

28 July 2017

Dear Ms. Essop / Ms. Mogorosi

re.: Submission of FBAR and corrected EA application form for Keren Energy Kakamas Solar PV Facility (DEA Reference: 14/12/16/3/3/1/1755)

EnviroAfrica CC was appointed to undertake the Basic Assessment (BA) process for the above environmental authorisation (EA) re-application since the original EA granted in 2012 (as per Appendix J-1 of the accompanying Final Basic Assessment Report (FBAR) expired before any site work began. EnviroAfrica understands that the Department views this 2017 're-application' as a new application.

However, based on a pre-application meeting held with the DEA in September 2016 and as part of the 're-application' process, towards the end of March 2017 EnviroAfrica submitted a draft BAR in what was intended to be a voluntary round of public participation, prior to submitting a post-application BAR. Email communication and minutes of the September 2016 meeting held with the Department, attached as Appendix J-2 of this FBAR. The draft BAR did not contain amended specialist reports or an EMPr since these updated documents were to be included in the post-application BAR once all the 2017 specialist reports and/or updates, were received.

The actual and planned progress and timelines for this process were captured under Appendix 7 of the 2017 EA application form acknowledged as received by the Department on 30 March 2017 (as per Appendix J-3 of the FBAR). Comments and corrections on the 2017 EA application were received from the respective case officer. Therefore, a corrected/amended 2017 EA application form accompanies this FBAR and a copy of the same is attached as Appendix J-4 of the FBAR.

Subsequent to the application, EnviroAfrica notified the DEA that the FBAR will be submitted within 140 days of receipt of the application by the Department, in terms of regulation 19(1)(b) of the Environmental Impact Assessment Regulations, 2014, since a substantial amount of additional specialist information, as well as information not contained in the draft BAR will be included in the post-application BAR. Acknowledgement of this notification for an extension was received by DEA on 30 May 2017 as per Appendix J-5 attached to the FBAR.

Enclosed, please find the required hard and cd copies of the FBAR and amended/corrected application form for the Department's perusal and decision.

Should you or the respective case officer require additional information, or seek a clarification meeting with EnviroAfrica representatives at your offices or on site, please do not hesitate to contact us at 021-8511616 or admin@enviroafrica.co.za.

Yours faithfully,
Vivienne Thomson
Environmental Consultant
EnviroAfrica CC



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

APPLICATION FORM FOR ENVIRONMENTAL AUTHORISATION

File Reference Number:
NEAS Reference Number:
Date Received:

(For official use only)

14/12/16/3/3/1/1755
DEA/EIA
04/04/2017

Application for authorisation in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), (the Act) and the Environmental Impact Assessment Regulations, 2014 (the Regulations)

PROJECT TITLE

Proposed Kakamas Solar Photovoltaic (PV) Facility

Indicate if the DRAFT report accompanies the application

Yes
No

Kindly note that:

1. This application form is current as of 1 April 2016. It is the responsibility of the applicant to ascertain whether subsequent versions of the form have been published or produced by the competent authority.
2. The application must be typed within the spaces provided in the form. The sizes of the spaces provided are not necessarily indicative of the amount of information to be provided. Spaces are provided in tabular format and will extend automatically when each space is filled with typing.
3. Where applicable black out the boxes that are not applicable in the form.
4. The use of the phrase "not applicable" in the form must be done with circumspection.
5. This application must be handed in at the offices of the National Department of Environmental Affairs where the Minister is the competent authority in respect of the application.
6. No faxed or e-mailed applications will be accepted. An electronic copy (in the form of a CD) of the signed application form must be submitted together with two hardcopies (one of which must contain the original signatures).
7. Unless protected by law, all information filled in on this application form may become public information on receipt by the competent authority.
8. Should a specialist report or report on a specialised process be submitted at any stage for any part of this application, the terms of reference for such report and declaration of interest of the specialist must also be submitted.
9. Proof of payment must accompany this application. The application will not be processed without proof of payment unless one of the exclusions provided for the Fee Regulations (Fees for consideration and processing of applications for environmental authorisations and amendments thereto Government Notice No.141, published on 28 February 2014) is applicable AND such information in section 1 of this application form has been confirmed by this Department.

Departmental Details

The application must be addressed to the Chief Directorate: Integrated Environmental Authorisations at:

Postal address:

Department of Environmental Affairs
Attention: Director: Integrated Environmental Authorisations
Private Bag X447
Pretoria
0001

Physical address:

Department of Environmental Affairs
Attention: Director: Integrated Environmental Authorisations
Environment House
473 Steve Biko Road
Arcadia
Pretoria

Queries must be addressed to the contact below:

E-mail: EIAAdmin@environment.gov.za

Please note that this form must be copied to the relevant provincial environmental department/s.

View the Department's website at <http://www.environment.gov.za/> for the latest version of the documents.

1. PROOF OF PAYMENT

Applicants are required to tick the appropriate box below to indicate that either proof of payment is attached or that, in the applicant's view, an exclusion applies. Proof and a motivation for exclusions must be attached to this application form in Appendix 1.

Proof of payment attached as Appendix 1
 Exclusion applies

An applicant is excluded from paying fees if:

The activity is a community based project funded by a government grant; or
 The applicant is an organ of state.

TYPE OF EXCLUSION	Tick where applicable. Proper motivation must be attached to the application
The activity is a community based project funded by a government grant	<input type="checkbox"/>
The applicant is an organ of state	<input type="checkbox"/>

FEE AMOUNT	Fee
Application for an environmental authorisation for which basic assessment is required in terms of the Environmental Impact Assessment Regulations	R2 000 <input checked="" type="checkbox"/>
Application for an environmental authorisation, for which S&EIR is required in terms of the Environmental Impact Assessment Regulations	<input type="checkbox"/>

Department of Environmental Affairs' details for the payment of application fees:

Payment Enquiries: Tel: 012 399 9119 Email: eiafee@environment.gov.za Banking details: ABSA Bank Branch code: 632005 Account number: 1044 2400 72 Current account Reference number : Reference number to be provided in the specific format indicating centre point coordinates of site in decimal degrees to 5 or 6 decimal places: latitude/longitude eg. -33.918861/18.423300 Proof of payment must accompany the application form: Indicate reference number below. Tax exemption status: Status: Tax exempted
Reference number: -28.787420/20.605250

2. PROJECT DESCRIPTION

Please provide a detailed description of the project.

Activity Overview

The project is the establishment of an array of crystalline solar photovoltaic (PV) modules grouped into tables or panels of 20 modules each, together with associated infrastructure for the generation of 5MW of electricity. The PV tables would form an array covering an area of 20ha, surrounded by a perimeter fire access road and fence. The PV tables will be raised approximately 500mm above ground level and have single axis tracking systems allowing maximisation of solar energy harvesting for conversion to electrical energy. A similar solar PV array is depicted in Figure 1 below.



Figure 1: Single axis solar PV module tables raised 500mm above ground level

Proposed associated infrastructure includes a fenced construction staging area, a maintenance shed, three inverter-transformer stations on concrete pads, one to two office buildings on the 20ha site, a switch panel for connection to the power grid, as well as a three-phase powerline connection from the solar PV array to feed electricity from the proposed development to Eskom's Taalput substation which is located about a kilometre from the site. Figure 2 below indicates the position of the proposed solar PV array with the nearby Taalput substation.

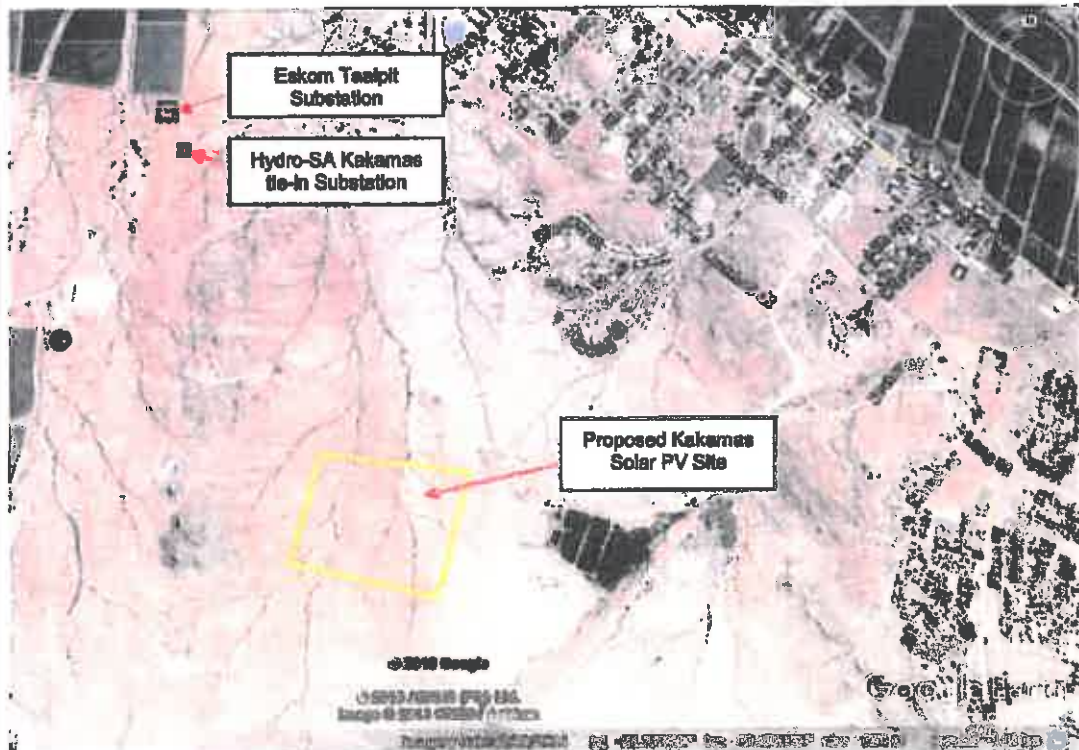


Figure 2: Position of proposed Kakamas solar PV development

Application Rationale

In March 2011, the Department of Energy's (DoE's) Integrated Resource Plan (IRP) 2010-2030 was promulgated with the aim of providing a long-term, cost-effective strategy to meet the electricity demand in South Africa. The IRP 2010-2030 objectives align with Government's in terms of reliable electricity supply, as well as environmental and social responsibilities and economic policies. The study horizon for the IRP is the period from 2010 to 2030.

The short to medium term intentions of the IRP 2010 -2030 are to ascertain the most cost-effective electricity supply option for the country, speak to the opportunities for investment into new power generation projects and determine security of electricity supply.

The IRP's long-term electricity planning goal is to consider social, technical, environmental and economic constraints, as well as other externalities while ensuring sustainable development in the country.

To this end, within the IRP, the DoE set a target electricity supply of 17.8 GW from renewable energy sources by 2030. This target renewable energy capacity would be produced primarily by solar, wind, biomass and small-scale hydro electricity generation (with the bulk being met by wind and solar energy supplies). In addition, the 2030 target ensures that approximately 42% of the country's total estimated electricity generation capacity would be met by renewable energy sources. This application is in response to the DoE's target and IRP 2010-2030 strategy to expand the South African renewable energy electricity generation capacity.

Activity Description

The proponent, Keren Energy Kakamas (Pty) Ltd, plans to establish a 'solar farm' which harvests light energy from the sun using solar PV panels and converts the light energy into electrical energy to be fed into the national (Eskom's) electricity grid. The development footprint is an area not exceeding 20ha on Erf. 1654 Kakamas, within the Kall Garib Local Municipality, District Siyanda, Northern Cape Province. This solar farm is, in essence, a solar power station which will form part of the country's renewable energy electricity generation capacity. The solar PV farm is proposed to be established on a site located at 28°47'14.71"S, 20°36'18.90"E which can be accessed from the N14 or from Hofmeyer road, an existing secondary road coming from within Kakamas. However, additional temporary access roads will have to be established on site.

After considering an area of about 500ha on Erf. 1654, Kakamas, the most suitable 20ha portion in terms of solar energy harvest potential, topography, accessibility, tie-in to the Eskom grid and minimisation of environmental impact, was chosen on which to establish the facility. The proposed development is an array of 18540 poly-crystalline solar photovoltaic (PV) modules grouped into tables or panels of 20 modules each. The PV panels form an array within the total footprint area of 20ha, surrounded by a perimeter fire access road and fence. The actual array of PV panels will not completely fill the 20ha footprint which also needs to cater for infrastructural requirements.

As per Figure 1 above, the PV tables will be raised approximately 500mm above ground level and will have single axis tracking systems allowing the generation of approximately 5MW of direct current which will be alternating current. Proposed associated infrastructure to be built on the 20ha footprint site includes a fenced construction staging area, a 3m x 6m maintenance shed, three inverter-transformer stations on concrete pads, a switch panel for connection to the power grid and an office with septic tank ablutions, as well as a 22kV powerline from the development site to connect to Eskom's Taaiput substation near to the proposed development site.

The powerline feeding into Eskom's Taaiput substation will be three-phase powerlines which may be overhead powerlines for a portion of the connection as well as subsurface (underground) powerlines to the Taaiput substation. The maximum generation capacity of the facility is approximately 5MW. Solar PV farms produce electricity in direct current which must be converted into alternating current and transformed into the correct voltage before it can be fed into the national grid. This conversion is done by inverters and transformers which are part of the abovementioned infrastructural development of the project.

Description of Development Phases

Equipment and Material Delivery: Site Preparation:

The proposed development can be accessed from the N14 or from Hofmeyer road (travelling from within Kakamas). However, additional temporary access roads will have to be established on site. PV modules and steel structures will be transported to site using four interlink trucks. The main transformer, one grader and a 20 ton roller will be delivered to site using abnormal load vehicles. In addition to these vehicles, two drill rigs, two 10m³ tipper trucks, six tractors and trailers, one waste transport truck, 8 site bakkies, one water tanker truck, a TLB and a trenching machine will also be used on site.

The area will be graded and levelled using a 20 ton roller. Water spray from the water tanker truck will be used to control excessive dust blow off. About three to four internal temporary access roads will have to be established on site, in addition to the long term perimeter fire access road. These internal access roads will enable vehicular access to each solar panel system within the site. All roads created as part of the solar facility will be untarred / unpaved.

Construction:

Each drilling machine which will be used for drilling the substructure post holes is equipped with a dust control system. The system extracts the dust away from the hole while drilling using vacuum. The collected dust can then be removed in a controlled manner from the back end of the machine once a certain amount is reached.

Concrete transformer pads for each row of solar panels, a switch panel for connection to the power grid, and a 3m x 6m control shed would be constructed on site.

Development of the electrical systems would take place in conjunction with installation of the rest of the structures. In brief terms, it includes all electrical cabling and trenching (field trenching in and around the entire site where the units will be installed should take place after the installing the pedestals) that connects all solar units, collects the energy from them, and then routes it to a point of connection with the utility infrastructure system.

Approximately 30 people are envisaged to be required during the construction phase, which is expected to last for 6-8 months. Positions will be filled by mostly local labour from the area where possible and are not to be housed onsite.

Operation:

The 5MW solar facility is based on the single axis tracking system for adjustment of the panels or tables carrying the solar PV modules. One of the reasons for selecting this tracking system is the configuration flexibility which facilitates good utilisation of the available land and maximises the "pitch" or distance between tables. This minimises the shading effects tables have on each other. Each table is equipped with a bow or curved component which carries a ring gear. The horizontal shafts have short worm gears which run against the ring gears to effect table adjustment. Tracking of the sun in a single axis solar PV system is usually aligned roughly along the north to south axes. The PV farm tracking system can be operated either automatically or remotely. The tracker adjustment range is -50 to +50 degrees. The pitch between tables would be 6m. The tracker controllers are an integral part of the tracking system and they provide backtracking functionality in order to minimise the effects of shadowing.

Twenty solar polycrystalline PV modules will be grouped together in a panel or table. Each table would carry 20 modules, which would be mounted with the long edges perpendicular to the tracking axis. All 20 modules of a table would be electrically interconnected to form a string.

An array of 309 such tables would be connected to 2 x 1000kVA, 1000V inverters, the rating being selected to allow for the Reactive Power requirements of the South African Grid Code. The two inverters of each array would be connected to the Low Voltage windings of a common inverter transformer, and the medium voltage windings of these transformers would be rated at 22kV. Grid connection would also be at 22kV, so that no further stepping-up of the voltage is required.

During periods of high wind or when undergoing maintenance, the solar arrays would be shifted to a stand-by mode, where the panels are placed in a horizontal position (facing upward and parallel to the ground).

Approximately 10 workers (7 direct and 3 indirect) are envisaged to be required during the operational phase of the proposed solar development. The lifespan of the development is expected to last for +25 years. Positions will be filled by mostly local labour from the area and are not to be housed onsite.

Maintenance:

Periodic maintenance activities involve replacing non-functioning cells or other mechanical parts essential to the operation of the arrays. Trips to the solar PV farm to undertake maintenance would occur on an as-needed basis. Maintenance visits may not occur immediately after a module ceases to function or a part becomes damaged – the Project Applicant would determine whether the benefit of the maintenance trip outweighs the cost of that additional trip. It is assumed, however, that maintenance visits would occur four to six times per year. Individuals responsible for maintenance activities would most likely commute from regional offices or nearby operating facilities.

Since sunlight can be absorbed by dust and other impurities on the surface of the photovoltaic panels, washings would periodically be needed. An estimated 1800m³ of water will be used during construction. During operation and maintenance about 2000m³ of water will be used per year would be required for cleaning the photovoltaic panels. During maintenance waste separation and recycling will take place as per the facilities environmental management programme.

Decommissioning:

The solar energy facility is expected to have a lifespan of +-25 years. The facility would only be decommissioned and the site rehabilitated once it has reached the end of its economic life. It would most likely be due to the enhancement of technology/infrastructure in the future of renewable energy.

Note: Throughout all phases of the development lifecycle i.e. site preparation, plant construction, operation, maintenance and final decommissioning, waste management in line with the project's environmental management programme includes waste separation, timely periodic waste removal to registered waste sites and recycling where possible.

Does the project form part of any of the Strategic Infrastructure Projects (SIPs) as described in the National Development Plan, 2011?	YES ✓	NO
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If YES, please indicate which SIPs are applicable in Appendix 2. You are also required to provide confirmation of SIP applications from the relevant sector representative which must be attached in Appendix 2

Is the project subject to the Integrated Resource Plan 2010 – 2030 (IRP) bidding process?	YES ✓	NO
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Please indicate which sector the project falls under by crossing out the relevant block in the table below:

Table 1

Green economy + "Green" and energy-saving industries	X	Greenfield transformation to urban or industrial form (including mining)
Infrastructure – electricity (generation, transmission & distribution)	X	Biodiversity or sensitive area related activities
Oil and gas		Mining value chain
Biofuels		Potential of metal fabrication capital & transport equipment – arising from large public investments
Nuclear		Boat building
Basic services (local government) – electricity and electrification		Manufacturing – automotive products and components, and medium and heavy commercial vehicles

Basic services (local government) – area lighting	Manufacturing – plastics, pharmaceuticals and chemicals
Infrastructure – transport (ports, rail and road)	Manufacturing – clothing textiles, footwear and leather
Basic services (local government access roads)	Forestry, paper, pulp and furniture
Basic services (local government) – public transport	Business process servicing
Infrastructure – water (bulk and reticulation)	Advanced materials
Basic services (local government) – sanitation	Aerospace
Basic services (local government) – waste management	Basic services (local government) – education
Basic services (local government) water	Basic services (local government) – health
Agricultural value chain + agro-processing (linked to food security and food pricing imperatives)	Basic services (local government) - housing
Infrastructure – information and communication technology	Basic services (local government) security of tenure
Tourism + strengthening linkages between cultural industries and tourism	Other
Basic services (local government) – public open spaces and recreational facilities	

Table 2

Does the listed activity/ies applied for form part of a larger project which is not a listed activity itself e.g. a road that is a listed activity that is needed to access a drilling site where the drilling does not constitute a listed activity.	YES	NO ✓
If indicated yes above, please provide a brief description on how the activity/ies relate to the larger project that forms part there of:		

3. GENERAL INFORMATION

Applicant name:	Keren Energy Kakamas (Pty) Ltd.		
Registration number (if applicant is a company):	2012/205994/07		
Trading name (if any):	N/A		
BBBEE status	To be determined		
Responsible person name (if the applicant is a company):	Mr. Cornelius Weyers Janse van Rensburg		
Applicant/Responsible person ID number:	7301275062086		
Responsible position, e.g. Director, CEO, etc.:	Appointed company representative		
Physical address:	20 Victoria Link, Route 21 Corporate Park, Irene, Pretoria, 0157		
Postal address:	P.O. Box 73, Somerset Mall, Western Cape		
Postal code:	7137	Cell:	0826317496
Telephone:	Not provided	Fax:	0862676181
E-mail:	weyers@kerenenergy.com		

Provincial Authority:

Contact person:

Postal address:

Postal code:

Telephone:

E-mail:

Northern Cape Province: Department of Environment and Nature Conservation		
Ms. E. Botes		
Private Bag X6010, Kimberley, Northern Cape		
8306	Cell:	Not provided
053 807 7300	Fax:	086 625 6470
bbotes@gmail.com		

Local municipality:

Contact person:

Postal address:

Postal code:

Telephone:

E-mail:

Gai! Garib Local Municipality			
Mr. L.G. Lategaan			
Private Bag X6, Kakamas, Northern Cape			
8870	Cell:	Not provided	
054 461 6400	Fax:	054 461 6401	
mm@kaigarib.gov.za		or	admin@kaigarib.gov.za

In instances where there is more than one local authority involved, please attach a list of those local authorities with their contact details as Appendix 3.

Landowner:

Contact person:

Postal address:

Postal code:

Telephone:

E-mail:

Kai! Garib Local Municipality		
Mr. J. McKay		
Private Bag X6, Kakamas, Northern Cape		
8870	Cell:	Not provided
054 461 6400	Fax:	054 461 6401
admin@kaigarib.gov.za		

In instances where there is more than one landowner, please attach a list of those landowners with their contact details as Appendix 4. Unless the application is in respect of linear activities or strategic integrated projects as contemplated in the Infrastructure Development Act, 2014, written consent of landowner/s must be submitted in Appendix 4.

Identified Competent Authority to consider the application:

Reason(s) in terms of S24C of NEMA 1998 as amended:

National Department of Environmental Affairs
Application is for renewable energy electricity supply into the national Eskom (parastatal) grid and through the Department of Energy, is related to SIPs as described in the National Development Plan, 2011, as well as the IRP bidding process (application formed part of Bid Window 2 of the Renewable Energy Independent Power Producers Procurement Programme).

4. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

EAP company name:
B-BBEE

Professional affiliation/registration:

Contact person:

Company:

Physical address:

Postal address:

Postal code:

Telephone:

E-mail:

Enviro Africa CC			
Contribution level (indicate 1 to 8 or non-compliant)	Level 4	Percentage Procurement recognition	N/A
IAIAsa (Membership Number: 219)			
Bernard de Witt			
Enviro Africa CC			
29 St. James Street, Somerset West, Western Cape, 7130			
P. O. Box 5367, Helderberg, Western Cape			
7135	Cell:	082 448 9991	
021 851 1616	Fax:	086 512 0152	
admin@enviroafrica.co.za			

The appointed EAP must meet the requirements of Regulation 13 of GN R.982, dated December 2014. The declaration of independence of the EAP and undertaking under oath or affirmation that all the information submitted or to be submitted for the purposes of the application is true and correct must be submitted as Appendix 9.

5. SITE DESCRIPTION

Provide a detailed description of the site involved in the application.

Province	Northern Cape Province
District Municipality	Siyanda District Municipality
Local Municipality	Ga!Garib Local Municipality
Ward number(s)	N/A
Nearest town(s)	Kakamas
Farm name(s) and number(s)	Kakamas Erf. 1654
Portion number(s)	N/A

Surveyor General 21 digit code

(If there are more than 4, please attach a list with the rest of the codes as Appendix 5. Where the 21 digit SGID and farm name are not available, the coordinates of the boundary of the property or properties must be provided in Appendix 5.)

C	0	2	8	0	0	0	0	0	0	0	0	1	6	5	4	0	0	0	0	0
1	2	3	4	5																

Are there any other applications for Environmental Authorisation on the same property?	YES	NO <input checked="" type="checkbox"/>
If YES, please indicate the following:		
Competent Authority		
Reference Number		
Project Name		
Please provide details of the steps taken to ascertain this information:		

6. ACTIVITIES TO BE AUTHORISED

For an application for authorisation that involves more than one listed activity that, together, make up one development proposal, all the listed activities pertaining to this application must be indicated.

Detailed description of listed activities associated with the project	
Listed activity as described in GN R 327, 325 and 324	Description of project activity that triggers listed activity
<i>e.g. GN R.327 Item XX(x): The development of bridge exceeding 100 square metres in size within a watercourse</i>	<i>e.g. A bridge measuring 110 square metres will be constructed within the watercourse</i>
GN. R. 327 item 1(ii): The development of facilities or infrastructure for the generation of electricity from a renewable resource where the output is 10 megawatts (MW) or less but the total	A solar photovoltaic array with an electricity output of less than 10MW and a footprint greater than 1ha but not exceeding 20ha will be developed. The development will supply 5MW of electricity to the national grid (actual contracted

extent of the facility covers an area in excess of 1 hectare (ha) excluding where such development of facilities or infrastructure is for photovoltaic installations and occurs within an urban area	electricity generation capacity) but has a nameplate capacity of 5.75MW).
GN. R. 327 Item 12 (xii)(c): The development of infrastructure or structures with a physical footprint of 100m ² or more where such development occurs if no development setback exists, within 32m of a watercourse, measured from the edge of a watercourse.	Two watercourses (intermittent natural drainage lines) lie approximately on the east and west portions within the proposed site - extent of banks/edge of watercourse from development to be verified.
GN. R. 327 Item 27: The clearance of an area of 1ha or more, but less than 20ha of indigenous vegetation	Some clearance on the 20ha site will be required.

Please note that any authorisation that may result from this application will only cover activities specifically applied for. Co-ordinate points indicating the location of each listed activity must be provided with the relevant report (i.e. either BAR or EIR).

Please provide a project map indicating any sensitive areas (e.g. critical biodiversity area, World Heritage Site, etc.) overlaid by the study area in Appendix 6.

A project schedule, indicating the different phases and timelines of the project, must be attached as Appendix 7.

7. PUBLIC PARTICIPATION

Provide details of the public participation process proposed for the application as required by Regulation 41(2) of GN R .982, dated December 2014.

<p>First round of public participation (PP) process:</p> <p>Place advertisement in local newspapers regarding project, availability of copies of DBAR and process to register as an I&AP. Send out notifications to previously registered Interested and Affected Parties (I&APs). Send out notifications and copies of DBAR to Authorities Place A2 posters on site Display and place A3 posters, maildrop letters and copy of DBAR in public facilities (Municipality, large retail shops in Kakamas, winery <i>en route</i> to site) Deliver maildrop letters to neighbouring properties/local spaza shop. A3 posters displayed in neighbouring community. Make copy of DBAR and all associated documents available on Enviro Africa website for public viewing / comment Email, deliver or post copies of any PP documentation to querying I&APs who request them.</p> <p>Update I&AP List.</p> <p>Repeat first round PP process for all registered I&APs for the second round of PP using Final BAR (FBAR).</p> <p>Await DEA EA decision. Inform I&APs of DEA decision when received.</p> <p>Note: Since this is a re-application for a previously granted EA, Enviro Africa CC used the original EA application I&AP list to specifically send all related PP project information to those I&APs previously registered.</p>

8. OTHER AUTHORISATIONS REQUIRED

LEGISLATION	AUTHORISATION REQUIRED		APPLICATION SUBMITTED	
	YES	NO ✓	YES ✓	NO
SEMA's				
National Environmental Management: Air Quality Act	YES	NO ✓		
National Environmental Management: Biodiversity Act	YES	NO ✓		
National Environmental Management: Integrated Coastal Management Act	YES	NO ✓		
National Environmental Management: Protected Areas Act	YES	NO ✓		
National Environmental Management: Waste Act	YES	NO ✓		
National legislation				
Mineral Petroleum Development Resources Act	YES	NO ✓		
National Water Act	YES	NO ✓		
National Heritage Resources Act	YES ✓	NO	YES ✓	NO
Others: Please specify - Land Use Application	YES ✓	NO	YES ✓	NO

If authorisation is necessary in terms of the National Environmental Management: Waste Act, please contact the Department for guidance on the Integrated Permitting System.

Note that in terms of sections 7B and 7C of the National Environmental Management: Integrated Coastal Management Act, 2008 (Act No. 24 of 2008) ICMA, a pre-approval for a reclamation application in terms of the ICMA should first be issued by the Minister prior to the submission of a NEMA Chapter 5 EA application to the NEMA competent authority (CA).

9. LIST OF APPENDICES

		SUBMITTED	
Appendix 1	Proof of Payment	YES ✓	NO
Appendix 2	Strategic Infrastructure Projects	YES ✓	N/A
Appendix 3	List of Local Municipalities (with contact details)	YES ✓	N/A
Appendix 4	List of land owners (with contact details) and written consent of land owners.	YES ✓	NO
Appendix 5	List of SGIDs	YES	N/A ✓
Appendix 6	Project map	YES ✓	NO
Appendix 7	Project schedule	YES ✓	N/A
Appendix 8	Declaration of Applicant	YES ✓	NO
Appendix 9	Declaration of EAP and undertaking under oath or affirmation	YES ✓	NO

**APPENDIX 1
PROOF OF PAYMENT/ MOTIVATION FOR EXCLUSION**

Proof of payment for EA application (BAR) attached as page 14-A.



Internet banking
Standard Bank Centre
5 Simmonds Street, Johannesburg,
2001
P.O. Box 7725, Johannesburg, 2000
Telephone: 0860 123 000
International: +27 11 299 4701
Fax: +27 11 631 8550
Website: www.standardbank.co.za

Dear DEA Pretoria Kakamas

We confirm that the following payment has been made into your account from Bernard:

Reference number	1152837262
Beneficiary name	DEPARTMENT OF ENVIR
Bank name	ABSA BANK
Beneficiary account number	0000001044240072
Beneficiary branch number	63200500
Beneficiary reference	-28.787420/20.605250
Amount	R2002,00
Payment date and time	2017-03-24 08h46

If you need more information or have any questions about this payment, please contact:

Bernard
0824489991

Payments to Standard Bank accounts may take up to one business day to reflect.
Payments to other banks may take up to three business days.
Please check your account to confirm you have received this payment.

Yours sincerely,
The Internet banking team

The Standard Bank of South Africa Limited (Reg. No. 1962/000736/08) Authorized financial services provider and registered credit provider (NCRCP15)

Directors: TS Gcobeke (Chairman) SK Tshabetele* (Chief Executive) A Deshrie* RMM Durnea* G Fraser-Molise* Shu Gull* GNB Kennedy BJ Kruger* JH Mame NMA Matyuzza KD Morala ML Odur-Olim* AC Puzor ANA Poleside CON* MJD Ruck PD Sullivan* BS Tshabetele JM Vice Werbin Wang* EM Woods

Company Secretary: Z Stephen 21/11/2016

*Executive Director #British #Kenyans #Nigerian #NewZealand #Chinese

14-A

**APPENDIX 2
STRATEGIC INFRASTRUCTURE PROJECTS**

<p>SIP 1: Unlocking the northern mineral belt with Waterberg as the catalyst</p> <ul style="list-style-type: none"> • Unlock mineral resources • Rail, water pipelines, energy generation and transmission infrastructure • Thousands of direct jobs across the areas unlocked • Urban development in Waterberg - first major post-apartheid new urban centre will be a "green" development project • Rail capacity to Mpumalanga and Richards Bay • Shift from road to rail in Mpumalanga • Logistics corridor to connect Mpumalanga and Gauteng.
<p>SIP 2: Durban-Free State-Gauteng logistics and industrial corridor</p> <ul style="list-style-type: none"> • Strengthen the logistics and transport corridor between SA's main industrial hubs • Improve access to Durban's export and import facilities • Integrate Free State Industrial Strategy activities into the corridor • New port in Durban • Aerotropolis around OR Tambo International Airport.
<p>SIP 3: South-Eastern node & corridor development</p> <ul style="list-style-type: none"> • New dam at Mzimvubu with irrigation systems • N2-Wild Coast Highway which improves access into KwaZulu-Natal and national supply chains • Strengthen economic development in Port Elizabeth through a manganese rail capacity from Northern Cape • A manganese sinter (Northern Cape) and smelter (Eastern Cape) • Possible Mthombo refinery (Coega) and transshipment hub at Ngqura and port and rail upgrades to improve industrial capacity and performance of the automotive sector.
<p>SIP 4: Unlocking the economic opportunities in North West Province</p> <ul style="list-style-type: none"> • Acceleration of investments in road, rail, bulk water, water treatment and transmission infrastructure • Enabling reliable supply and basic service delivery • Facilitate development of mining, agricultural activities and tourism opportunities • Open up beneficiation opportunities in North West Province.
<p>SIP 5: Saldanha-Northern Cape development corridor</p> <ul style="list-style-type: none"> • Integrated rail and port expansion • Back-of-port industrial capacity (including an IDZ) • Strengthening maritime support capacity for oil and gas along African West Coast • Expansion of iron ore mining production and beneficiation.
<p>SIP 6: Integrated municipal infrastructure project Develop national capacity to assist the 23 least resourced districts (19 million people) to address all the maintenance backlogs and upgrades required in water, electricity and sanitation bulk infrastructure. The road maintenance programme will enhance service delivery capacity thereby impacting positively on the population.</p>
<p>SIP 7: Integrated urban space and public transport programme Coordinate planning and implementation of public transport, human settlement, economic and social infrastructure and location decisions into sustainable urban settlements connected by densified transport corridors. This will focus on the 12 largest urban centres of the country, including all the metros in South Africa. Significant work is underway on urban transport integration.</p>

<p>SIP 8: Green energy in support of the South African economy Support sustainable green energy initiatives on a national scale through a diverse range of clean energy options as envisaged in the Integrated Resource Plan (IRP2010) and support bio-fuel production facilities.</p> <p><i>Indicate capacity in MW: 5MW</i></p>	✓
<p>SIP 9: Electricity generation to support socioeconomic development Accelerate the construction of new electricity generation capacity in accordance with the IRP2010 to meet the needs of the economy and address historical imbalances. Monitor implementation of major projects such as new power stations: Medupi, Kusile and Ingula.</p> <p><i>Indicate capacity in MW: 5MW</i></p>	✓
<p>SIP 10: Electricity transmission and distribution for all Expand the transmission and distribution network to address historical imbalances, provide access to electricity for all and support economic development. Align the 10-year transmission plan, the services backlog, the national broadband roll-out and the freight rail line development to leverage off regulatory approvals, supply chain and project development capacity.</p>	
<p>SIP 11: Agri-logistics and rural infrastructure Improve investment in agricultural and rural infrastructure that supports expansion of production and employment, small-scale farming and rural development, including facilities for storage (silos, fresh-produce facilities, packing houses); transport links to main networks (rural roads, branch train-line, ports), fencing of farms, irrigation schemes to poor areas, improved R&D on rural issues (including expansion of agricultural colleges), processing facilities (abattoirs, dairy infrastructure), aquaculture incubation schemes and rural tourism infrastructure.</p>	
<p>SIP 12: Revitalisation of public hospitals and other health facilities Build and refurbish hospitals, other public health facilities and revamp 122 nursing colleges. Extensive capital expenditure to prepare the public healthcare system to meet the requirements of the National Health Insurance (NHI) system. The SIP contains major builds for 6 hospitals.</p>	
<p>SIP 13: National school build programme A national school build programme driven by uniformity in planning, procurement, contract management and provision of basic services. Replace inappropriate school structures and address basic service backlog and provision of basic services under the Accelerated School Infrastructure Delivery Initiative (ASIDI). In addition, address national backlogs in classrooms, libraries, computer labs and admin buildings. Improving the learning environment will strengthen outcomes especially in rural schools, as well as reduce overcrowding.</p>	
<p>SIP 14: Higher education infrastructure Infrastructure development for higher education, focusing on lecture rooms, student accommodation, libraries and laboratories, as well as ICT connectivity. Development of university towns with a combination of facilities from residence, retail to recreation and transport. Potential to ensure shared infrastructure such as libraries by universities, FETs and other educational institutions. Two new universities will be built - in Northern Cape and Mpumalanga.</p>	
<p>SIP 15: Expanding access to communication technology Provide for broadband coverage to all households by 2020 by establishing core Points of Presence (POPs) in district municipalities, extend new Infracore fibre networks across provinces linking districts, establish POPs and fibre connectivity at local level, and further penetrate the network into deep rural areas. While the private sector will invest in ICT infrastructure for urban and corporate networks, government will co-invest for township and rural access, as well as for e-government, school and health connectivity. The school roll-out focus is initially on the 125 Dinaledi (science and maths-focussed) schools and</p>	

1525 district schools. Part of digital access to all South Africans includes TV migration nationally from analogue to digital broadcasting.

SIP 16: SKA & Meerkat

SKA is a global mega-science project, building an advanced radio-telescope facility linked to research infrastructure and high-speed ICT capacity and provides an opportunity for Africa and South Africa to contribute towards global advanced science projects.

SIP 17: Regional Integration for African cooperation and development

Participate in mutually beneficial infrastructure projects to unlock long-term socio-economic benefits by partnering with fast growing African economies with projected growth ranging between 3% and 10%.

The projects involving transport, water and energy also provide competitively-priced, diversified, short and medium to long-term options for the South African economy where, for example, electricity transmission in Mozambique (Cesul) could assist in providing cheap, clean power in the short-term whilst Grand Inga in the DRC is long-term.

All these projects complement the Free Trade Area (FTA) discussions to create a market of 600 million people in South, Central and East Africa.

SIP 18: Water and sanitation Infrastructure

A 10-year plan to address the estimated backlog of adequate water to supply 1.4m households and 2.1m households to basic sanitation.

The project will involve provision of sustainable supply of water to meet social needs and support economic growth. Projects will provide for new infrastructure, rehabilitation and upgrading of existing infrastructure, as well as improve management of water infrastructure.

Note: The proposed renewable energy solar PV development will contribute directly to SIP 8 and indirectly to SIP 9 i.e. Green Energy in support of the South African economy and Electricity Generation to support socio-economic development, respectively.

The applicant was part of the Department of Energy's Bid Window 2 under SIP 8 and was awarded the bid and appointed as Preferred Bidder as per attached pages 17-A to 17-K, below.



energy

Department:
Energy
REPUBLIC OF SOUTH AFRICA

To: Keren Energy Kakamas (Pty) Ltd

PER EMAIL

Dear Sir / Madam

THE REPUBLIC OF SOUTH AFRICA - DEPARTMENT OF ENERGY

TENDER NO: DOE/004/13/14

**FOR: NEW POWER GENERATION FACILITIES UNDER THE SMALL PROJECTS
IPP PROCUREMENT PROGRAMME**

1. The Department refers to the Request for Qualification and Proposals for New Generation Capacity under the Small IPP Procurement Programme dated 21 August 2013 and all associated Briefing Notes issued in terms thereof, under tender number DOE/004/13/14 ("RFP"); and to your Bid Response submitted on 14 June 2016 for the Second Stage 2 Bid Submission Phase, as well as your response to the clarification questions issued to you on 1 July 2016.
2. Capitalised terms used in this letter shall bear the meanings given to them in the RFP, unless they are separately defined in this letter or the context dictates otherwise.
3. Appointment as a Preferred Bidder
 - 3.1 Following the evaluation of the Bid Responses submitted on the Second Stage Two Submission Date, the Department wishes to inform you that it has selected Keren Energy Kakamas (Pty) Ltd as a Preferred Bidder in respect of its 5.00 MW Kakamas Solar Facility, located in the Northern Cape, for the

A handwritten signature in black ink, appearing to be a stylized name.

supply of Solar Photovoltaic Renewable Energy to Eskom Holdings SOC Limited.

- 3.2 Accordingly, the Department hereby notifies Keren Energy Kakamas (Pty) Ltd of its appointment as a Preferred Bidder, in respect of the Second Stage Two Bid Submission Phase of the Small Projects IPP Procurement Programme. It is noted that the Project will be 100% funded by Debt and that accordingly no Shareholders will be providing any Equity Finance contributions; therefore Keren Energy Kakamas (Pty) Ltd is appointed as a Preferred Bidder on the basis that the Expected Equity Value, as defined in the Implementation Agreement, will be NIL, as it is incalculable in terms of Clause 12.2.4.2.
- 3.3 In order for the appointment of Keren Energy Kakamas (Pty) Ltd as a Preferred Bidder to take effect, this letter must be returned to the Project Officer, counter-signed by the duly authorised representative of Keren Energy Kakamas (Pty) Ltd, by no later than close of business on the 10th (tenth) Business Day after the date of receipt of this letter.
- 3.4 We draw your attention to the provisions of the RFP which continue to apply to Keren Energy Kakamas (Pty) Ltd as a Preferred Bidder, notwithstanding anything contained in the Bid Response of Keren Energy Kakamas (Pty) Ltd.
- 3.5 In particular, the Department wishes to confirm that:
- 3.5.1 in terms of paragraph 5.1.71 of Part A of the RFP, the terms of the draft PPA, Implementation Agreement, Direct Agreement, the Connection Agreements and the Connection Direct Agreement issued with the RFP ("Transaction Agreements") are not negotiable, notwithstanding anything stated by any Member, Lender, Contractor or other participant in Keren Energy Kakamas (Pty) Ltd's Bid Response. In addition, Keren Energy Kakamas (Pty) Ltd, its Members, Lenders, Contractors and any other participant in Keren Energy Kakamas (Pty) Ltd's Bid Response may not raise any comments in respect of or negotiate any of the terms of the Transaction Agreements, save for any comments to address errors or to provide information to the Department to enable it to prepare execution versions of your Transaction Agreements;
- 3.5.2 the execution versions of the Transaction Agreements will be provided to you by the Department on the basis of the information supplied by



Keren Energy Kakamas (Pty) Ltd in its Bid Response, and shall be the basis upon which Keren Energy Kakamas (Pty) Ltd shall finalise its Project to reach Financial Close. In particular, please note that the schedules to the PPA submitted by Keren Energy Kakamas (Pty) Ltd in its Bid Response (pursuant to paragraph 2.2.3.1.4 of Part C of the RFP), will be used by the Department to populate and finalise the PPA prior to Financial Close. The Department accepts no responsibility and assumes no risk for delays which may be occasioned as a result of incorrect or incomplete information provided by Keren Energy Kakamas (Pty) Ltd in its Bid Response;

3.5.3 the Department's right to call on Keren Energy Kakamas (Pty) Ltd's Preferred Bidder Guarantee in terms of and in the circumstances set out in paragraph 23.3 of Part A of the RFP, is in no way limited by or subject to any of the conditions contained in the letters of support and/or term sheets submitted by the Lenders, providers of Equity Finance and or Corporate Finance. Therefore, notwithstanding all or any of the conditions to the provision of External Debt, Equity Finance or Corporate Finance imposed by relevant financier in the Bid Response the Department reserves fully its right to call on Keren Energy Kakamas (Pty) Ltd's Preferred Bidder Guarantee in the event that Keren Energy Kakamas (Pty) Ltd fails to reach Financial Close within the time period specified;

3.5.4 Keren Energy Kakamas (Pty) Ltd is reminded that the Department anticipates that Financial Close is estimated to be within twelve months from the time of announcement and that Keren Energy Kakamas (Pty) Ltd is required to meet any such timelines as may be determined by the Department;

3.5.5 there will be no upward movement in your Price at Financial Close, with the sole exception of an adjustment for foreign exchange rate movements, if applicable and subject to the limits provided for in paragraph 3.5.1.1 of Volume 4 of the RFP, read with Keren Energy Kakamas (Pty) Ltd's Bid Response;



- 3.5.6 there will be no upward movement in equity IRR as a result of a movement in foreign exchange rates at Financial Close against the benchmark rates set out in Briefing Note 9;
- 3.5.7 if the foreign exchange rate at Financial Close is below the benchmark rates set out in Briefing Note 9, then the Price shall be reduced appropriately to take into account the lower foreign exchange rates;
- 3.5.8 subject to clauses 3.5.5, 3.5.6 and 3.5.7 above, any changes to the Financial Model and or the Price resulting from fluctuation in foreign exchange rates must be disclosed to, agreed with and effected in conjunction with the Department;
- 3.5.9 in terms of paragraph 23.4 of Part A of the RFP, the Project Company will pay a Development Fee calculated as R230 000 per MW of the Contracted Capacity for your Project, within 10 Business Days of the date of signature of the Implementation Agreement, failing which the Department may call Keren Energy Kakamas (Pty) Ltd's Preferred Bidder Guarantee;
- 3.5.10 Keren Energy Kakamas (Pty) Ltd's attention is drawn to the warranties relating to Success Payments in clauses 23.1.14 and 23.1.15 of the Implementation Agreement;
- 3.5.11 any costs relating to interest rate and/or foreign exchange hedging are at Keren Energy Kakamas (Pty) Ltd's risk and there will be no subsequent impact on Price;
- 3.5.12 tax and accounting assumptions are a Preferred Bidder's risk and accordingly, there will be no impact on Price as a result of the adoption of an alternative tax or accounting treatment to that included within the Financial Model submitted as part of the Bid Response;
- 3.5.13 as indicated in paragraph 3.1.6 of Part D of the RFP, the commitments reflected in the Economic Development Scorecard will be migrated to the relevant portions of Schedule 2 to the Implementation Agreement (*Economic Development Obligations*); and
- 3.5.14 as indicated in paragraph 52.7 of Part A of the RFP, the Department reserves the right to seek additional information from Keren Energy



Kakamas (Pty) Ltd in respect of its Bid Response as the Department may, in its sole discretion, determine, whether such information has been requested under this RFP or otherwise, and may, amongst other things, require the Bidder to provide the Department with supplementary information in respect of its Bid Response, if so required by the Department.

- 3.6 In order to ensure that the requirements of Regulation 9 of the Electricity Regulations on New Generation Capacity of 2011 are satisfied in respect of the Project, the Department reserves the right to negotiate with Keren Energy Kakamas (Pty) Ltd, and the appointment of Keren Energy Kakamas (Pty) Ltd as a Preferred Bidder is subject to the Department negotiating with it on whether the Project achieves value for money for the Government and the electricity consumer, as contemplated in paragraph 5.1.6 of Part A of the RFP.
- 3.7 The appointment of Keren Energy Kakamas (Pty) Ltd as a Preferred Bidder is also subject to Keren Energy Kakamas (Pty) Ltd demonstrating, pursuant to and in accordance with paragraph 13 of Part A of the RFP, to the satisfaction of the Department, that the application for all Land Use Consents and Environmental Consents required for Keren Energy Kakamas (Pty) Ltd's proposed Facility to be lawfully developed, connected to a Distribution System or Transmission System and Operated in accordance with the PPA, has been made and has progressed sufficiently so as not to delay Financial Close. The Department will communicate further with Keren Energy Kakamas (Pty) Ltd regarding the documentation and/or information that it requires pursuant to paragraph 13 of Part A of the RFP in due course. The Department shall be entitled, in its sole discretion, to terminate Keren Energy Kakamas (Pty) Ltd's status as a Preferred Bidder if Keren Energy Kakamas (Pty) Ltd fails to timely comply with a request for documentation and/or information pursuant to paragraph 13 of Part A of the RFP, or fails to satisfy the Department that all applications contemplated in that paragraph have been made and have progressed sufficiently so as not to delay Financial Close.
- 3.8 Should Keren Energy Kakamas (Pty) Ltd fail to act in accordance with the requirements set out in clauses 3.5, 3.6 and 3.7 above at any time, the Department reserves the right to terminate the appointment of Keren Energy Kakamas (Pty) Ltd as a Preferred Bidder, and to call its Preferred Bidder Guarantee.

- 3.9 For purposes of finalising and executing the PPA, the Department will apply the Preferred Bidder's fully indexed Price.

4. Preferred Bidder Guarantee

In terms of paragraph 23.1 of Part A of the RFP, in order for Keren Energy Kakamas (Pty) Ltd to continue in the Small Projects IPP Procurement Programme as a Preferred Bidder, Keren Energy Kakamas (Pty) Ltd is required to lodge a Preferred Bidder Guarantee (in the form provided in Schedule 26 of Volume 1, Part 2 of the RFP) with the Department in an amount equal to R75 000.00 (Seventy Five Thousand Rands) within 15 Business Days of receipt of this letter. Should Keren Energy Kakamas (Pty) Ltd fail to provide the Preferred Bidder Guarantee in accordance with the requirements in this clause 4, the Department reserves the right to terminate the appointment of Keren Energy Kakamas (Pty) Ltd as a Preferred Bidder.

5. Proof of Application for Generation Licence

In accordance with paragraph 18.3 of Part A of the RFP, Keren Energy Kakamas (Pty) Ltd is required to submit evidence to the Department that its generation licence application, together with all the required supporting documentation, has been submitted to and received by NERSA within 14 days of being appointed as Preferred Bidder. The period of 14 days commences on the date on which this letter is returned to the Project Officer, counter-signed by the duly authorised representative of Keren Energy Kakamas (Pty) Ltd, as contemplated in clause 3.3 above. Should Keren Energy Kakamas (Pty) Ltd fail to act in accordance with this clause 5, the Department reserves the right to terminate the appointment of Keren Energy Kakamas (Pty) Ltd as a Preferred Bidder.

6. Eskom Confirmation

As a condition to the obtaining of Eskom Board approval of the PPA to be concluded between the Project Company and Eskom Holdings SOC Limited, Keren Energy Kakamas (Pty) Ltd is required to complete the letter attached hereto as Annexure A (Confirmation regarding interests in Eskom Holdings SOC Limited), confirming both its and its Members' interests in relation to Eskom Holdings SOC Limited. This



letter must be returned to the Project Officer, signed by the duly authorised representative of the Project Company, by no later than close of business on the 10th (tenth) Business Day after the date of receipt of this letter.

7. Payment of budget quote fee

As indicated in paragraph 10 (Timetable for Small IPP Procurement Programme) of Part A of the RFP, Keren Energy Kakamas (Pty) Ltd is required to apply for a budget quotation from the Grid Provider and to pay the relevant budget quotation fee within 14 days of being appointed as Preferred Bidder. The period of 14 days commences on the date on which this letter is returned to the Project Officer, counter-signed by the duly authorised representative of Keren Energy Kakamas (Pty) Ltd, as contemplated in clause 3.3 above. Keren Energy Kakamas (Pty) Ltd is required to submit evidence to the Department that it has applied for a budget quote and has paid the budget quotation fee within this 14 day period. Failure to comply with this requirement will entitle the Department to terminate the appointment of Keren Energy Kakamas (Pty) Ltd as a Preferred Bidder, and to call its Preferred Bidder Guarantee.

8. Change Requests

8.1 The Department draws your attention to paragraphs 19.3 to 19.7 (inclusive) of Part A of the RFP in respect of changes to any aspect of a Bid Response of a Preferred Bidder.

8.2 As indicated in paragraph 19.3 of Part A of the RFP, Keren Energy Kakamas (Pty) Ltd is not permitted to change any aspect of its Bid Response without the prior written approval of the Department.

9. We look forward to the successful conclusion of your Project and to those interactions with Keren Energy Kakamas (Pty) Ltd that are necessary, and contemplated by the RFP, for that purpose. Please note that the Department may wish to engage with you about achieving early Financial Close.



BP_PV_0048_003
Solar Photovoltaic
Second Stage Two Bid Submission Date

10. Please confirm the appointment of Keren Energy Kakamas (Pty) Ltd as a Preferred Bidder on the terms and conditions of this letter by having a copy of it signed and returned to the Project Officer, in accordance with clause 3.3 above.

Yours faithfully



Director-General: Department of Energy

Date: 09/12/16



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Keren Energy Kakamas (Pty) Ltd hereby accepts its appointment as a Preferred Bidder in respect of the Second Stage Two Submission Phase of the Small IPP Procurement Programme, and confirms its acceptance of the terms and conditions of this letter.



Signature of duly authorised representative of Keren Energy Kakamas (Pty) Ltd

17/01/2017
Date

Fritz Eksteen

Name

Director

Designation



17-I

ANNEXURE A

CONFIRMATION REGARDING INTEREST IN ESKOM HOLDINGS SOC LIMITED

Date: 16 January 2017

Department of Energy
192 Visagie Street (corner Visagie Street and Paul Kruger Street)
Pretoria
0001
South Africa

THE REPUBLIC OF SOUTH AFRICA -- DEPARTMENT OF ENERGY

TENDER NO: DOE/004/13/14

FOR: NEW POWER GENERATION FACILITIES UNDER THE SMALL IPP PROCUREMENT PROGRAMME

Dear Sirs

1. Being duly authorised to represent and act on behalf of Keren Energy Kakamas (Pty) Ltd (the "Preferred Bidder"), hereby confirms the following:

1.1. No director of the Preferred Bidder is currently, nor will be at the time of signature of the PPA, a director of Eskom Holdings SOC Limited or any of its subsidiary companies, other than as detailed below:

1.1.1. None

1.2. No director of any Member of the of the Preferred Bidder is currently, nor will be at the time of signature of the PPA, a director of Eskom Holdings SOC Limited or any of its subsidiary companies, other than detailed below:

1.2.1. None

1.3. No director of Eskom Holdings SOC Limited nor any of its subsidiary companies currently have, nor will have at the time of signature of the PPA, a direct or indirect interest in the Preferred Bidder, other than as detailed below:

1.3.1. None



SP_PV_0048_003
Solar Photovoltaic
Second Stage Two Bid Submission date

Yours faithfully,

Signed: 

Name: FRETZ EKSTEEN

For and on behalf of Keren Energy Kakamas (Pty) Ltd

**APPENDIX 3 (IF APPLICABLE)
LIST OF LOCAL MUNICIPALITIES**

There is only one Local Municipality i.e. Thembelihle Local Municipality, Pixley ka Seme District Municipality, Northern Cape Province involved in this application (contact details provided in application form above).

Municipality details (including Ward Councillor where available) as used in first round of public participation process, attached as page 18-A, below. Municipality details highlighted in yellow.

**APPENDIX 4
LIST OF LAND OWNERS
WRITTEN CONSENT OF LAND OWNERS**

**There is only one Land Owner i.e. Gai! Garib Local Municipality, involved in this application.
Written consent of land owner's form attached as per page 19-A to 19-C, below.**

OWNER OF REGISTERED PROPERTY'S CONSENT

CONSENT TO CONTINUE WITH THE PLANNING AND APPLICATION TO OBTAIN THE NECESSARY APPROVALS FOR THE ENVIRONMENTAL IMPACT ASSESSMENT AND OTHER APPLICATIONS FOR THE DEVELOPMENT OF THE PROPOSED

5 MW SOLAR PROJECT WITH SOLAR PHOTOVOLTAIC (PV) TECHNOLOGY BY THE COMPANY KEREN ENERGY KAKAMAS (PTY) LTD ON THE PROPERTY DESCRIBED AS ERF 1654, KAKAMAS, IN THE KAI I GARIB MUNICIPALITY (NC082), COMMONAGE, DISTRICT SIYANDA, NORTHERN CAPE PROVINCE. CO-ORDINATES IN THE CENTRE OF THE AREA BELOW.

This serves to confirm that I, JOHNNY MCKAY ID: 640725 5218 084, acting for and on behalf of KAI I GARIB MUNICIPALITY and hereafter referred to as the "Property Owner", hereby consent to continue with the planning and application to obtain the necessary approvals for the Environmental Impact Assessment and other applications for the development of the proposed:

5 MW SOLAR PROJECT WITH SOLAR PHOTOVOLTAIC (PV) TECHNOLOGY BY THE COMPANY KEREN ENERGY KAKAMAS (PTY) LTD ON THE PROPERTY DESCRIBED AS ERF 1654, KAKAMAS, IN THE KAI I GARIB MUNICIPALITY (NC082), COMMONAGE, DISTRICT SIYANDA, NORTHERN CAPE PROVINCE. CO-ORDINATES IN THE CENTRE OF THE AREA BELOW.

Co-ordinates of the property: 28°47'6.600" S 20°36'11.326" E

This consent is for the investigation and to undertake the activity/ies on the property necessary for the approval of the Environmental Impact Assessment and applications for the proposed development and is subject to the signing of a final agreement between the parties, the Owner, the applicant as well as the necessary environmental approvals.

Name of the Property/Farm: KAKAMAS COMMONAGE, ERF 1654

Registered name and number of the property: ERF 1654 KAKAMAS, IN THE KAI I GARIB MUNICIPALITY (NC082)

Owner's Address: 11TH AVENUE KAKAMAS

Owner's telephone No: 054 431 6300

Owner's e-mail address: ADMIN@KAIGARIB.CO.ZA

SIGNED: SEE ATTACHED FIRST AND LAST PAGE OF THE SIGNED LEASE AGREEMENT FOR THE SOLAR FACILITY.

DEED OF LEASE

Between

**KAI IGARIB LOCAL MUNICIPALITY
(NC082)**

Herein represented by Mr. J. Mac Kay

(the "Lessor")

KEREN ENERGY KAKAMAS (Pty) Ltd

Herein represented by Riaan Relief Janse van Rensburg in his capacity as trustee of the company to be incorporated in terms of the Laws of the Republic of South Africa.

(the "Lessee")

AND THE APPEARER DECLARED THAT:

WHEREAS

(a) The Lessor is the registered owner of immovable Property known as Erf 1654 Kakamas in the Kai iGarib Municipal (NC082) commonage, District Siyanda, Northern Cape Province, held by virtue of Deed of Transfer No. T74252/1989.

("Property")

(b) The Lessor has agreed to let a portion of the Leased Property to the Lessee for the purposes of constructing, commissioning and operating the Solar Energy Generation Facility, and the Lessee has agreed to hire the Leased Property from the Lessor.

(c) The Parties wish to record in writing their agreement in respect of the above and matters ancillary thereto and to register such Lease against the title deed of the Property.

Back 100
JHK

penalties, cost and the like suffered by the Lessor resulting from the Lessee's failure to do so or to obtain the necessary approvals and/or licences.

42. SUSPENSIVE CONDITION

Notwithstanding anything to the contrary in this agreement, this agreement shall lapse and be null and void if the Lessee did not succeed in signing a PPA agreement on or before 30 November 2016.

THIS DONE AND signed at KAKAMAS on the 27th day of March 2012.

AS WITNESSES

1. _____ [Signature]
LESSOR

2. [Signature]

THIS DONE AND signed at Stroud on the 31st day of March 2012.

AS WITNESSES

1. Perleubong _____ [Signature]
LESSEE

2. Maubcher

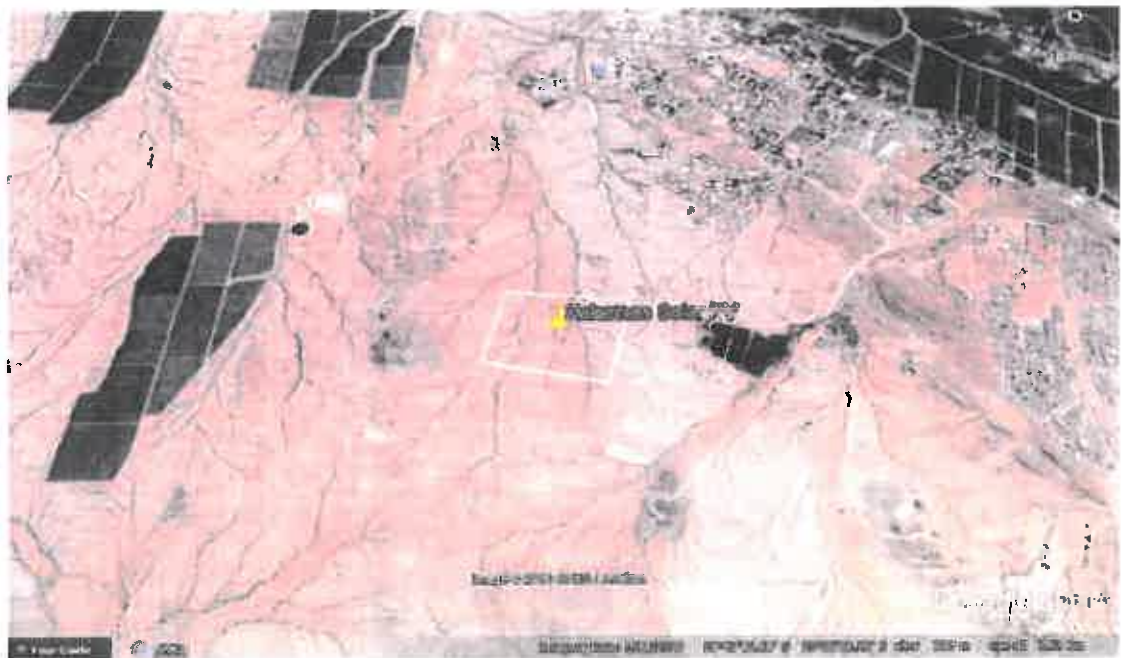
APPENDIX 5 (IF APPLICABLE)
LIST OF SGIDS / COORDINATES OF THE BOUNDARY OF THE PROPERTY OR PROPERTIES
(WHERE SGID AND FARM NAME ARE NOT AVAILABLE)

There is only one SGID related to this application (details provided in application form above).

**APPENDIX 6
PROJECT MAP**

Project maps as per pages 21-A and 12-B (Locality maps) and 21-C (Sensitivity map), indicate the sensitive areas overlain by the proposed project site.

Appendix A – Locality Maps



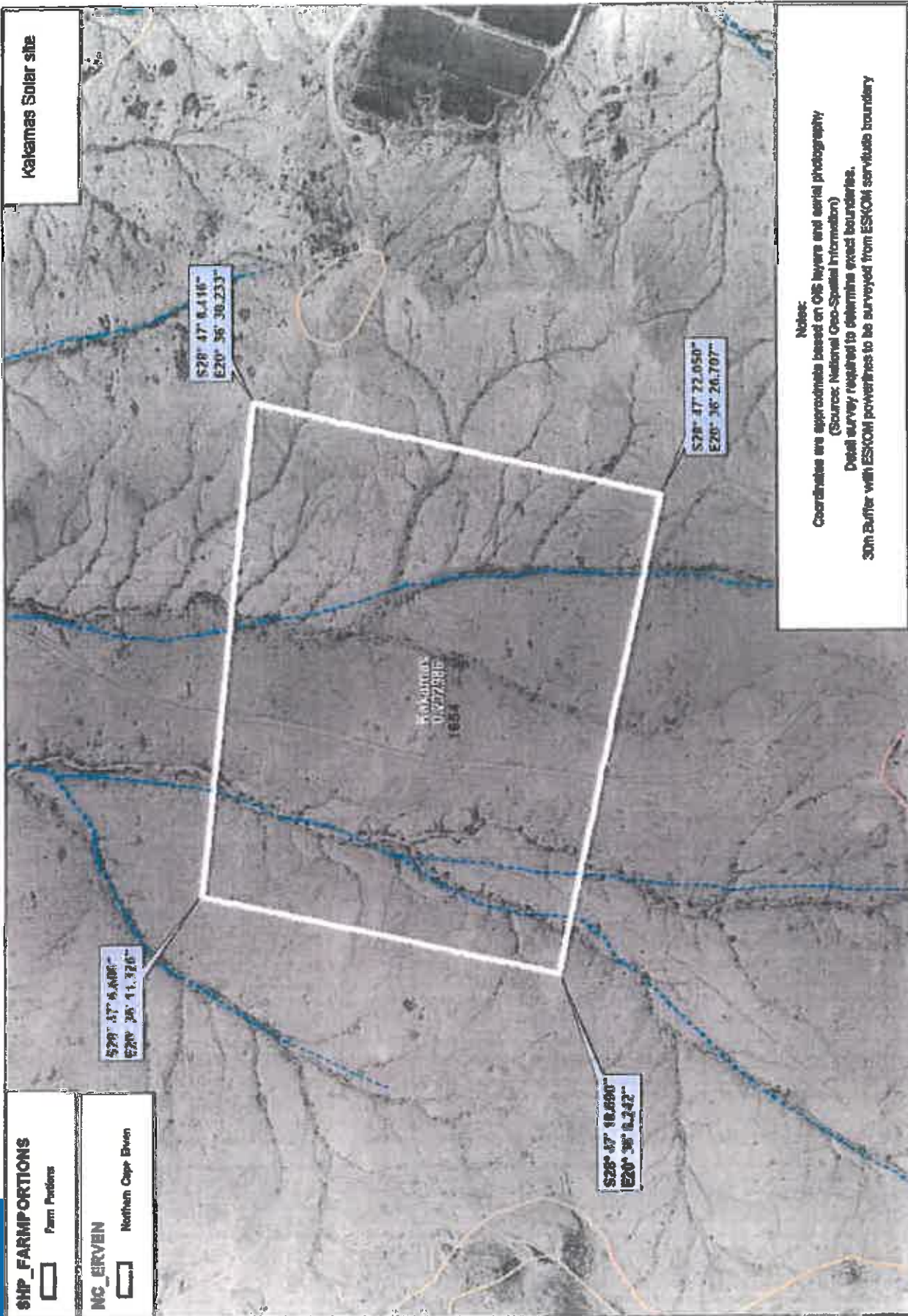
SHP_FARMPORTIONS

Farm Portions

NC_EIRVEN

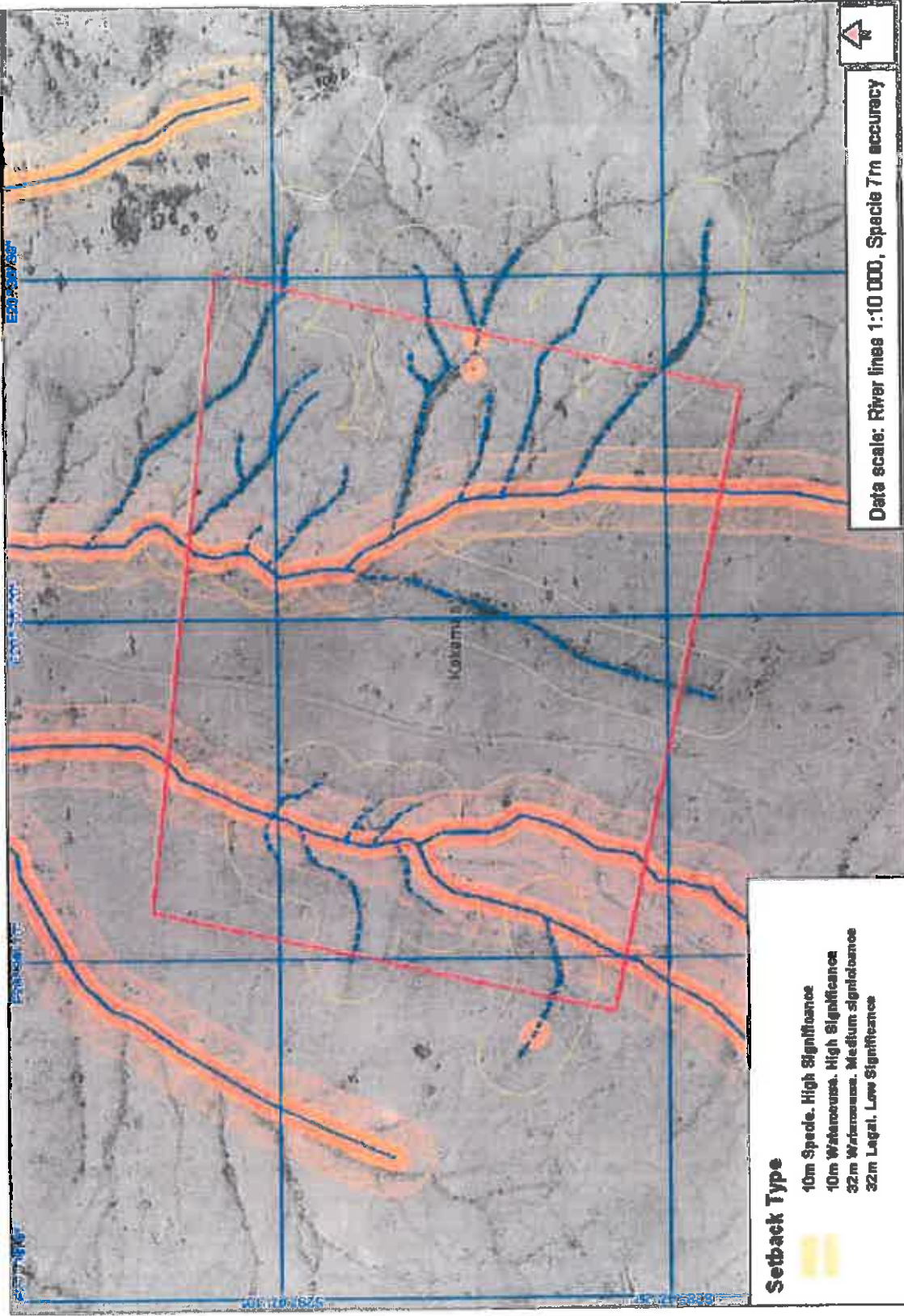
Norham Cape Even

Kakamas Solar site



Notes:
 Coordinates are approximate based on GIS layers and aerial photography
 (Source: National Geo-Spatial Information)
 Detail survey required to determine exact boundaries.
 30m Buffer with ESKOM powerlines to be surveyed from ESKOM servitude boundary





**APPENDIX 7
PROJECT SCHEDULE**

**Environmental Authorisation (EA) re-application project plan attached as page 22-A.
Proposed solar PV facility development original project phases and plan attached as page 22-B (plan indicates original successful EA application timelines).**

2017 Environmental Impact Assessment Process Project Plan: Roma and Keren Energy Northern Cape Solar PV Facilities			
No.	Action	Initial Target Date	Revised Target Date [#]
1	Clarification meeting with client re. 2016 meeting with National Department of Environmental Affairs (DEA) and change in technical scope	10 February	
2	Appointment of specialists for revised Basic Assessment Report (BAR) assessments	15 February	
3	Compile and finalise Draft BAR (DBAR) using original specialist assessments and environmental authorisation (EA) reference numbers	20 February - 03 March	
4	Site visits for reassessment	08 - 09 March	
5	First round of public participation (PP) starts with issuing of DBAR	10 March	
6	Compile of updated I&AP list and formally respond to PP comments and queries	16 March - 13 April	
7	Start compiling post-application/Final BAR and environmental management programme (EMPr)	13 April - 12 May	
8	Urgent completion of EA application form (change in planned application form submission date of 07 April 2017 after communication with DEA office on 17 March 2017)	12 - 24 March	
9	Received project reference number from DEA	31 March	
10	First round of PP with DBAR ends	10 April	
11	Compile / finalise post-application BAR with EMPr using revised/updated specialist assessments and environmental authorisation (EA) reference numbers.	12 April	
12	Respond to government comments on DBAR and application (need addendum to soil specialist reports particularly for Danielskuil). Capture comments and responses in trail report.	05 April - 12 May	
13	Finalise post-application BAR and EMPr using revised/updated specialist assessments	19 May - 5 June	
14	All specialist reports/updated addendums received.		22 May - 9 June
15	Notify DEA of 140 days hand in period due to revised specialist reports		26 May
16	Second round of PP with issue of post-application BAR to registered I&APs starts	24 April	20 June
17	Second round of PP ends	26 May	20 July
18	Communication with DEA re. PP comments and FBAR issue	31 May	20 July
19	Collate comments into FBAR and issue to DEA for decision and notify I&APs	15 June - 27 June	21-24 July
20	Await DEA EA decision		???
21	Inform registered I&APs of EA application outcome		Within 10 days of DEA decision

KEY

Target not met: ■; In progress (target date not met as yet): ■; Target met / met to date: ■

[#] Initial (internal) target date for FBAR submission to DEA delayed by three weeks due to changes in specialist report information.

2. Form 2 - Proposed Project Schedule

Merrim Energy Malabar	2011			2012			2013			2014			2015			2016			2017			2018					
	J	F	M	J	F	M	J	F	M	J	F	M	J	F	M	J	F	M	J	F	M	J	F	M	J	F	M
Identified Sites																											
Signed Lease Agreements																											
Initiated EA and Specimen report																											
EA and specialist studies underway																											
EA R2D received																											
First stage Bid preparation																											
First Stage SS Bid window																											
Second Stage SS Bid Preparation																											
Second Stage SS Bid Window																											
Working on improving local context																											
Preferred bidder status announcement																											
Second Stage SS Bid Preparation																											
Second Stage SS Bid Window																											
Preferred bidder status announcement																											
Working towards Financial Close																											
Financial Close																											
Engineering																											
Permitting																											
Purchasing - PO to last delivery																											
Staves on																											
Site Prep																											
Structural Installation																											
Electrical Installation - underground																											
Electrical Installation- above ground																											
Module installation																											
Connection works - on/ off on																											
Interconnection availability date (IAD)																											
Pre-functional checks																											
Commission																											
Performance testing																											
Target Substantial Completion																											
Final Commissioning																											
Commercial Operation Date (COD) #####																											

Kabamas 029

**APPENDIX 8
DECLARATION OF THE APPLICANT**

I, MEYERS JANSE VAN, declare that –
RENSBURG

- I am, or represent¹, the applicant in this application;
- I have appointed an Environmental Assessment Practitioner (EAP) to act as the independent EAP for this application / have obtained exemption from the requirement to obtain an EAP²;
- I will take all reasonable steps to verify whether the EAP and specialist/s appointed are independent and have expertise in conducting environmental impact assessments or undertaking specialist work as required, including knowledge of the Act, the EIA Regulations and any guidelines that have relevance to the proposed activity;
- I will provide the EAP and the competent authority with access to all information at my disposal that is relevant to the application;
- I will be responsible for the costs incurred in complying with the Regulations, including but not limited to –
 - costs incurred in connection with the appointment of the EAP or any person contracted by the EAP;
 - costs incurred in respect of the undertaking of any process required in terms of the Regulations;
 - costs in respect of any fee prescribed by the Minister or MEC in respect of the Regulations;
 - costs in respect of specialist reviews, if the competent authority decides to recover costs; and
 - the provision of security to ensure compliance with conditions attached to an environmental authorisation, should it be required by the competent authority;
- I will inform all registered interested and affected parties of any suspension of the application as well as of any decisions taken by the competent authority in this regard;
- I am responsible for complying with the conditions of any environmental authorisation issued by the competent authority;
- I hereby indemnify the Government of the Republic of South Africa, the competent authority and all its officers, agents and employees, from any liability arising out of the content of any report, any procedure or any action which the applicant or EAP is responsible for in terms of these Regulations;
- I will not hold the competent authority responsible for any costs that may be incurred by the applicant in proceeding with an activity prior to obtaining an environmental authorisation or prior to an appeal being decided in terms of these Regulations;
- I will perform all obligations as expected from an applicant in terms of the Regulations;
- all the particulars furnished by me in this form are true and correct; and
- I am aware of what constitutes an offence in terms of Regulation 48 and that a person convicted of an offence in terms of Regulation-48(1) is liable to the penalties as contemplated in section 49B of the Act.
- I am aware that in terms of Section 24F of the National Environmental Management Act, Act No 107 of 1998, as amended, that no listed activity may commence prior to an environmental authorisation being granted by the Competent Authority.


Signature³ of the applicant/ Signature on behalf of the applicant

KEREN ENERGY KAKAMAS (PTY) LTD.
Name of company (if applicable)

28 JULY 2017
Date:

¹ If this is signed on behalf of the applicant, proof of such authority from the applicant must be attached. If the applicant is a juristic person, a signature on behalf of the applicant is required as well as proof of such authority.

² If exemption is obtained from appointing an EAP, the responsibilities of an EAP will automatically apply to the person conducting the environmental impact assessment in terms of the Regulations.

³ Only original signatures will be accepted. No scanned, copied or faxed signatures will be accepted. An EAP may not sign on behalf of an applicant.

APPENDIX 9
9.1 DECLARATION OF THE EAP

I, BERNARD DE WITT, declare that -

- I act as the independent environmental assessment practitioner in this application;
- I have expertise in conducting environmental impact assessments, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant;
- I will take into account, to the extent possible, the matters listed in Regulation 18 of the Regulations when preparing the application and any report relating to the application;
- I undertake to disclose to the applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing - any decision to be taken with respect to the application by the competent authority; and - the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority, unless access to that information is protected by law, in which case it will be indicated that such information exists and will be provided to the competent authority;
- I will perform all obligations as expected from an environmental assessment practitioner in terms of the Regulations; and
- I am aware of what constitutes an offence in terms of Regulation 48 and that a person convicted of an offence in terms of Regulation 48(1) is liable to the penalties as contemplated in section 49B of the Act.

Disclosure of Vested Interest (delete whichever is not applicable)

- I do not have and will not have any vested interest (either business, financial, personal or other) in the proposed activity proceeding other than remuneration for work performed in terms of the Regulations;
- ~~I have a vested interest in the proposed activity proceeding, such vested interest being:~~

N/A

Signature of the environmental assessment practitioner

Enviro Africa CC
Name of company:

28 JULY 2017
Date

APPENDIX 9
9.2 UNDERTAKING UNDER OATH/ AFFIRMATION

I, BERNARD DE WITT, swear under oath / affirm that all the information submitted or to be submitted for the purposes of this application is true and correct.



Signature of the environmental assessment practitioner

ENVIRO AFRIKA CC

Name of company

28 JULY 2017

Date



COMMISSIONER OF OATHS
JACQUES ENGELBRECHT
Professional Accountant (S.A.)
P.O. Box 12347, Die Boord, 7623
021 851 0700

Signature of the commissioner of oaths

2017/7/28

Date