



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

APPLICATION FORM FOR ENVIRONMENTAL AUTHORISATION

File Reference Number:	(For official use only)
NEAS Reference Number:	DEA/EIA/
Date Received:	

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 Disselfontein 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	
The applicant is an organ of state	

FEE AMOUNT	Fee
Application for an environmental authorisation for which basic assessment is required in terms of the Environmental Impact Assessment Regulations	R2 000 ✓
Application for an environmental authorisation, for which S&EIR is required in terms of the Environmental Impact Assessment Regulations	

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: ... -29.476906/23.913177

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 about 1,0km of 22kV overhead powerline from the southern section of the PV array and a 22kV powerline connection or tie-in from the proposed development to Eskom's Disselfontein substation which is located near to the proposed development site. Figure 2 below indicates the position of the proposed solar PV array with the nearby Disselfontein substation.

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 was 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.

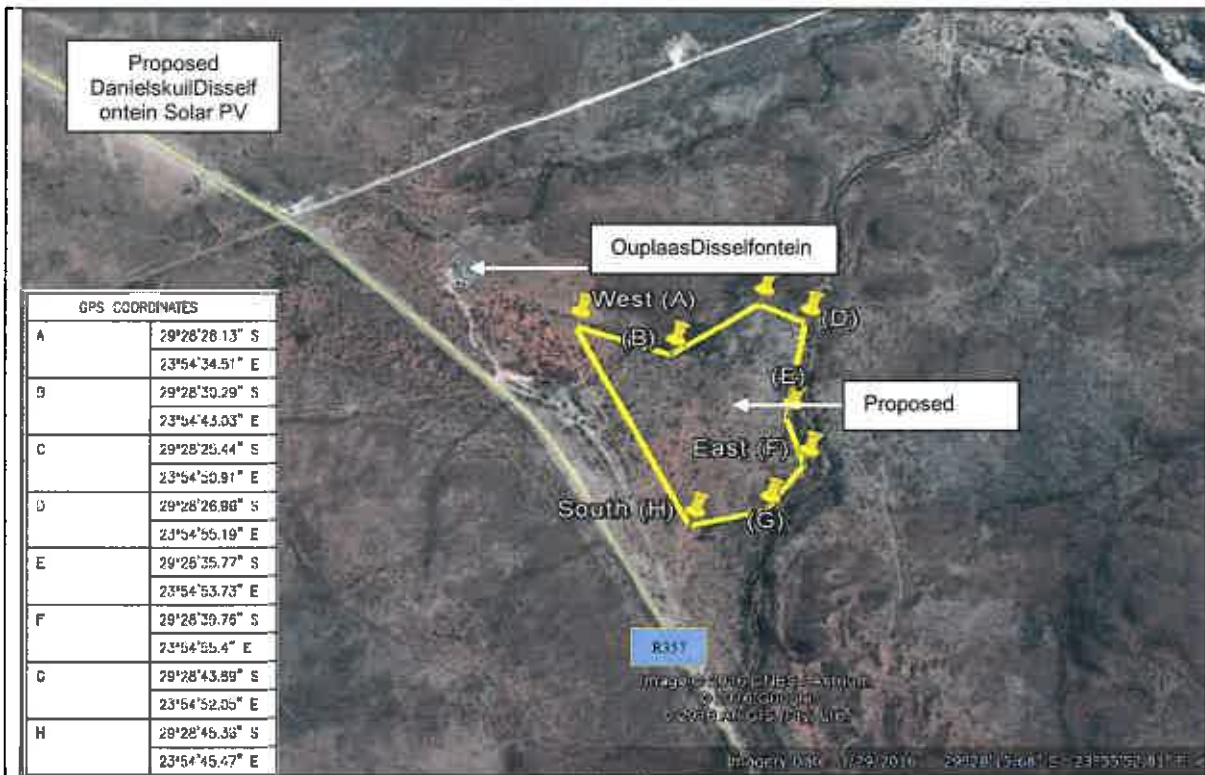


Figure 2: Position of proposed Disselfontein solar PV development

Activity Description

The proponent, Roma Energy Disselfontein (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 portion 8 of the remainder of Farm Disselfontein 77, Hope Town, Thembelihle Local Municipality, Pixley ka Seme District Municipality, 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 29°28'36.86"S, 23°54'47.44"E, 21km west of Hope Town, along the R357 road which roughly follows the Orange River (see Figure 3 - Potential cumulative impact radius for proposed solar PV development site relative to other approved renewable energy projects in the region. Proposed site is at centre of green circle as indicated on map. Although this is a reapplication, the original proposed development site which was authorised, is incorrectly indicated on the DEA renewable energy application map as farm 78. The area allocated to the development is also much larger than the 20ha applied for. Refer to DEA website at <https://dea.maps.arcgis.com/apps/webappviewer>).

After considering approximately 4470ha of the Farm Disselfontein 77, 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 Disselfontein substation to the north-west of the proposed development site, on

the same side of the R357.

The powerline feeding into Eskom's Disselfontein substation will be a three-phase powerline which will have an overhead and sub-surface component as it leads from the development site to tie-in to the sub-station. 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 site is accessible from the R357 using secondary roads, although additional access roads will need to be established. 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 temporary access roads will have to be established on site in addition to the long-term perimeter fence and main access road. The main access road will enable vehicular access to each solar panel system within the site. All roads created as part of the solar facility will be unsealed / 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 and during operation and maintenance about 2000m³ 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:	Roma Energy Disselfontein (Pty) Ltd.
Registration number (if applicant is a company):	2012/203873/07
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:		Fax: 0862676181
E-mail:	weyers@kerenenergy.com	

Provincial Authority:	Northern Cape Province: Department of Environment and Nature Conservation	
Contact person:	Ms. G. Botha	
Postal address:	Private Bag X6010, Kimberley, Northern Cape	
Postal code:	8306	Cell:
Telephone:	053 807 7300	Fax: 086 625 6470
E-mail:		

Local municipality:	Thembelihle Local Municipality	
Contact person:	Mr. M. Mogale	
Postal address:	Private Bag X3, Hope Town, Northern Cape	
Postal code:	8750	Cell:
Telephone:	053 2030 005/8	Fax: 053 2030 490
E-mail:		

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:	JD Ferreira Family Trust	
Contact person:	Mr. Christiaan Hendrik Pieter van der Post	
Postal address:	P. O. Box 6469, Bloemfontein, Northern Cape	
Postal code:	9300	Cell: 082 477 2360
Telephone:		Fax:
E-mail:	chrisvdpost193@gmail.com	

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:	National Department of Environmental Affairs
Reason(s) in terms of S24C of NEMA 1998 as amended:	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:	Enviro Africa CC			
B-BBEE	Contribution level (indicate 1 to 8 or non-compliant)	Level 4	Percentage Procurement recognition	N/A
Professional affiliation/registration:	IAIAsa (Membership Number: 219)			
Contact person:	Bernard de Witt			
Company:	Enviro Africa CC			
Physical address:	29 St. James Street, Somerset West, Western Cape, 7130			
Postal address:	P. O. Box 5367, Helderberg, Western Cape			
Postal code:	7135	Cell:		
Telephone:	021 8511616	Fax:	086 5120152	
E-mail:	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	Pixley ka Seme District Municipality
Local Municipality	Thembelihle Local Municipality
Ward number(s)	N/A
Nearest town(s)	Hope Town
Farm name(s) and number(s)	Farm Disselfontein 77
Portion number(s)	8

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	3	3	0	0	0	0	0	0	0	0	0	0	7	7	0	0	0	0	8
1	2	3	4	5																

Are there any other applications for Environmental Authorisation on the same property?	YES	NO ✓
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 983, 984 and 985	Description of project activity that triggers listed activity
<i>e.g. GN R.983 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. 983 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 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	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 electricity generation capacity) but has a nameplate capacity of 5.75MW).
GN. R. 983 Item 12 (xii)(c): The development of infrastructure or structures with a physical footprint of 100m ² or more where such development occurs in no development setback exists, within 32m of a watercourse, measured from the edge of a watercourse.	A watercourse (intermittent natural drainage line) lies to the east of the proposed site boundary - extent of banks/edge of watercourse to be verified to see.
GN. R. 983 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.
GN. R. 983 Item 32: The continuation of any development where the environmental authorisation has lapsed and where the continuation of the development, after the date the environmental authorisation has lapsed will meet the threshold of any activity or activities listed in Listing Notice 1, 2, 3 or 4 of 2014	Environmental authorisation (EA) was originally granted by the Department of Environmental Affairs (DEA) on the 5 th June 2013 but the EA expired before physical work on the project could commence. Therefore, to continue with the development, reapplication for an EA is required. Original EA Registration Number: 12/12/20/2682 and original National Environmental Authorisation System Reference Number: DEA/EIA/0000884/2012

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.

First round of public participation (PP) process:

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 Hope Town, agricultural wholesaler *en route* to site)

Deliver maildrop letters to neighbouring properties / farmers

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.

Update I&AP List.

Repeat first round PP process for all registered I&APs for the second round of PP using Final BAR (FBAR).

Await DEA EA decision.

Inform I&APs of DEA decision when received.

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.

8. OTHER AUTHORISATIONS REQUIRED

LEGISLATION	AUTHORISATION REQUIRED		APPLICATION SUBMITTED	
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 Disselsfontein

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

Reference number	1152835851
Beneficiary name	DEPARTMENT OF ENVIR
Bank name	ABSA BANK
Beneficiary account number	0000001044240072
Beneficiary branch number	63200500
Beneficiary reference	-29.476906/23.913177
Amount	R2001,00
Payment date and time	2017-03-24 08h44

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. 1962/000738/06) Authorised financial services provider and registered credit provider (NCRCP15)

Directors: TS Gcabashe (Chairman) SK Tshabalala* (Chief Executive) A Dabhnka* RMW Dunne# G Fraser-Moleketi Shu Gu##### GMB Kennealy BJ Kruger* JH Maree NNA Matyuzza KD Moroka ML Oduor-Otieno## AC Parker ANA Peterside CON### MJD Ruck PD Sullivan#### BS Tshabalala JM Vice Wenbin Wang##### EM Woods

Company Secretary: Z Stephen 21/11/2016

*Executive Director #British ##Kenyan ###Nigerian ####Australian #####Chinese

**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</p> <p>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</p> <p>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 Disselfontein (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, 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 Disselfontein (Pty) Ltd as a Preferred Bidder in respect of its 5.00 MW Disselfontein Solar Facility, located in the Northern Cape, for

A handwritten signature in black ink, appearing to be 'JF' or similar initials, located at the bottom right of the page.

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

3.2 Accordingly, the Department hereby notifies Keren Energy Disselfontein (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 Disselfontein (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 Disselfontein (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 Disselfontein (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 Disselfontein (Pty) Ltd as a Preferred Bidder, notwithstanding anything contained in the Bid Response of Keren Energy Disselfontein (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 Disselfontein (Pty) Ltd's Bid Response. In addition, Keren Energy Disselfontein (Pty) Ltd, its Members, Lenders, Contractors and any other participant in Keren Energy Disselfontein (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 Disselfontein (Pty) Ltd in its Bid Response, and shall be the basis upon which Keren Energy Disselfontein (Pty) Ltd shall finalise its Project to reach Financial Close. In particular, please note that the schedules to the PPA submitted by Keren Energy Disselfontein (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 Disselfontein (Pty) Ltd in its Bid Response;
- 3.5.3 the Department's right to call on Keren Energy Disselfontein (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 Disselfontein (Pty) Ltd's Preferred Bidder Guarantee in the event that Keren Energy Disselfontein (Pty) Ltd fails to reach Financial Close within the time period specified;
- 3.5.4 Keren Energy Disselfontein (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 Disselfontein (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 Disselfontein (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 Disselfontein (Pty) Ltd's Preferred Bidder Guarantee;
- 3.5.10 Keren Energy Disselfontein (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 Disselfontein (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

Disselfontein (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 Disselfontein (Pty) Ltd, and the appointment of Keren Energy Disselfontein (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 Disselfontein (Pty) Ltd as a Preferred Bidder is also subject to Keren Energy Disselfontein (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 Disselfontein (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 Disselfontein (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 Disselfontein (Pty) Ltd's status as a Preferred Bidder if Keren Energy Disselfontein (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 Disselfontein (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



Disselfontein (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 Disselfontein (Pty) Ltd to continue in the Small Projects IPP Procurement Programme as a Preferred Bidder, Keren Energy Disselfontein (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 Disselfontein (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 Disselfontein (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 Disselfontein (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 Disselfontein (Pty) Ltd, as contemplated in clause 3.3 above. Should Keren Energy Disselfontein (Pty) Ltd fail to act in accordance with this clause 5, the Department reserves the right to terminate the appointment of Keren Energy Disselfontein (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 Disselfontein (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 Disselfontein (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 Disselfontein (Pty) Ltd, as contemplated in clause 3.3 above. Keren Energy Disselfontein (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 Disselfontein (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.

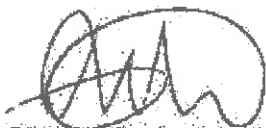
8.2 As indicated in paragraph 19.3 of Part A of the RFP, Keren Energy Disselfontein (Pty) Ltd is not permitted to change any aspect of its Bid Response without the prior written approval of the Department.

9. We look forward to the successful conclusion of your Project and to those interactions with Keren Energy Disselfontein (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.



10. Please confirm the appointment of Keren Energy Disselfontein (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: 08/12/16



Keren Energy Disselfontein (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 authorized
representative of Keren Energy
Disselfontein (Pty) Ltd

17/01/2017
Date

Fritz Eksteen

Name

DIRECTOR

Designation

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 Disselfontein (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_006
Solar Photovoltaic
Second Stage Two Bid Submission date

Yours faithfully,

Signed:  _____

Name: FRETZ EKSTEEN.

For and on behalf of Keren Energy Disselfontein (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.



PUBLIC PARTICIPATION PROCESS

Newspaper Advert
Placed:

1 March 2017

Disselfontein Solar PV Facility

Original DEA EIA Ref: 12/12/20/2682;
Original DEA NEAS Ref: 0000884/2012;
New application number to be provided

No.	Title	Initials/Name	Surname	Affiliation	Postal Address	Town/City	Code	Telephone	Fax	E-mail
1. Applicant										
1.1	Mr	CW	Janse v Rensburg	Keren Energy Disselfontein (Pty) Ltd	PO Box 73	Somerset West	7137	021 853 0269	021 853 0269	wevers@kerenenergy.com
2. Property / Land Owners:										
2.1	Mr	JD	Ferreira	JD Ferreira Family Trust	PO Box 6469	Bloemfontein	9300			
3. Occupiers										
3.1		n/a		n/a	n/a	n/a				n/a
4. Municipality										
4.1	Mr	M	Mogale	Thembelhe Local Municipality	Private Bag X3	Hopetown	8750	053 2030 005/8	053 2030 490	
4.2	Mr	R. E.	Pienze	Phaley Ka Same District Municipality	Private Bag X1012	De Aar	7100			
5. Municipal Ward Councilors										
5.1	Mr	D.A	Jonas	Thembelhe Local Municipality	Private Bag X3	Hopetown	8750	053 2030 005/8	053 2030 490	djonas@thembelhemunicipality.gov.za
6. State Organisations:										
6.1	Ms	G	Botha	Dept. Environmental and Nature Conservation NC	Private Bag X6010	Kimberley	8306	053 807 7300		
6.2		W	Modibi	Agriculture, Land Reform and Rural Development	162 George Street	Kimberley	8300	053 838 9100	053 832 4328	
6.3	Mr	Mashudu	Ranwedzi	Dept. of Water Affairs - Northern Cape	Private Bag x6101	Kimberley	8300		053 831 4534	
6.4		Glen	Stenekamp	Department of Water Affairs	28 Central Road, Beaconfield	Kimberley	8300	(053) 836 7600 ext	053 842 3258	
6.5	Mr	Francois	Retief	Eskom North West Region	120 Henry Street, Westdene	Bloemfontein	9301	051 404 2501		
6.6	Mr	Kevin	Lesak	Eskom	Po Box 1091	Johannesburg	2001	072-888-9209		
6.7		Sehabaiso	Mehaphi	Department of Energy	Private Bag x6093	Kimberley	8300	053 836 4000	086 562 7065	
6.8	Ms	G	Botha	Co-operative Governances, Human Settlements and Traditional Affairs	Private Bag X5005	Kimberley	8300	053 830 9422	053 831 4308	
6.9	Ms	Lizell	Stroh	South African Civilian Aviation Authority	Private Bag 273	Halfway House	1685	011 545 1232	011 545 1461	stroh@caa.co.za
6.10	Ms	E	Botes	Social Development	Private Bag X5042	Kimberley	8300	053 874 9100	053 871 1062	
6.11	Mr	Kevin	Nogwill	Dept. of Transport, Roads & Public Works	PO Box 3132	Kimberley	8301	053 839 2100	053 839 2291	
6.12		Thobela Dikeni	Dikeni	Northern Cape Economic Development, Trade and Investment Promotion Agency (NCEDA)	2nd Floor, Templar Court Building, Bean Street	Kimberley	8301	053 833 1503	053 833 1390	
6.13	Mrs	H	Sanson	NC - Economic Development and Tourism	Private Bag x6108	Kimberley	8300	053 839 4000	053 832 6805	
6.14	Ms	Anneliza	Collett	Department of Agriculture, Forestry and Fisheries	Private bag x120	Pretoria	0001	012 3197508	012 329 5988	AnnelizaC@nda.agric.za
6.15	Mr	J	Mans	Dept. of Agriculture, Forestry and Fisheries	PO Box 2782	Upington	9800	054 398566	054 3940090	jacolineMa@daff.gov.za
6.16		Colene	Runsel	SANRAL	P/Bag X 19	Bellville	7535			
6.17	Mr	Lizell	Wolfe	Department: Transport, Safety and Liaison	Private Bag X1366, Southey Chambers, Southey Street,	Kimberley	8300	053 839 1700	053 839 1773	
6.18	The	Director-	General	Department of Environmental Affairs (National)	Private bag x 447	Pretoria	0001	086 111 2468 /012 399 9008	012 359 3625	callcentre@environment.gov.za
7. Neighbours										
7.1		The Director		SKA Africa	3rd Floor, The Park, Park Road,	Pretoria		021 506 7300	021 506 7375	
8. Other										
8.1	Ms	Cesilia	Victor	Northern Cape Express				054 331 3462	086 271 3300	cesilivictor@volksblad.com

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

**There is only one Land Owner i.e. JD Ferreira Family Trust, involved in this application.
Written consent of land owner's form attached as per page 19-A to 19-D, 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 DISSELFONTEIN (PTY) LTD ON THE PROPERTY DESCRIBED AS PORTION 8 OF THE FARM DISSELFONTEIN NO. 77 IN EXTENT 1221,2748 HECTARES, SITUATED IN THE THEMBELIHE MUNICIPAL JURISDICTION (NC076), REGISTRATION DIVISION OF HOPETOWN, NORTHERN CAPE PROVINCE, HELD BY VIRTUE OF DEED OF TRANSFER T63877/2013 CO-ORDINATES IN THE CENTRE OF THE AREA BELOW.

This serves to confirm that I, Christiaan Hendrik Pieter Van der Post, ID: 8107025064085 acting for and on behalf of JD FERREIRA FAMILIE TRUST 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 ROMA ENERGY MOUNT ROPER (PTY) LTD ON THE PROPERTY DESCRIBED AS PORTION 8 OF THE FARM DISSELFONTEIN NO. 77 IN EXTENT 1221,2748 HECTARES, SITUATED IN THE THEMBELIHE MUNICIPAL JURISDICTION (NC076), REGISTRATION DIVISION OF HOPETOWN, NORTHERN CAPE PROVINCE, HELD BY VIRTUE OF DEED OF TRANSFER T63877/2013 CO-ORDINATES IN THE CENTRE OF THE AREA BELOW.

Co-ordinates of the property: 29°28'28.13"S AND 23°54'34.51"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: DISSELFONTEIN

Registered name and number of the property: PORTION 8 OF THE FARM DISSELFONTEIN NO. 77,

Owner's Address: Reynekespan, Hopetown

Owner's telephone No: 082 4772360

Owner's e-mail address: chrisvdpost193@gmail.com

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

ADDENDUM

MEMORANDUM OF AN AGREEMENT MADE AND ENTERED INTO BY AND BETWEEN

JD FERREIRA FAMILIE TRUST IT 352/2000

Herein represented by Mr. Christiaan Hendrik Pieter Van der Post
(Hereinafter referred to as the "Lessor")

AND

KEREN ENERGY DISSELFONTEIN (PTY) LTD

Registration Number: 2012/203873/07

duly registered in terms of the laws of the Republic of South Africa
Herein represented by Riaan Retief Janse van Rensburg, duly authorised thereto
(Hereinafter referred to as the "Lessee")

WHEREAS the Parties to this agreement entered into a Lease Agreement on the 31st of March 2012, in respect to the property known as Remainder of the Farm Disselfontein No. 77, hereafter referred to as the Lease Agreement; and

AND WHEREAS the Lessor has subdivided and consolidated certain portions of the Farm Disselfontein No. 77 which is the subject matter of the Lease Agreement and, as a result of the subdivisions and consolidations have an effect on the Lease Agreement entered into by and between the abovementioned parties;

AND WHEREAS the parties to this agreement wish to rectify and to identify the leased areas:

NOW THEREFORE IT IS AGREED AS FOLLOWS:

1. The original leased property being the subject of the Lease Agreement is Remainder of the Farm Disselfontein No. 77 in extent 1340,2488 hectares, situated in the Thembellhe Municipal jurisdiction (NC076), Registration Division of Hopetown, Northern Cape Province, held by virtue of Deed of Transfer T18762/2002;
2. The Parties wish to confirm that the area of the abovementioned property was incorrectly indicated in the Lease Agreement as 945,1373 hectares instead of 1340,2488;
3. The Parties therefore wish to record and agree as follows:



3.1 The Parties hereto agree to amend all the definitions as referred to in **Clause a)** on page 1 on the ORIGINAL Lease Agreement and Clause 2.1.38 of the Lease Agreement to read as follows:

"Remainder of the Farm Disselfontein No. 77 in extent 1340,2488 hectares, in the Thembelihle Municipality (NC076), Registration Division Hopetown, Northern Cape Province, held by virtue of Deed of Transfer T18762/2002."

4. The Parties further wish to record that the subdivisions as described above was registered in November 2013 and that a new title deed was issued in respect to the Leased Property, referred to in clause 1 above.

5. The Parties further agree that the Lease Agreement entered into on the 31st of March 2012 be amended as follows:

5.1 That the description of the Leased Property on Page 1 of the Lease Agreement be amended as Portion 8 of the Farm Disselfontein No. 77 in extent 1221,2748 hectares, situated in the Thembelihle Municipal jurisdiction (NC076), Registration Division of Hopetown, Northern Cape Province, held by virtue of Deed of Transfer T63877/2013;

5.2 That the description of the Leased Property in clause 2.1.38 of the Lease Agreement also be amended as Portion 8 of the Farm Disselfontein No. 77 in extent 1221,2748 hectares, situated in the Thembelihle Municipal jurisdiction (NC076), Registration Division of Hopetown, Northern Cape Province, held by virtue of Deed of Transfer T63877/2013 and the new S.G Diagram No, 531/200 which indicate the new Portion 8 of the Farm Disselfontein No. 77.

6. The Parties acknowledge that the area on which the Keren Energy Disselfontein Project will be operating is still the exact same area with the same co-ordinates as was indicated in the Final Bar of the Basic Assessment Report as well as exact same area with the same co-ordinates which was indicated in the Rezoning application.



THUS DONE SIGNED and DATED on this 12th day of March 2015.

AS WITNESSES:-

1. Henkewer
2. [Signature]

[Signature]
C.H.P van der Post
Duly authorised by the Lessor

THUS DONE SIGNED and DATED on this 16th day of March 2015.

AS WITNESSES:-

1. Aboulscher
2. [Signature]

[Signature]
Riaan Janse van Rensburg
Duly authorised on behalf of Keren Energy
Disselfontein (Pty) Ltd - Lessee

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 21-B, indicate that there are no sensitive areas overlain by the proposed project site.

Appendix 6: Project Maps





**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:

Keren Energy DISSELFONTEIN (Pty) Ltd.

No.	Action	Target Date	Progress
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 voluntary* Draft BAR (DBAR) using original specialist assessments and environmental authorisation (EA) reference numbers	20 February - 03 March	
4	Site visit for reassessment	07 March	
5	Voluntary* first round of public participation (PP) with issuing of DBAR: <ul style="list-style-type: none"> - Place advertisement in local newspapers - 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 DBAR in public facilities (Municipality, Idwala Mine, large retail shops) - Display A3 posters at informal settlement entrances / local spaza shops - Deliver maildrop letters to neighbouring properties / spaza shops - DBAR and all associated documents on Enviro Africa website for public viewing / comment 	01 March 06 March 06 March 07 March 07 March 07 March 07 March 20 March	
6	Specialist re-assessment revisions / addendums due	17 March	
7	Compile of updated I&AP list and PP response communications	10 March - 10 April	
8	Start compiling Final BAR (FBAR) and environmental management programme (EMPr)	13 March – 14 April	
9	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)	17 March – 24 March	
10	Courier EA application form to DEA (~ day 1 of 90)	27 March	
11	Post copies of EA application form to other Government departments	28 March	
12	Compile / finalise FBAR with EMPr using revised/updated specialist assessments and environmental authorisation (EA) reference numbers	28 March -	
13	First round of PP with DBAR ends	10 April	
14	Receive project reference number from DEA	12 April	
15	Second round of PP with issue of FBAR to registered I&APs starts	21 April	
16	Second round of PP ends (~ day 60 of 90)	26 May	
17	Communication with DEA re. PP comments and FBAR issue	31 May	
18	Await DEA EA decision (~ day 66 of 90)	01 June	
19	Inform I&APs of DEA decision		

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

* 'voluntary' based on 2016 meeting with DEA – due to re-application for expired EA, DEA initially only required a Final BAR and one round of PP.

Task	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 EIA and Specialist reports																											
EIA and specialist studies underway																											
EIA ROD received																											
First stage Bid preparation																											
First Stage SS Bid window																											
Second Stage SS Bid Preparation																											
Second Stage SS Bid Window																											
Second Stage SS Bid Window working on improving local content																											
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 - PD to list delivery																											
Move on																											
Site Prep																											
Structural Installation																											
Electrical Installation - underground																											
Electrical Installation- above ground																											
Module installation																											
Connection works - grid on																											
Interconnection availability data (IAD)																											
Pre-functional checks																											
Commission																											
Performance testing																											
Target Substantial Completion																											
Final Commissioning																											
Commercial Operation Date (COD) 30-Nov-18																											

**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:

27 MARCH 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 AFRICA C C

Name of company

27 MARCH 2017

Date



Signature of the commissioner of oaths

2017/03/27

Date

COMMISSIONER OF OATHS
JACQUES ENGELBRECHT
Professional Accountant (S.A.)
P.O. Box 12347, Die Boord, 7613
021 851 0700