Zyl

From: Mail Delivery System <MAILER-DAEMON@rrba-ip-smtp-6-1.saix.net>
Sent: 28 March 2014 01:44 PM
To: ibvanzyl@telkomsa.net
Subject: Successful Mail Delivery Report
Attachments: details.txt; Message Headers.txt

This is the mail system at host rrba-ip-smtp-6-1.saix.net.

Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system

<kimberleyrecycling@gmail.com>: delivery via
gmail-smtp-in.l.google.com[173.194.67.27]:25: 250 2.0.0 OK 1396007045
pj12si1772847wic.44 - gsmtip

<Ras@afiray.co.za>: delivery via
mx2425125.spe.spambox.co.za[196.38.95.213]:25: 250 OK id=1WTVCR-0003X7-5u

Irmé van Zyl

From: Mail Delivery System <MAILER-DAEMON@rrba-ip-smtp-6-1.saix.net>
Sent: 28 March 2014 02:31 PM
To: ibvanzyl@telkomsa.net
Subject: Successful Mail Delivery Report
Attachments: details.txt; Message Headers.txt

This is the mail system at host rrba-ip-smtp-6-1.saix.net.

Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system

<strydam_boerdery@lantic.net>: delivery via
aialantic-jhb01ip.lantic.net[196.41.6.226]:25: 250 ok: Message 68976495
accepted

**REGISTERED LETTER
GEREGISTREERDE BRIEF**

(with an insurance option/met 'n versekeringsopsie)



Full tracking and tracing/Volledige volg en spoor

Addressed to/Geadresseer aan

Mnr. David Steenkamp

50 Rubensweg

Macassar

Summerset West 7130 Postcode
Poskode

The value of the contents of this letter is as indicated and compensation is not payable for a letter received unconditionally. Compensation is limited to R100.00. No compensation is payable without documentary proof. Optional insurance up to R2 000.00 is available and applies to domestic registered letters only.

Die waarde van die inhoud van hierdie brief is soos aangedui en vergoeding sal nie betaal word vir 'n brief wat sonder voorbehoud ontvang word nie. Vergoeding is beperk tot R100.00. Geen vergoeding is sonder dokumentere bewys betaalbaar nie. Opsionele versekering tot R2 000.00 is beskikbaar en is slegs op binnelandse geregistreeerde briewe van toepassing.

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0800 111 502

Initial of
accepting
officer

Date Stamp



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aaneem-
beampte

Datumstempel

701281

Guidelines to minimise the impact on birds of Solar Facilities and Associated Infrastructure in South Africa

Smit, Hanneline A.¹

(Reviewed by Dr Phoebe Barnard², Dr Andrew Jenkins³, Tania Anderson⁴, Jon Smallie⁵ and Samantha Ralston⁶)

¹ *Conservation Manager, BirdLife South Africa (conservation@birdlife.org.za)*

² *Birds & Environmental Change Programme, South African National Biodiversity Institute (P.Barnard@sanbi.org.za)*

³ *Avisense Consulting (andrew@avisense.co.za)*

⁴ *Head of Botany, McGregor Museum (spothil@gmail.com)*

⁵ *WildSkies Ecological Services (jonsmallie@gmail.com)*

⁶ *Birds and Renewable Energy Manager, BirdLife South Africa (energy@birdlife.org.za)*

BirdLife South Africa supports the use of solar energy generation in the reduction of greenhouse gas emissions in South Africa, which has been identified as amongst the top 10 developing countries that need to reduce their carbon emissions significantly. It is highly likely that solar holds amongst the highest renewable potential for South Africa.

Two types of solar power generation or Solar Energy Facilities (SEF) are currently available in South Africa:

1. Solar photovoltaic (PV) electricity generation, which converts solar radiation directly into electricity through a solar panel.
2. Concentrated Solar Power (CSP) farms (plants), which consists of a series of mirrors/heliostats/trough panels that reflect sunlight. The reflected heat is mostly concentrated onto a central receiver tower and standby focal points (although other technology within CSP exists). The heat is used to raise steam to drive turbines and generators.

In its position statement¹, BirdLife South Africa states that its main concern about both types of solar power generation – photovoltaic and concentrated solar power – is that they can potentially cause the displacement or exclusion from important habitats of nationally and/or globally threatened, rare, endemic or range-restricted bird species. Other potential risks include collision with the reflective surfaces. After discussions with authorities, NGOs and the solar industry, BirdLife South Africa has drawn up the following Guidelines to Minimise the Impact on Birds of Solar Facilities and Associated Infrastructure in South Africa.

¹ http://www.birdlife.org.za/images/stories/conservation/birds_and_wind_energy/solar_power.pdf

Is an avifaunal specialist study a necessary part of the EIA?

The displacement or the exclusion of species, particularly threatened, endemic and range-restricted species, are potentially the most significant impacts SEF facilities can have on birds. As the introduction of this technology could result in a rapid alteration of large areas of habitat, this represents a potentially new threat to species. BirdLife South Africa therefore recommends that an avifaunal specialist be consulted for all proposed solar energy facilities.

We suggest that the specialist assessment should follow a two-phased approach:

1. A desktop analysis of existing literature and data (e.g. SABAP1, SABAP2, CWAC, CAR, distance to formal protected areas, wetlands and Important Bird Areas).
2. The desktop analysis should be followed by a site assessment of approximately 3-5 days².
 - a. The site assessment should be designed to confirm the presence, abundance, habitat preferences and flyways of priority species (Priority species will include nationally and/or globally threatened, rare, endemic, or range-restricted bird species, or large numbers of other bird species).
 - b. The duration of the site visit should be informed by information gaps for the area in question, as well as the sensitivity of the area and the species likely to be present.

The specialist should assess the significance of the likely impacts of the proposed facility and its associated infrastructure on the avifauna of priority and at highest risk, help identify alternative locations or layouts for the facility and recommend other mitigation measures that would help reduce the significance of negative impacts on birds.

² In exceptional circumstances a site assessment may not be necessary (e.g. if there is large amount of existing data for the area, and a desktop analysis by a specialist indicates that there is a low risk to avifauna). Please consult with BirdLife South Africa should you suspect a site visit is not required.



Possible Impact on Birds³		Possible Mitigation	
		Photovoltaic (PV)	Concentrated Solar Power (CSP)
1.	<p>Displacement of nationally and / or globally Threatened, Rare, Endemic or Range Restricted bird species from important habitats</p>	<p>Preconstruction Monitoring needed to determine the presence of Threatened, Rare, Endemic or Range Restricted bird species.</p> <p>Note: Species lists can be retrieved from the Southern African Bird Atlas Project 2 (SABAP2) for 5' x 5' minute grid cells (pentads). If SABAP2 data are unavailable for the site investigate whether alternative species lists or data from adjacent pentads can be used.</p> <p>Species lists can only be used to guide monitoring intensity of and must not replace comprehensive monitoring. Monitoring should take into account seasonal variation, fly paths and birds' behaviour.</p>	<p>Preconstruction Monitoring needed to determine the presence of Threatened, Rare, Endemic or Range Restricted bird species.</p> <p>Note: Species lists can be retrieved from the Southern African Bird Atlas Project 2 (SABAP2) for 5' x 5' minute grid cells (pentads). If SABAP2 data are unavailable for the site investigate whether alternative species lists or data from adjacent pentads can be used.</p> <p>Species lists can only be used to guide monitoring intensity of and must not replace comprehensive monitoring. Monitoring should take into account seasonal variation, fly paths and birds' behaviour.</p>

³ Summary adapted from Environmental Management Volume 7 Number 2 p.14 -16

2.	Loss of habitat for resident bird species caused by construction, operation and maintenance activities (of CSP and PV). Cumulative impacts due to habitat loss and displacement on threatened, endemic and range-restricted species should also be considered.	As above (see mitigation point 1)	As above (see mitigation point 1)
3.	Disturbance of resident bird species caused by construction, operation and maintenance activities (of CSP and PV).	As above (see mitigation point 1)	As above (see mitigation point 1)
4.	CSP Infrastructure farms carry an additional risk because of the associated central receiver tower, standby focal points and heliostats. Collision with the central receiver tower	Not applicable (associated PV infrastructure does not pose same avifaunal impact). Not applicable (associated PV infrastructure does not pose same avifaunal impact).	Some Parabolic Trough CSP plants are being developed without the associated central receiver tower, or use of standby focus points, or heliostats, it should however, be noted that the possible impact on avifauna should still be evaluated and documented in the EIA. The position and height of the receiver tower should be taken into account at Parabolic Trough CSP plants developed with a central receiver tower.
5.	Reflective surfaces act as attractants for approaching birds. These surfaces may be confused for large water bodies (with similar effects as windows) and can cause disorientation of flying birds, resulting in injury and/or death.	Not applicable (Photovoltaic panels are less reflective)	Reflective surfaces which are parabolic (curved) in shape reduce the likelihood of skyward reflection; whereas flat heliostats have an increased associated risk of being reflective.

6.	<p>Mirror collision. Mirrors are used to concentrate sunlight which can create large amounts of heat, killing birds on collision.</p>	Not applicable	<p>Ensure that Trough Receivers use evacuated glass tubes (or similar technology) to reduce heat loss which result in low receiver temperatures which will not burn birds. In addition, Parabolic Trough CSP plants are being developed where sunlight is focused on a receiver which is very close to the mirror at the aperture of the mirror. As a result it is less likely that a bird will fly between the receiver and mirror.</p> <p>Note: Be sure to check the technology used.</p>
7.	<p>Birds could be burnt when in the vicinity of the central receiver or when entering the standby focal points (specifically relevant to swallows, swifts and martins which spend most of their time in flight).</p>	Not applicable	<p>Not applicable when Parabolic Trough CSP plants are developed which do not have a central receiver tower; otherwise a relevant concern for CSP.</p>
8.	<p>Water pollution caused by leaching of lethal chemical substances into waste water evaporation ponds. Artificial evaporation ponds attract waterbirds, which could increase cumulative collision, drowning, burning or poisoning impacts.</p> <p>Water extraction - be sure that the extraction method is environmentally friendly.</p>	<p>Not applicable (PV does not use evaporation ponds).</p> <p>Altered run off patterns could lead to changes in bird distribution and abundance, and possibly soil erosion.</p>	<p>Ensure that birds do not get in contact with evaporation ponds i.e. ponds should be covered with wire mesh or netting to reduce the possibilities of a) attracting; b) drowning and c) poisoning.</p>

9.	Roosting, foraging and nesting on or around the CSP plant infrastructure (i.e. attracting more birds to the solar facility).	Birds will be likely to roost/perch/nest on the photovoltaic panels (if these are fixed in one angle) and associated infrastructure. Such behaviour could lead to panel obstruction and polluting. In e.g. the Northern Cape, colonies of sociable weavers could potentially use the associated infrastructure as a nesting place.	Unlikely (but not impossible) due to disturbance caused by the overall operation of the solar facility.
10.	Electrocution and collision caused when perching on, or flying into, the power line infrastructure.	Ensure that sites are close to existing power lines, so that few new lines are required.. If new lines are constructed, motivate the need for these lines to be marked with anti-collision marking devices & constructed with bird friendly designs to prevent electrocution.	Ensure that sites are close to existing power lines requiring negligible new lines. If new lines are constructed, motivate the need for these lines to be marked with anti-collision marking devices & constructed with bird friendly designs to prevent electrocution.
11.	New power line construction: Habitat destruction and disturbance/exclusion of avifauna through construction (short-term) and maintenance (long-term) of new power line infrastructure.	As above (see mitigation point 1)	As above (see mitigation point 1)
12.	New road construction: habitat destruction and disturbance of birds caused by the construction and maintenance of roads.	As above (see mitigation point 1)	As above (see mitigation point 1)

Monitoring

In order for us to better understand and successfully mitigate the possible impacts solar energy facilities on both a regional and project specific scale, BirdLife South Africa recommends that the environmental management programme includes the requirement for annual post-construction monitoring by a avifaunal specialist. This should be based on a minimum of 3-5 days observations. Any avian mortality or injury at the facility should also be duly recorded and reported.

BirdLife South Africa requests that these reports are sent to us where they will be centrally housed. In this way we will be able to facilitate a better understanding of the nature, scale and duration of impacts on birds at a national level.

For further information, contact:

Samantha Ralston
Birds and Renewable Energy Manager
BirdLife South Africa
Email: energy@birdlife.org.za

or

Dr Hanneline Smit
Conservation Manager/Oppenheimer Fellow of Conservation
BirdLife South Africa
Email: conservation@birdlife.org.za

<http://www.birdlife.org.za>

Annexure 1: High level comparison between a Photovoltaic Solar Facility (PV) and a Concentrated Solar Power (CSP) Facility.

Photovoltaic Solar Facility (PV)

- A PV Solar Farm consist of an area covered by photovoltaic panels
- The size of the PV Solar Farm can vary in size
- PV uses semi-conductor materials to convert sunlight directly into electricity
- PV panels can be fixed or track the sun in one or two axes
- PV panels are less reflective



Figure 1: Photovoltaic (PV) solar farm showing typical arrangement of photovoltaic panels.

Concentrated Solar Power Facility (CSP)

- CSP farms consist of a series of heliostats/trough panels with mirrors which concentrate sunlight on a receiver tower (although some CSP farms are developed without receiver towers).
- CSP farms potentially have greater impacts on birds than PV farms because of the associated central receiver tower, standby focal points and heliostats.
- CSP operates by concentrating the sun's energy to produce heat which either drives a steam turbine or an external heat engine to produce electricity. A liquid [known as heat transfer fluid (HTF) which usually consists of a mix of oils] or a gas medium is heated and this is used to convert water to steam, which is used to generate electricity through a steam turbine generator. The heated liquid (HTF) or gas medium is then cooled, condensed and reused
- The need exists for waste water evaporation ponds to separate out sludge or solids containing hazardous chemicals from the chemical waste water, cycle

water blow down and cleaning liquids. Such materials are removed from the ponds by a licensed waste company. Hazardous waste should be disposed at a hazardous waste and if not hazardous, it should be disposed at a landfill site.

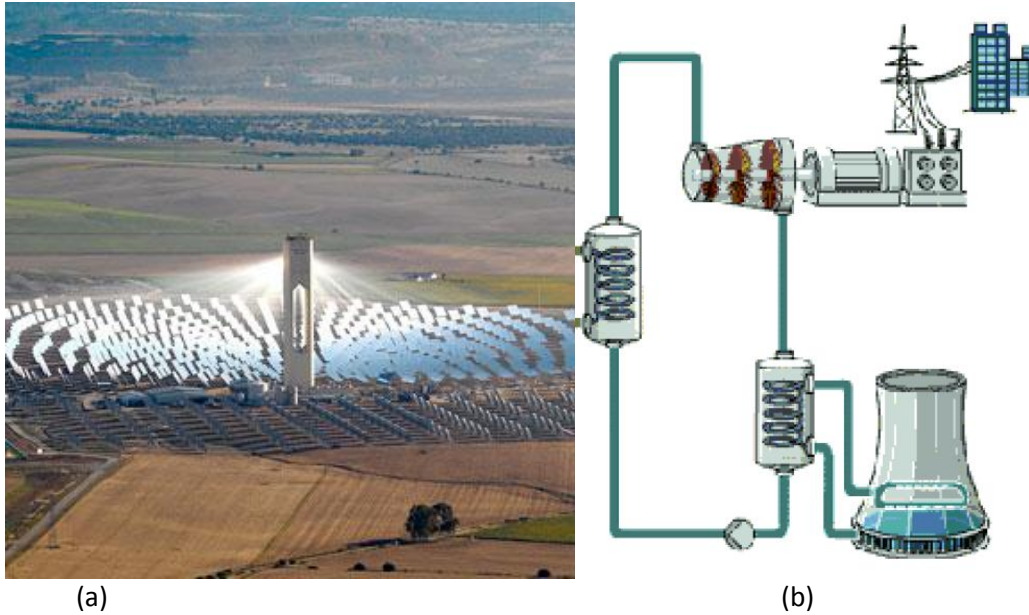


Figure 2: (a) Concentrated Solar Power (CSP) Facility - Parabolic troughs concentrating sunlight on the central receiver tower. (b) Schematic presentation of CSP technology and the layout of a CSP Facility. CSP operates by concentrating the sun's energy to produce heat which either drives a steam turbine or an external heat engine to produce electricity. The heated liquid (HTF) or gas medium is then cooled, condensed and reused.

NOTE:

- Technology within PV and CSP also differs.
- Familiarise yourself with the technology being used.
- **For further information on technology contact SAPVIA – the South African Photo Voltaic Industry Association. <http://www.sapvia.co.za/contact-us/>**

Annexure 2: Minimising the Impacts on Birds (including Mitigation Measures)

- **Species lists** can only be used to guide the intensity of monitoring but should not replace **comprehensive monitoring**. Monitoring should take into account seasonal variation, fly paths and the behaviour of associated birds.
- Recommended use of existing degraded urban/industrial areas and transformed/sterile agricultural areas with no natural habitat remaining for the facility wherever possible; strictly avoid Important Bird Areas (IBAs), Critical Biodiversity Areas or protected areas.
- In **arid areas** (Nama-Karoo habitat for example): Avoid drainage lines as many bird species are associated with the drainage lines (due to presence of trees within the drainage lines).
- Larger species e.g. raptors nesting should be noted as trees are a limited resource in arid areas.
- Ensure that artificial evaporation ponds are **covered** (with wire mesh or netting to ensure that birds cannot enter or drink the water) and/or **free of pollutants**.
- Ensure that the solid concrete **tower (receiver tower)** is **visible** to birds. See e.g. <http://www.reelwings.com/> and other similar web sources.
- Avoid constructing solar arrays in areas along known **waterbird flight paths** between pans/wetlands/dams.
- Avoid constructing solar arrays in areas close to roosting and breeding sites of significant populations of threatened, endemic, rare or range-restricted bird species their flight paths might be across the solar farm.
- **Limit the amount of vegetation that is** cleared to limit habitat loss.
- Use **grazing**, and **not chemicals**, to retard re-growth of vegetation.
- Recommend that the Solar Facility be designed from the start to feed into **existing power lines or is used locally and therefore independent of the grid**.
- Recommend that power lines follow **existing roads**.
- Be sure to check the technology used.
 - Reflective surfaces which are parabolic (curved) in shape reduce likelihood of sky reflection, relative to flat heliostats.

- Ensure that trough receivers use evacuated glass tubes (or similar technology) to reduce heat loss allowing lower surface temperatures which will not burn birds.
- Propose that plant be upgraded after a (normal) 20 year lifespan.

Light Pollution and Reflective Surface Risks

- Reflective surfaces such as heliostats and parabolic trough panels represent a form of **light pollution** also brought by roadways, wet runways, windows, artificial light and cars.
- Windows and artificial light are ranked highly as contributing factors to bird mortalities.
- Reflective surfaces **disorientate** birds, are mistaken for large water bodies and are responsible for the 'Mirror Effect'.
- Lights at solar facilities will **attract insects** which in turn will attract foraging birds.

Important Additional Reading:

- Alice Ramsay (BirdLife International Report.)
Potential Impacts on Birds and Collation of Best Practice Guidelines

- Main Literature: ***BirdLife South Africa Position Statement on Possible Effects of Solar Energy on Birds***
<http://www.birdlife.org.za/about/blsa/position-statements>



BirdLife South Africa

Position Statement on the effect of solar power facilities on birds

- BirdLife South Africa supports the use of renewable energy resources, including solar energy generation, in reducing greenhouse gas emissions.
- BLSA acknowledges that South Africa has been identified as one of the top 10 developing countries which needs to reduce its carbon emissions significantly.
- BLSA acknowledges the increased rate of energy demand in South Africa of 3% per year and thus the importance of solar energy and other renewable energy resources as sources of alternative energy.
- BLSA acknowledges that South Africa is amongst the top 10 countries in the world most suited for the generation of solar energy due to the percentage of incoming shortwave radiation.
- Two types of solar power generation are currently available:
 - o Solar photovoltaic (PV) electricity generation involves turning solar radiation directly into electricity in a solar panel.
 - o Concentrated Solar Power (CSP) farms (plants) consist of a series of mirrors/heliostats/trough panels which reflect sunlight. The reflected heat is concentrated onto a central receiver tower and standby focal points. The heat is used to raise steam to drive turbines and generators.
- BLSA's main concerns with PV and CSP farms are the displacement or the exclusion of nationally and/or globally threatened, rare, endemic, or range-restricted bird species from important habitats.
- CSP farms potentially have greater impact on birds than PV farms because of the associated central receiver tower, standby focal points and heliostats.
- Anticipated avifaunal issues concerned with the CSP farms are:

Issues relating to the CSP itself:

- Collision with heliostats (mirrors) and the central receiver tower. Reflective surfaces act as attractants for approaching birds. These surfaces may be confused for large water bodies (and can have similar effects as windows) and causes disorientation of flying birds, resulting in injury and/or death.
 - Mirrors are used to concentrate sunlight to create large amounts of heat and the heat could cause mortalities of close overflying birds.
 - Birds could be burnt when in the vicinity of the central receiver or when entering the standby focal points (specifically relevant to swallows, swifts and martins which spend most of their time in flight).
 - Pollution caused by leaching of chemical substances into waste water evaporation ponds. This could be lethal to birds using these ponds. Artificial evaporation ponds serve as an additional attractant to waterbirds, which could increase cumulative collision, burning or poisoning impacts.
 - Roosting, foraging, and nesting on or around the CSP plant infrastructure (i.e. attracting more birds to the solar facility).
 - Loss of habitat and disturbance of resident bird species caused by construction, operation and maintenance activities (of CSP and PV).
- BLSA acknowledges that the above impacts became significant only when a great number of birds occur within the vicinity of the CSP and are thus exposed to these mortality factors.

Issues relating directly to the associated infrastructure (CSP and PV):

- Collision and electrocution caused when perching on or flying into powerline infrastructure.
 - Habitat destruction and disturbance/exclusion of avifauna through construction (short-term) and maintenance (long-term) of new powerline infrastructure.
 - Habitat destruction and disturbance of birds caused by the construction and maintenance of new roads, pipelines and visitor centres.
- BLSA is also greatly concerned that avifaunal attractants may amplify the above impacts.

These attractants may be:

- Open water evaporation ponds on or in the vicinity of the CSP.
 - Heliostats (mirrors) and/or parabolic troughs.
 - Foraging spots under or around the panelling.
- Birds attracted to the above sources may enter one or more focal points when descending and, as a result, they could be burnt to death.
- BLSA recommends mitigation of avifaunal impacts by:

- Not constructing CSP plants in formally or informally protected areas or Important Bird Areas (IBAs), but in areas of low relevance for nature conservation.
 - Constructing CSP farms in already degraded areas.
 - Avoiding construction near drainage lines with trees where birds will be concentrated (e.g. in Karoo where most CSP farms are likely to be constructed).
 - Avoiding construction near large trees (e.g. in the Karoo) which serve as nesting and roosting sites for raptors and vultures.
 - Building solar arrays (a linked assembly of heliostats) outside known waterbird flight paths.
 - Not using chemicals/pesticides for the maintenance of land/vegetation and rather use mowing or grazing to retard vegetation growth.
 - Keeping evaporation ponds clean of pollutants.
 - Constructing new powerlines in such a way that they have minimal impact on birds (i.e. bird-friendly designs, appropriate wire marking devices).
 - Deconstruction of the plant after the expected life span of 20 years.
- The above mitigation factors should be rigorously applied to ensure minimal disruption of key bird species and their habitats.

References:

- Gunerhan, H., Hepbasli, A. & Giresunli, U. 2009. Environmental impacts from the solar energy systems. *Energy Sources, Part A: Recovery, Utilization and Environmental Effects* 31: 131-138.
- McCrary, M.D., McKernan, R.L., Schreiber, R.W., Wagner, W.D. & Sciarotta, T.C. 1986. Avian mortality at a solar energy power plant. *Journal of Field Ornithology* 57: 135-141.
- Tsoutsos, T., Frantzeskaki, N. & Gekas, V. 2005. Environmental impacts from solar energy technologies. *Energy Policy* 33: 289-296.
- Wachholz, C. & Coath, M. 2009. Birdlife European Climate Change Coordination Group: Guidelines for good practices to deploy Solar energy.

Our Ref: 9/2/032/0001

Enquiries: Jenna Lavin
Edit view Tel: 021 462 4502
Edit view Email: jlavin@sahra.org.za
CaseID: 4755

Date: Monday February 17, 2014

Page No: 1

Letter

In terms of Section 38(8) of the National Heritage Resources Act (Act 25 of 1999)

Attention: Lidwala Consulting Engineers (SA) (Pty) Ltd
P.O. Box 4221
Northcliff
2115

CEF (SOC) Ltd on behalf of the Department of Energy proposes the establishment of a 1GW Solar Park in the //Khara hais Municipality (Upington) in the Northern Cape Province. The proposed Solar Park is about 10 km west of Upington on the remaining extent of Farm Klipkraal 451, within the jurisdiction of the //Khara Hais Local Municipality.

Thank you for informing SAHRA of the application to develop a 1GW solar facility using a variety of solar technologies including photovoltaic cell power, concentrating solar power and parabolic trough solar thermal power. The area proposed for development covers 5011ha in total.

In terms of Section 38(8) of the National Heritage Resources Act (Act 25 of 1999), any proposed development that requires an application in terms of NEMA or the MPRDA must have an assessment of impacts to heritage resources completed as part of the application process. The relevant heritage authority must determine whether the assessment done in terms of impacts to heritage resources satisfies our requirements and must provide comments or recommendations to the decision-making authority.

The land surrounding the area proposed for development is known to contain significant stone age archaeology as well as rock art. In addition, it is noted that the palaeontological significance of the geology of the area proposed for development ranges from low, to moderate to very high significance. SAHRA therefore requires more information on the likely impact of the proposed development activities on significant heritage resources.

SAHRA therefore requires that a Heritage Impact Assessment be conducted.

This heritage impact assessment must assesses the impact of the proposed development on all heritage resources including, but not limited to, archaeological heritage, palaeontology, rock art, any significant structures and intangible heritage. This assessment must not only assess impacts in terms of the development footprint, but must also assess broader, indirect impacts to heritage that may result from the proposed development.

The quickest process to follow for the archaeological component would be to contract a specialist (see www.asapa.org.za) to provide a Phase 1 Archaeological Impact Assessment Report. The Phase 1 Impact Assessment Report will identify the archaeological sites to be impacted and assess their significance. It should also make recommendations (as indicated in section 38 of the NHRA) about the process to be followed. For example, there may need to be a mitigation phase (Phase 2) where the specialist will collect or excavate material and date the site. At the end of the process the heritage authority may give permission for destruction of the sites. This assessment should be conducted in conjunction with a Stone Age specialist with a sound



The South African Heritage Resources Agency

Street Address: 111 Harrington Street, Cape Town 8000 * Postal Address: PO Box 4637, Cape Town 8000
* Tel: +27 21 462 4502 * Fax: +27 21 462 4509 * Web: <http://www.sahra.org.za>



Our Ref: 9/2/032/0001

Enquiries: Jenna Lavin
Edit view Tel: 021 462 4502
Edit view Email: jlavin@sahra.org.za
CaseID: 4755

Date: Monday February 17, 2014

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an agency of the
Department of Arts and Culture

understanding of the archaeology of the Northern Cape.

A desktop palaeontological assessment must be completed prior to development in order to determine if any significant palaeontological resources will be impacted by the proposed development activities. This assessment must include a protocol for finds.

Any other heritage resources that may be impacted such as built structures, sites of cultural significance associated with oral histories, burial grounds and graves, graves of victims of conflict, and cultural landscapes or viewsapes must also be assessed.

This assessment must satisfy SAHRA's minimum requirements for impact assessments and must comply with the requirements in Section 38(3) of the NHRA and as such, this assessment must provide recommendations regarding the mitigation of any identified direct and indirect impacts to heritage resources.

SAHRA looks forward to receiving these assessments before commenting further on this proposed development.

Should you have any further queries, please contact the designated official using the case number quoted above in the case header.

Yours faithfully

Jenna Lavin
Heritage Officer
South African Heritage Resources Agency

Colette Scheermeyer
SAHRA Head Archaeologist
South African Heritage Resources Agency

ADMIN:



The South African Heritage Resources Agency

Street Address: 111 Harrington Street, Cape Town 8000 * Postal Address: PO Box 4637, Cape Town 8000
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Upington Solar Park of 1 GW, //Khara Hais Local Municipality EIA & WULA

Our Ref: 9/2/032/0001

Enquiries: Jenna Lavin
Edit view Tel: 021 462 4502
Edit view Email: jlavin@sahra.org.za
CaseID: 4755

Date: Monday February 17, 2014

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Direct URL to case: <http://www.sahra.org.za/node/155836>

Edit view (DEA, Ref: 14/12/16/3/3/2/588)



The South African Heritage Resources Agency

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Marinus Boon

From: Adrian Tiplady <atiplady@ska.ac.za>
Sent: 25 March 2014 08:42 AM
To: ibvanzyl; Upington_Solar_Park
Subject: Re: 1 GW UPINGTON SOLAR PARK, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)
Attachments: Letter reg Establishment of Upington Solar Park.pdf

Dear Irme,

Please find attached response. Apologies for the delay, as I have been overseas.

Kind regards,

Adrian

On 2014/02/06 11:15 AM, Irmé van Zyl wrote:

DEA Ref No: 14/12/16/3/3/2/588

Dear Interested and/or Affected Party

RE: INVITATION TO PARTICIPATE: ENVIRONMENTAL IMPACT ASSESSMENT PROCESS INCLUDING AN INTEGRATED WATER USE LICENSE APPLICATION FOR THE PROPOSED 1 GW UPINGTON SOLAR PARK WITHIN THE //KHARA HAIS MUNICIPALITY, NORTHERN CAPE PROVINCE

Lidwala Consulting Engineers (SA) (Pty) Ltd (Lidwala SA) has been appointed by CEF (SOC) Ltd to conduct an Environmental Impact Assessment (EIA) for the proposed 1 GW Upington Solar Park in the Northern Cape Province.

Please find attached the Notification Letter, Background Information Document (BID) and Registration & Comment Form for your attention.

YOUR COMMENT IS IMPORTANT

You are invited to formally register as an interested and/or affected party (I&AP) and to participate in the EIA process by completing the registration and comment form enclosed with the BID. You are welcome to comment on the BID in any of the following ways:

- Submitting your completed registration and comment form to us
- Writing a letter to be received by us via e-mail, fax or phoning the public participation office (see contact details below).

CONTACT PERSONS:

Irmé Van Zyl or Bongsi Mhlanga
P.O. Box 32497, Waverley, 0135
Tel: 072 222 6194 / (0861) 543 9252
Fax: (086) 764 9252
E-mail: upingtonsolarpark@lidwala.com

Kind Regards

Irmé Van Zyl

Mobile: 072 222 6194

--

Dr. Adrian Tiplady

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Irmé Van Zyl
Lidwala Consulting Engineers
PO BOX 32497
Waverley
0135

Email: upingtonsolarpark@lidwala.com

12th February 2014

Dear Ms. Van Zyl,

Re: Development of 1GW Upington Solar Park

This letter is in response to your email request to provide an assessment on the potential development of the Upington Solar Park (DEA REF. NO.: 14/12/16/3/3/2/588), and the risk it may pose on the Square Kilometre Array Project.

A high level risk assessment has been conducted at the South African SKA Project Office to determine the potential impact of such facilities on the Square Kilometre Array. This letter serves to confirm the outcomes of the risk assessment, and proposals for any future investigations associated with this facility.

- i. The location of the proposed facility has been determined from the BID Notification letters and document. The nearest SKA station, identified as Rem-Opt-9, is located at a distance of 43 km;
- ii. Based on distances to the nearest SKA stations, and the information currently available on the detailed design of the PV/CSP installation, this facility poses a low to medium low risk of detrimental impact on the SKA;
- iii. Any transmitters that are to be established, or have been established, at the site for the purposes of voice and data communication will be required to comply with the relevant AGA regulations concerning the restriction of use of the radio frequency spectrum that applies in the area concerned. It should be noted that the establishment of any radio communication equipment is likely to represent a high risk of detrimental impact on the SKA, and that the developers are advised to coordinate with the SKA office on this matter;



SKA SOUTH AFRICA
SQUARE KILOMETRE ARRAY

-
- iv. As a result of the low to medium low risk associated with the Uppington Solar Park, no mitigation measures would be required at this stage. However, the South African SKA Project Office would like to be kept informed of progress with this project, and reserves the right to further risk assessments at a later stage.

This technical advice is provided by the South African SKA Project Office on the basis of the protection requirements of the SKA in South Africa, and does not constitute legal approval of the renewable energy projects in terms of the Astronomy Geographic Advantage Act, the Management Authority, and its regulations or declarations.

Regards,

Dr. Adrian Tiplady
South African SKA Site Bid Manager
SKA South Africa
Tel: 011 442 2434
Fax: 011 442 2454
atiplady@ska.ac.za



**NETWORK INFRASTRUCTURE PROVISIONING
WAYLEAVE MANAGEMENT
CENTRAL REGION**

**Telkom SA SOC Limited
Private Bag X20700
BLOEMFONTEIN
9300**

Enquiries: Aletta Gabaitumele
Telephone: (051) - 401 6942
Fax : 088 0514016238
e-mail : WayleaCR@telkom.co.za

Our Ref no: CUP0056-14

18 February 20104

**LIDWALA CONSULTING ENGINEERS (SA) (PTY) LTD
P.O. Box 32497
WAVERLEY
0135**

**ENVIRONMENTAL IMPACT ASSESSMENT PROCESS INCLUDING AN INTERGRATED
WATER USE LICENSE APPLICATION FOR PROPOSED 1 GW UPINGTON SOLAR PARK
WITHIN THE KHARA HAIS MUNICIPALITY, NORTHERN CAPE PROVINCE**

Your letter dated 6 February 2014.

With reference to your above-mentioned application, I hereby inform you that the proposed work installation is approved in terms of the Electronic Communication Act No. 36 of 2005 as amended.

No Telkom SA SOC Ltd infrastructure will be affected by this proposal. If any plant not indicated exists, please contact Aletta Gabaitumele at 051-435 6942 at our office.

Approval of the proposed route is valid for six months. If construction has not yet commenced within this period, then the file must be resubmitted for approval. Any changes / deviations from the original planning during or prior to construction must immediately be communicated to this office.

On completion of this project, please certify that all requirements as stipulated in this letter have been met. Please note that should any of Telkom SA SOC LTD infrastructure has to be relocated or altered as a result of your activities the cost for such alteration or relocation will be for your account in terms of section 25 of the Electronic Communication Act.

Although we are not affected by this proposal, **Mr Vivian Groenewald must be contacted at 054 338 6501/ 081 362 6738 from our Network Field Services before commencement of work.**

Please notify this office and forward an as built plan, within 30 days of completion of construction.

Yours sincerely


HELEEN VAN DEN HEEVER

Irmé van Zyl

From: Aletta Gabaitumele (MA) <GabaitMA@telkom.co.za>
Sent: 18 February 2014 03:46 PM
To: ibvanzyl@telkomsa.net; upingtonsolarpark@lidwala.com
Cc: Vivian Groenewald (VR)
Subject: CUP0056-14 ENVIRONMENTAL IMPACT ASSESSMENT PROCESS INCLUDING AN INTERGRATED WATER USE LICENSE APPLICATION FOR PROPOSED 1 GW UPINGTON SOLAR PARK WITHIN THE KHARA HAIS MUNICIPALITY
Attachments: CUP0056-14 COVER LETTER.pdf

Good Day Irme,

Attached find our cover letter for your application. Although we are not affected by this proposal, **Mr. Vivian Groenewald** must **be contacted at 054 338 6501/ 081 362 6738 from our Network Field Services before commencement of work.**

Kindest Regards

Aletta Gabaitumele
Tel: 051 -401 6942
Fax: 088-051 4016238
e-mail: gabaitma@telkom.co.za
NIP: Wayleave Management

~~~~~  
This e-mail is subject to the Telkom SA SOC Ltd electronic communication legal notice,  
available at : <http://www.telkom.co.za/TelkomEMailLegalNotice.PDF>  
~~~~~

Irmé van Zyl

From: Irmé van Zyl <ibvanzyl@telkomsa.net>
Sent: 18 February 2014 04:31 PM
To: 'Alleta Gabaitumele (MA)'
Cc: Marinus Boon (MBoon@lidwala.com); Bongi Mhlanga (BMhlanga@lidwala.com)
Subject: RE: CUP0056-14 ENVIRONMENTAL IMPACT ASSESSMENT PROCESS INCLUDING AN INTERGRATED WATER USE LICENSE APPLICATION FOR PROPOSED 1 GW UPINGTON SOLAR PARK WITHIN THE KHARA HAIS MUNICIPALITY

Dear Alleta,

Thank you for the information. Mr Groenewald will be added to the I&AP list.

Best Regards,
Irmé

From: Alleta Gabaitumele (MA) [<mailto:GabaitMA@telkom.co.za>]
Sent: 18 February 2014 03:46 PM
To: ibvanzyl@telkomsa.net; upingtonsolarpark@lidwala.com
Cc: Vivian Groenewald (VR)
Subject: CUP0056-14 ENVIRONMENTAL IMPACT ASSESSMENT PROCESS INCLUDING AN INTERGRATED WATER USE LICENSE APPLICATION FOR PROPOSED 1 GW UPINGTON SOLAR PARK WITHIN THE KHARA HAIS MUNICIPALITY

Good Day Irme,

Attached find our cover letter for your application. Although we are not affected by this proposal, **Mr. Vivian Groenewald** must **be contacted at 054 338 6501/ 081 362 6738 from our Network Field Services before commencement of work.**

Kindest Regards

Aletta Gabaitumele
Tel: 051 -401 6942
Fax: 088-051 4016238
e-mail: gabaitma@telkom.co.za
NIP: Wayleave Management

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This e-mail is subject to the Telkom SA SOC Ltd electronic communication legal notice, available at : <http://www.telkom.co.za/TelkomEMailLegalNotice.PDF>  
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Irmé van Zyl

From: Mail Delivery System <MAILER-DAEMON@wblv-ip-smtp-10-6.saix.net>
Sent: 18 February 2014 04:31 PM
To: ibvanzyl@telkomsa.net
Subject: Successful Mail Delivery Report
Attachments: details.txt; Message Headers.txt

This is the mail system at host wblv-ip-smtp-10-6.saix.net.

Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system

<GabaitMA@telkom.co.za>: delivery via smtp.telkom.co.za[165.143.155.37]:25: 250
ok: Message 78191944 accepted



agriculture, forestry & fisheries

Department:
Agriculture, Forestry and Fisheries
REPUBLIC OF SOUTH AFRICA

Directorate: Forestry Management (Other Regions)
P.O. Box 2782, Upington, 8800, Tel 054 338 5909, Fax 054 334 0030

Enquiries: J Mans
E-mail: JacolineMa@daff.gov.za
Date: 12 May 2014
Ref: F13/11/2/250

Lidwala Consulting Engineers (SA) (Pty) Ltd
P.O. Box 32497
Waverley
0135

ATTENTION: Irme van Zyl (ibvanzyl@telkomsa.net)
Bongi Mhlanga (upingtonsolarpark@lidwala.com)

COMMENTS ON BACKGROUND INFORMATION DOCUMENT FOR THE PROPOSED 1 GW UPINGTON SOLAR PARK, NORTHERN CAPE (DEA REF: 14/12/16/3/3/2/588)

1. DEPARTMENTAL MANDATE

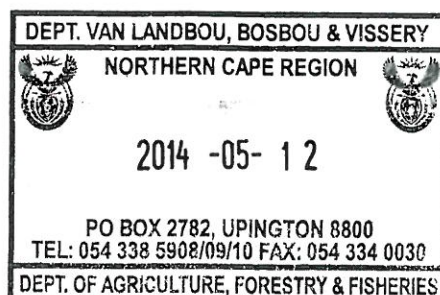
- 1.1 The Branch: **Forestry** and Natural Resource Management, the Directorate: Forestry Management (Other Regions) in the Department of Agriculture, Forestry and Fisheries (DAFF) is mainly concerned about the potential impacts on protected tree species. See the National Forests Act, Act 84 of 1998 (NFA) as amended, section 12(1)(d) read with s15(1) and s62(2)(c). The list of protected tree species was published in GN 877 of 22 November 2013. **No protected tree may be cut, removed, damaged, disturbed or destroyed without a valid Forest Act License. Environmental approvals in terms of other applicable legislation do not exempt the developer from complying with the NFA.**
- 1.2 The DAFF is also responsible for the administration of the National Veld and Forest Fires Act, Act 101 of 1998 (NVFFA) as amended. Please take note of roles and responsibilities in terms of the NVFFA.

2. COMMENTS ON BACKGROUND INFORMATION DOCUMENT (BID)

- 2.1 Kindly ensure that the potential impacts on protected plant species are assessed. Areas with higher density protected trees should be regarded as sensitive and avoided as far as possible.
- 2.2 The DAFF is kindly requesting a copy of the fauna and flora specialist study that will be done as part of the EIA, preferably a hardcopy.
- 2.3 Kindly take note of the Flora Permit requirements in terms of the Northern Cape Nature Conservation Act, Act 9 of 2009 (NCNCA) administered by the provincial Department of Environment and Nature Conservation (DENC).

Yours truly,

Jacoline Mans
Chief Forester: NFA Regulation



Marinus Boon

From: JacolineMa <JacolineMa@daff.gov.za>
Sent: 12 May 2014 01:50 PM
To: ibvanzyl; Upington_Solar_Park
Subject: RE: 1 GW UPINGTON SOLAR PARK, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)
Attachments: F13-11-2-250.pdf

Good Day

Attached please find comments on the Background Information Document (BID) of the above-mentioned proposed development from the Department of Forestry.

Kind Regards, Jacoline

Jacoline Mans

Chief Forester: NFA Regulation
Directorate: Forestry Management (Other Regions)
Department of Agriculture, Forestry and Fisheries

Tel: 054 338 5909
Fax: 054 334 0030
Web: www.daff.gov.za
E-mail: JacolineMa@daff.gov.za

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From: Irmé van Zyl [<mailto:ibvanzyl@telkomsa.net>]
Sent: 06 February 2014 10:09 AM
To: Irmé van Zyl
Subject: 1 GW UPINGTON SOLAR PARK, UPINGTON, NC : EIA & WULA NOTICE (14/12/16/3/3/2/588)

DEA Ref No: 14/12/16/3/3/2/588

Dear Interested and/or Affected Party

RE: INVITATION TO PARTICIPATE: ENVIRONMENTAL IMPACT ASSESSMENT PROCESS INCLUDING AN INTEGRATED WATER USE LICENSE APPLICATION FOR THE PROPOSED 1 GW UPINGTON SOLAR PARK WITHIN THE //KHARA HAIS MUNICIPALITY, NORTHERN CAPE PROVINCE

Lidwala Consulting Engineers (SA) (Pty) Ltd (Lidwala SA) has been appointed by CEF (SOC) Ltd to conduct an Environmental Impact Assessment (EIA) for the proposed 1 GW Upington Solar Park in the Northern Cape Province.

Please find attached the Notification Letter, Background Information Document (BID) and Registration & Comment Form for your attention.

YOUR COMMENT IS IMPORTANT

You are invited to formally register as an interested and/or affected party (I&AP) and to participate in the EIA process by completing the registration and comment form enclosed with the BID. You are welcome to comment on the BID in any of the following ways:

- Submitting your completed registration and comment form to us
- Writing a letter to be received by us via e-mail, fax or phoning the public participation office (see contact details below).

CONTACT PERSONS:

Irmé Van Zyl or Bongsi Mhlanga
P.O. Box 32497, Waverley, 0135
Tel: 072 222 6194 / (0861) 543 9252
Fax: (086) 764 9252
E-mail: upingtonsolarpark@lidwala.com

Kind Regards

Irmé Van Zyl

Irmé van Zyl (ND: Nat Cons, FD: Env Edu, MEM)
Van Zyl Environmental Consultants cc
PO Box 567
Upington
8800
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Fax: 086 624 0306
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