



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

APPLICATION FORM FOR ENVIRONMENTAL AUTHORISATION

| | (For official use only) |
|------------------------|-------------------------|
| File Reference Number: | |
| 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

Kloofsig 1: 75 MW Solar PV Energy Facility, Northern Cape

Kindly note that:

1. This application form is current as of 08 December 2014. 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. Should it be done in respect of material information required by the competent authority for assessing the application, it may result in the rejection of the application as provided for in the Regulations.
5. This application must be handed in at the offices of the relevant competent authority as determined by the Act and Regulations.
6. No faxed or e-mailed applications will be accepted. An electronic copy 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 will become public information on receipt by the competent authority. Any interested and affected party should and shall be provided with the information contained in this application on request, during any stage of the application process.
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:

Tel: 012 399 9372

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 | N/A |
| The applicant is an organ of state | N/A |

| 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 | R10 000 |

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

| |
|---|
| <p>Payment Enquiries: Tel: 012 399 9119 Email: eiafee@environment.gov.za</p> <p>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</p> <p>Proof of payment must accompany the application form: Indicate reference number below.</p> <p>Tax exemption status: Status: Tax exempted</p> <p>Reference number: -30.010795/24.553544</p> |
|---|

2. PROJECT DESCRIPTION

Please provide a **detailed** description of the project.

The proposed development consists of three project phases of 75 MW each (with a total power generation capacity of approximately 225 MW should all phases be developed), each including a small on-site substation (converting 33 kV to 132 kV power), and covering a combined area of approximately 950 ha.

This application ('Kloofsig 1') is for the first of these three phases and includes a 132 kV overhead powerline (approximately 8.5 km) and a substation to allow connection to the existing 132 kV powerline running to the south-east of the site. An additional on-site substation (converting 132 kV to 400 kV power) and short connection line to the existing 400 kV powerline crossing the site is also proposed. The total footprint of Kloofsig 1 is in the order of 250 ha.

Access to the site from the R 369, between van der Kloof and Orania, is via the existing Kalkpoort gravel road to the northeast of the site. The Kalkpoort gravel road will require maintenance (e.g. re-gravelling, and refurbishment of culverts) and expansion (both in length and width) to extend the road to the southern side of phase 1. A second access road (approximately 500 m long) to the south of the site, connecting to the existing secondary road running south of the site is also proposed. A network of internal roads (i.e. on the farm) would be required. Internal roads are envisaged to be 4- 5 m in width.

It is proposed that the water requirements for the development are supplied by existing or new boreholes on the property. Minor quantities of domestic sewage would be generated during the construction & operational phases and it is proposed that these would be discharged to a septic tank & soak away system.

| | | |
|--|-----|--|
| Does the project form part of any of the Strategic Infrastructure Projects (SIPs) as described in the National Development Plan, 2011? | YES | |
|--|-----|--|

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**

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 | <input checked="" type="checkbox"/> | Greenfield transformation to urban or industrial form (including mining) | |
| Infrastructure – electricity (generation, transmission & distribution) | <input checked="" type="checkbox"/> | Biodiversity or sensitive area related activities | |
| Oil and gas | <input type="checkbox"/> | Mining value chain | |
| Biofuels | <input type="checkbox"/> | Potential of metal fabrication capital & transport equipment – arising from large public investments | |
| Nuclear | <input type="checkbox"/> | Boat building | |
| Basic services (local government) – electricity and electrification | <input type="checkbox"/> | Manufacturing – automotive products and components, and medium and heavy commercial vehicles | |
| Basic services (local government) – area lighting | <input type="checkbox"/> | Manufacturing – plastics, pharmaceuticals and chemicals | |
| Infrastructure – transport (ports, rail and road) | <input type="checkbox"/> | 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. | | 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: | | |
| N/A | | |

3. GENERAL INFORMATION

| | | | |
|--|---|-------|--------------|
| Applicant name: | Kloofsig Solar (Pty) Ltd | | |
| Registration number (if applicant is a company) | 2014/169867/07 | | |
| Trading name (if any) | Kloofsig Solar (Pty) Ltd | | |
| Responsible person name (If the applicant is a company): | Mr John McGillivray | | |
| Applicant/ Responsible person ID number: | 7012235243084 | | |
| Responsible position, e.g. Director, CEO, etc.: | Director | | |
| Physical address: | AfriCoast Building 14 Rose Street Central Port Elizabeth 6001 | | |
| Postal address: | PO Box 5104 Walmer Port Elizabeth | | |
| Postal code: | 6065 | Cell: | 071 387 1008 |

| | | | |
|------------|--------------------|--------------|--------------|
| Telephone: | 041 505 8099 | Fax: | 041 585 3437 |
| E-mail: | john@africoast.com | BBBEE status | Unavailable |

| | | | |
|-----------------------|--|-------|---------------|
| Provincial Authority: | Department of Environmental Affairs and Nature Conservation (DENC) | | |
| Contact person: | Mr Denver van Heerden (Head of Department) | | |
| Postal address: | Private Bag X6010 Kimberley | | |
| Postal code: | 8300 | Cell: | Not available |
| Telephone: | 053 807 7306 | Fax: | 086 625 6470 |
| E-mail: | bbotes@ncpg.gov.za | | |

| | | | |
|---------------------|--|-------|---------------|
| Local municipality: | Renosterberg | | |
| Contact person: | Mr Veli Goodman | | |
| Postal address: | PO Box 112 Petrusville | | |
| Postal code: | 8770 | Cell: | Not available |
| Telephone: | 053 663 0041 | Fax: | 053 663 0180 |
| E-mail: | veligoodman@gmail.com | | |

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: | Havenga Familie Trust | | |
| Contact person: | Christopher David Havenga | | |
| Postal address: | PO Box 8 Petrusville | | |
| Postal code: | 8770 | Cell: | 082 821 1527 |
| Telephone: | Unavailable | Fax: | Unavailable |
| E-mail: | christopher@cdhcattle.co.za | | |

In instances where there is more than one landowner, please attach a list of those landowners with their contact details as **Appendix 4**. If the applicant is not the owner or person in control of the land, proof of notice to the landowner or person in control of the land on which the activity is to be undertaken must be submitted in **Appendix 4**.

| | |
|---|---|
| Identified Competent Authority to consider the application: | National Department of Environmental Affairs (DEA) |
| Reason(s) in terms of S 24C of NEMA 1998 as amended | According to the EIA Guideline for Renewable Energy Projects (2015), the competent authority (CA) in respect of renewable energy projects and its related activities is the national DEA, and the provincial authority is the commenting authorities. □ |

4. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

| | | | |
|---|--|-------|--------------|
| EAP: | Nicola Rump | | |
| Professional affiliation/registration: | CEAPSA | | |
| Contact person (if different from EAP): | N/A | | |
| Company: | SRK Consulting (Port Elizabeth) | | |
| Physical address: | Groundfloor, Bay Suites, 1a Humewood Rd, Humeral, Port Elizabeth, 6001 | | |
| Postal address: | P.O.Box 21842, Port Elizabeth | | |
| Postal code: | 6000 | Cell: | 082 425 2751 |

| | | | |
|------------|-----------------|------|--------------|
| Telephone: | 041 508 4900 | Fax: | 041 509 4850 |
| E-mail: | nrump@srk.co.za | | |

If an EAP has not been appointed please ensure that an independent EAP is appointed as stipulated by Regulation 12 of GN R.982, dated December 2014, prior to the commencement of the process. The declaration of independence and the Curriculum Vitae (indicating the experience with environmental impact assessment and the relevant application processes) of the EAP must also be submitted to the Department.

5. SITE DESCRIPTION

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

| | |
|----------------------------|--|
| Province | Northern Cape |
| District Municipality | Pixley ka Seme |
| Local Municipality | Renosterberg |
| Ward number(s) | 4 |
| Nearest town(s) | Petrusville, Van der Kloof, Orania and Hopetown |
| Farm name(s) and number(s) | 1. Portion 0 (Remaining Extent) of Farm 18, Kalkpoort; 2. Portion 0 (Remaining Extent) of Farm 20, Alwyn Vlake; and 3. Portion 2 of Farm 59, Doornfontein. |
| Portion number(s) | 1. 0/18 2. 0/20 3. 2/59 |

SG 21 Digit Code(s)

(If there are more than 4, please attach a list with the rest of the codes as **Appendix 5**)

| | | | | | | | | | | | | | | | | | | | | |
|----------|----------|---|---|----------|---|---|----------|---|---|---|---|----------|---|---|---|---|---|---|---|---|
| C | 0 | 5 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 0 | 0 | 0 | 0 | 0 |
| C | 0 | 5 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| C | 0 | 5 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 9 | 0 | 0 | 0 | 0 | 2 |
| 1 | 2 | | | 3 | | | 4 | | | | | 5 | | | | | | | | |

| | | | |
|--|---|-----|--|
| Are there any other applications for Environmental Authorisation on the same property? | | YES | |
| If YES, please indicate the following: | | | |
| Competent Authority | Department of Environmental Affairs (DEA) | | |
| Reference Number | Not available as yet | | |
| Project Name | Kloofsig 2: 75 MW Solar PV Energy Facility, Northern Cape; and Kloofsig 3: 75 MW Solar PV Energy Facility, Northern Cape | | |
| Please provide details of the steps taken to ascertain this information: Confirmation by landowner. | | | |

4. 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 |

| | |
|--|---|
| GN R.984 Activity 1: The development of facilities or infrastructure for the generation of electricity from a renewable resource where the electricity output is 20 megawatts or more. | A solar photovoltaic (PV) energy generation facility of 75 MW is proposed. |
| GN R.983 Activity 11 (i): the development of facilities or infrastructure for the transmission and distribution of electricity –Outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts. | The development includes a 132 kV powerline from the property boundary to a 132 kV existing Eskom powerline located approximately 4 km to the east of the site. A substation adjacent to the powerline connection point is also proposed. An on-site substation (converting 132 kV to 400 kV power) and short connection line to the existing 400 kV powerline crossing the site is also proposed. |
| GN R.983 Item 28 (ii):industrial developments where such land was used for agriculture on or after 1 April 1998 and where such development will occur outside an urban area, where the total land to be developed is bigger than 1 hectare. | The site is currently agricultural and it is envisaged that a special consent to enable the use for power generation would be obtained from the municipality. This change in land use may trigger this listed activity as the development area is approximately 250 ha. |
| GN R.984 Item 15: The clearance of an area of 20 hectares or more of indigenous vegetation. | Kloofsig 1 will result in the clearing (partially or wholly) of approximately 250 hectares of indigenous vegetation to accommodate project infrastructure. |
| GN R.983 Item 24: the development of – (ii) a road with a reserve wider than 13.5 m, or where no reserve exists, where the road is wider than 8 m. | The site access roads proposed will exceed 8 m in width. |
| GN R.983 Item 56: the widening of a road by more than 6 m, or the lengthening of a road by more than 1 km - (ii) where no reserve exists, where the existing road is wider than 8 m. | The site access roads proposed will entail lengthening and widening of existing roads by more than the specified thresholds. |

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**.

5. 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.

| |
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| <p>The following steps were conducted for public participation thus far:</p> <ul style="list-style-type: none"> • Development of a register of Interested and Affected Parties (IAPs); • Written notification to adjacent landowners, ward councillor, the district municipality, the local |
|---|

municipality, the Department of Environmental Affairs, the South African Heritage Resources Agency, the Department of Water Affairs, the Department of Agriculture, Forestry & Fisheries, Department of Environment and Nature Conservation - Northern Cape, Northern Cape Department of Agriculture & Land Reform;

- Placement of two onsite notices informing the public of the process and encouraging registration and comment;
- The distribution of Background Information Documents to key stakeholders and identified IAPs;
- Providing an initial 30 days commenting period on the BID.

The following steps are proposed for public participation:

- Publishing a notice regarding the proposed project in a local newspaper informing the public of the process and encouraging registration and comment;
- Maintenance of the register of Interested and Affected Parties (IAPs);
- Incorporate comments received on the BID into a Draft Scoping Report (DSR);
- Distribute the Draft Scoping Report (DSR) for comment by IAPs, stakeholders, relevant authorities and the competent authority (DEA);
- Prepare an Executive Summary and distribute to all registered IAPs and stakeholders;
- Provide a 30 day comment period on the DSR and Plan of Study for EIA;
- Collate comments received from IAPs and stakeholders and co-ordinate responses from the project team, and integrate these into a Final Scoping Report;
- Prepare the Final Scoping Report and Plan of Study for EIA based on comments received and submit to DEA for approval;
- Notify IAPs of submission of FSR and next steps in the EIA process;
- Assessment of identified environmental impacts according to systematic assessment criteria, and based on the findings of the specialist studies;
- Prepare a Draft Environmental Impact Report (EIR), including a Draft Environmental Management Programme (EMPr) and make available for public & stakeholder comment;
- Prepare an Executive Summary of the Draft EIR & EMPr and distribute to all registered IAPs and stakeholders;
- Provide a 30 day comment period on the Draft EIR & Draft EMPr;
- Collate comments received from IAPs and Stakeholders and co-ordinate responses from the project team, and integrate these into a Final EIR and Draft EMPr;
- Prepare a Final EIR, including Comments & Responses and a Draft EMPr, and submit to DEA for a decision;
- Prepare an Executive Summary of the Final EIR & Draft EMPr and distribute to all registered IAPs and stakeholders; and
- Communicate Record of Decision to IAPs (via notification and newspaper advert).

6. OTHER AUTHORISATIONS REQUIRED

| LEGISLATION | AUTHORISATION REQUIRED | APPLICATION SUBMITTED |
|--|------------------------|-----------------------|
| SEMA's | | |
| National Environmental Management: Air Quality Act | NO | YES NO |
| National Environmental Management: Biodiversity Act | NO | YES NO |
| National Environmental Management: Integrated Coastal Management Act | NO | YES NO |
| National Environmental Management: Protected Areas Act | NO | YES NO |
| National Environmental Management: Waste Act | NO | YES NO |
| National legislation | | |
| Mineral Petroleum Development Resources Act | NO | YES NO |
| National Water Act | NO | YES NO |
| National Heritage Resources Act | NO | YES NO |

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|------------------------|--|----|-----|----|
| Others: Please specify | | 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**.

7. LIST OF APPENDICES

| | | SUBMITTED | |
|------------|--|------------------|-----|
| Appendix 1 | Proof of Payment | YES | |
| Appendix 2 | Strategic Infrastructure Projects | YES | |
| Appendix 3 | List of Local Municipalities (with contact details) | | N/A |
| Appendix 4 | List of land owners (with contact details) and proof of notification of land owners. | YES | |
| Appendix 5 | List of SGIDs | | N/A |
| Appendix 6 | Project map | YES | |
| Appendix 7 | Project schedule | YES | |
| Appendix 8 | Declaration of Applicant | YES | |
| Appendix 9 | Declaration of EAP | YES | |

APPENDIX 1
PROOF OF PAYMENT/ MOTIVATION FOR EXCLUSION

Standard Bank of South Africa

The Standard Bank of South Africa Limited Registered Bank Reg. No. 1962/000738/06

ComputerGeneratedCopy

Kloofsig I

CUSTOMER ALL PAYMENTS FINAL AUDIT REPORT

| | | | |
|--------------------------------|------------------|---------------------------|------------------------------|
| Customer No | 961138221 | User Name | AFRICOAST INVESTMENTS |
| User ID | QAH85 | Reference | 2016207001 |
| Sub Module | SSVS | Action date | 20160725 |
| Description | TEWA POWER | | |
| Finalreleasingoperators | YGJ84 V DA SILVA | | |
| Sub-batch | 001 | From Account no | 0000061313637 |
| Trans No | 1 | Statement Ref | 30.010795/24.553544 |
| Acc No / CDL | 1044240072 | Account Name | DEA - KLOOFSIG |
| Branch No | 632005 | Creditor Code | DEA01 |
| | | Amount | 10,000.00 |
| | | RTGS/RTC | 0 |
| | | Status Description | FINAL AUDIT TO BE DOWNLOADED |
| | | From Account Name | TEWA POWER PTY LTD |
| | | Pav. Alert | N |

Totals for Sub Batch 001

| | | | |
|------------------------|-----------|--------|------|
| Total amount processed | 10,000.00 | Amount | 0.00 |
| Total amount rejected | 0.00 | Amount | 0.00 |
| Total Sub Batch amount | 10,000.00 | Amount | 0.00 |
| Total RTGS Processed | 0 | Amount | 0.00 |
| Total RTC Processed | 0 | Amount | 0.00 |
| Total RTGS Rejected | 0 | | |
| Total RTC Rejected | 0 | | |

**APPENDIX 2
STRATEGIC INFRASTRUCTURE PROJECTS**

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|---|--|
| <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> | |

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| <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: 75MW</i></p> | X |
| <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: 75 MW</i></p> | X |
| <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.</p> | |

| | |
|--|--|
| <p>The school roll-out focus is initially on the 125 Dinaledi (science and maths-focussed) schools and 1525 district schools. Part of digital access to all South Africans includes TV migration nationally from analogue to digital broadcasting.</p> | |
| <p>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.</p> | |
| <p>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.</p> | |
| <p>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.</p> | |

APPENDIX 3 (IF APPLICABLE)
LIST OF LOCAL MUNICIPALITIES
N/A

**APPENDIX 4
LIST OF LAND OWNERS
PROOF OF NOTIFICATION OF LAND OWNERS**

| | | | |
|-----------------|---------------------------|-------|--------------|
| Landowner: | Spies Hough Trust | | |
| Contact person: | Dr BC Spies | | |
| Postal address: | PO Box 123 Petrusville | | |
| Postal code: | 8770 | Cell: | 082 800 4686 |
| Telephone: | Unavailable | Fax: | Unavailable |
| E-mail: | benzhan@telkomsa.net | | |

**REGISTERED LETTER
GEREGISTREERDE BRIEF**



Post Office

(with an insurance option/met 'n versekeringsopsie)

Full tracking and tracing/Volledige volg en spoor

Addressed to/Geadresseer aan

Dr BC Spies
Olenberg
PO Box 123
Petrusville

8770 Postcode
Postkode

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

486618 BID
Die waarde van die inhoud van hierdie brief is soos aangedui en vergoeding sal nie betaal word vir 'n brief wat sonder voorbehoud ontvang word nie. Vergoeding is beperk tot R100.00. Geen vergoeding is sonder dokumentêre bewys betaalbaar nie. Opsionele versekering tot R2 000.00 is beskikbaar en is slegs op binnelandse geregistreerde briewe van toepassing.

Postage paid R _____ c
Service fee/Diensgeld R _____ c
Insurance/Versekering R _____ c
Total/Totaal R _____ c

Insured value of contents
Versekerde waarde van inhoud R _____ c

Enquiries/Navrae
Toll-free number
Tolvry nommer
0800 111 502

Initial of
accepting
officer
3
Date stamp
2016-02-04

701281

REGISTERED LETTER
(with a domestic insurance option)
ShareCall 0860 111 502 www.sapo.co.za
RC 040 539 411 ZA

CUSTOMER COPY 301028R
Toll-vry Volg-en-Spoor-
klëntafskrif

Paraaf van
aaneem-
beampte

Datumstempel





Ground Floor, 807 Suidas
1a Huntwood Rd.
Mummers
P.O. Elizabeth, 6051
P.O. Box 21842
P.O. Elizabeth 6000
South Africa
T: +27 (0) 41 500 4800
F: +27 (0) 41 500 4800
E: participation@srk.co.za
www.srk.co.za



REGISTRATION & COMMENT SHEET
ENVIRONMENTAL IMPACT ASSESSMENT PROCESS FOR THE PROPOSED 225 MW
KLOOFSIG SOLAR PV ENERGY FACILITY, NORTHERN CAPE

Attention: **Wanda Marais**

Fax no: 041 500 4850
Email: wmarais@srk.co.za

I wish to register as an Interested and Affected Party and/or bring to the attention of SRK Consulting the following comments:

| | |
|---|--|
| Contact information: | |
| Title: <i>DR</i> | Name: <i>B.C. Speers</i> |
| Organisation: | Nature of Interest: <i>Neighbouring Farm</i> |
| Postal Address: <i>PO Box 123 Petrusville 8770</i> | Telephone Number: <i>---</i> |
| | Facsimile Number: <i>0825152744</i> |
| | Mobile Number: <i>0828000686</i> |
| | Email: <i>bc.speers@1cloud.com</i> |

* The NEMA EIA Regulations (2010) require that all SAF structures are direct business, financial persons or other interest in the approval or refusal of the application.
** Detailed manner of communication. The absence of email / telephone numbers may result in a delay in receipt of SAF notifications. Please write clearly.

Comments (please use additional sheets of paper if required):

| | | | |
|--|---|----------------------------------|----------------------------------|
| Phase to which comment or interest relates to (please tick applicable phase(s)) | <input checked="" type="checkbox"/> Phase 1 | <input type="checkbox"/> Phase 2 | <input type="checkbox"/> Phase 3 |
| <i>ACCORDING TO MAP THE PROPOSED 132KV CONNECTION WILL BE TRAVERSING MY FARM. I AM, HOWEVER, IN FAVOUR OF THE PROJECT.</i> | | | |
| | | | |
| | | | |
| | | | |
| | | | |
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| | | | |

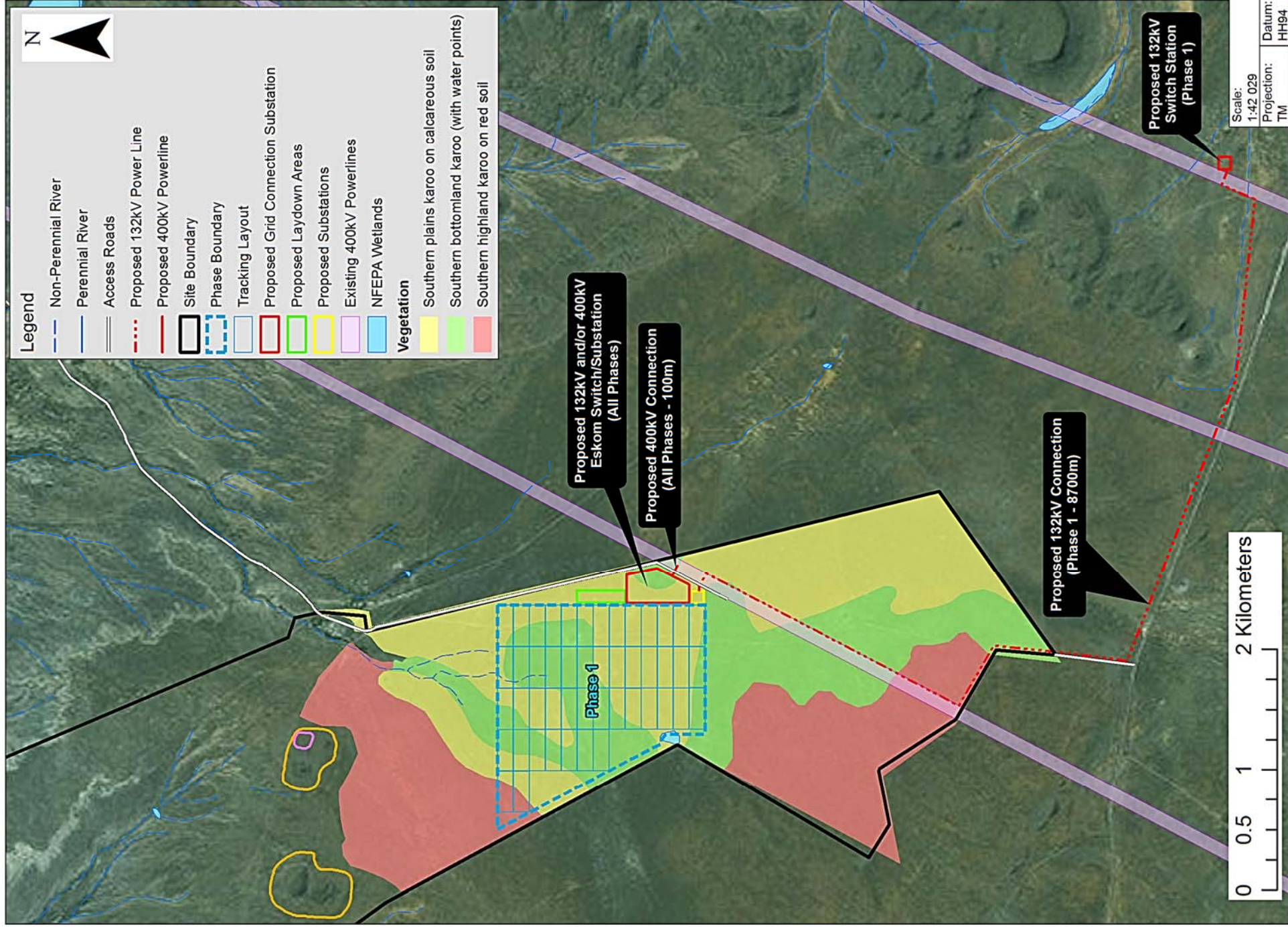
Signed:

Date: *19/02/2016*

Thank you for your participation

APPENDIX 5 (IF APPLICABLE)
LIST OF SGIDS
N/A – Refer to Section 5 (Site Description)

**APPENDIX 6
PROJECT MAP**

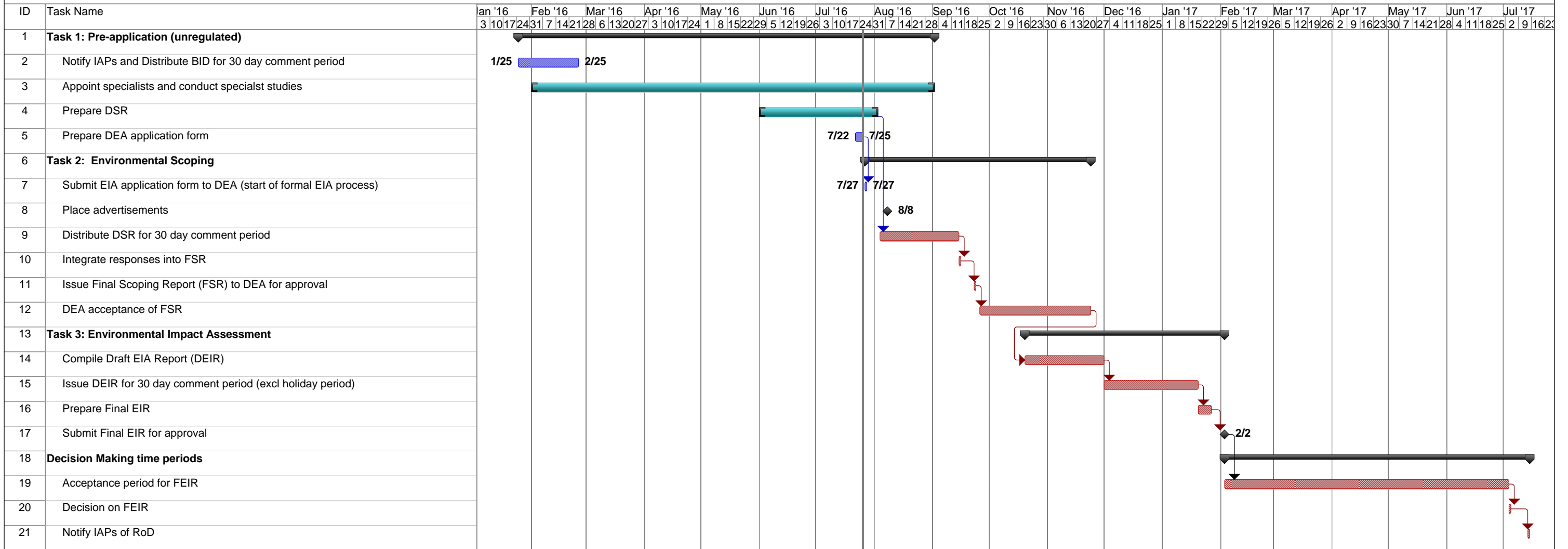


| | | |
|------------------------|------------|--------------|
| Scale: | 1:42 029 | A3 |
| Projection: | TM | Datum: |
| | | HH94 |
| Central Meridian/Zone: | | |
| Lo25 | | |
| Date: | 26/07/2016 | Compiled by: |
| | VERJ | |
| Project No. | 486618 | Fig No. |
| | 006 | |

Kloofsig Phase 1 Layout



**APPENDIX 7
PROJECT SCHEDULE**



Molteno WEF EIA programme
Date: 05 August 2014


| | | | | | | | | |
|---------------------|--|--------------------|--|--------------------|--|-----------------------|--|----------------|
| Task | | Rolled Up Progress | | Inactive Task | | Manual Summary Rollup | | Critical Split |
| Milestone | | Split | | Inactive Milestone | | Manual Summary | | Progress |
| Summary | | External Tasks | | Inactive Summary | | Start-only | | Deadline |
| Rolled Up Task | | Project Summary | | Manual Task | | Finish-only | | |
| Rolled Up Milestone | | Group By Summary | | Duration-only | | Critical | | |

**APPENDIX 8
DECLARATION OF THE APPLICANT**

I, JOHN MCGILLIVRAY declare that I -

- am, or represent¹, the applicant in this application;
- have appointed an environmental assessment practitioner to act as the independent environmental assessment practitioner for this application;
- will provide the environmental assessment practitioner and the competent authority with access to all information at my disposal that is relevant to the application;
- 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 environmental assessment practitioner or any person contracted by the environmental assessment practitioner;
 - 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;
- will ensure that the environmental assessment practitioner is competent to comply with the requirements of the Regulations and will take reasonable steps to verify that the EAP
 - know the Act and the regulations, and how they apply to the proposed development
 - know any applicable guidelines
 - perform the work objectively, even if the findings do not favour the applicant
 - disclose all information which is important to the application and the proposed development
 - have expertise in conducting environmental impact assessments
 - complies with the Regulations
- 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;
- am responsible for complying with the conditions of any environmental authorisation issued by the competent authority;
- hereby indemnify the Government of the Republic, 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 environmental assessment practitioner is responsible for in terms of these Regulations;
- 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;
- will perform all other 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 realise that a false declaration is an offence in terms of regulation 48 and is punishable in terms of section 24F of the Act.

¹ If this is signed on behalf of the applicant, proof of such authority from the applicant must be attached.


Signature² of the applicant³/ Signature on behalf of the applicant:

Kloofsig Solar (PTY) LTD
Name of company (if applicable):

26/07/2016
Date:

² Only original signatures will be accepted. No scanned, copied or faxed signatures will be accepted.

³ If the applicant is a juristic person, a signature on behalf of the applicant is required as well as proof of such authority. An EAP may not sign on behalf of an applicant.

**APPENDIX 9
DECLARATION OF THE EAP**

I, Nicola Rump declare that –

General declaration:

- I act as the independent environmental practitioner in this application
- 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 declare that there are no circumstances that may compromise my objectivity in performing such work;
- 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 take into account, to the extent possible, the matters listed in regulation 8 of the Regulations when preparing the application and any report relating to the application;
- I have no, and will not engage in, conflicting interests in the undertaking of the activity;
- 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;
- I will ensure that information containing all relevant facts in respect of the application is distributed or made available to interested and affected parties and the public and that participation by interested and affected parties is facilitated in such a manner that all interested and affected parties will be provided with a reasonable opportunity to participate and to provide comments on documents that are produced to support the application;
- I will ensure that the comments of all interested and affected parties are considered and recorded in reports that are submitted to the competent authority in respect of the application; provided that comments that are made by interested and affected parties in respect of a final report that will be submitted to the competent authority may be attached to the report without further amendment to the report;
- I will keep a register of all interested and affected parties that participated in a public participation process; and
- I will provide the competent authority with access to all information at my disposal regarding the application, whether such information is favourable to the applicant or not
- all the particulars furnished by me in this form are true and correct;
- will perform all other obligations as expected from an environmental assessment practitioner in terms of the Regulations; and
- I realise that a false declaration is an offence in terms of regulation 48 of the Regulations and is punishable in terms of section 24F of the Act.



Disclosure of Vested Interest

- 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;

Signature of the environmental assessment practitioner:

SRK Consulting
Name of company:

26 July 2016
Date:

| | |
|---|---|
| <p>Ek swaer die volgende verklaring dat my kennis is en dat die vertoënde wêreld dat ek nie anderszins enige ander belang het in die projek, nié as wat my taak/beraad is. Hierdie verklaring is in my teenwoordigheid afgelees en is in my teenwoordigheid deur my aangebring.</p> | <p>I certify that the above statement was sworn to me and that the signatory has acknowledged that he/she knows and understands the contents of this statement. This statement was sworn to/affirmed before me and deponent's signature/mark/initial/print was placed thereon in my presence.</p> |
| <p>by <u>Lea Elizabeth</u> op <u>2016-07-26</u> om <u>14:00</u> uur</p> | |
| <p>(HANDTEKENING) KOMMISSARIS VAN EDE (SIGNATURE) COMMISSIONER OF OATHS</p> | |
| <p><u>DORGIANI MAIVENI MOTO</u> VOLLE VOORNAAM EN VAN IN DRUKSKRIF FULL FIRST NAMES AND SURNAME IN BLOCK LETTERS</p> | |
| <p><u>1-4 Lea PLACE Southend P.E</u> BUSIGHEIDSADRES (STRAATADRES) BUSINESS ADDRESS (STREET ADDRESS)</p> | |
| <p><u>Mumewood SAPS</u> PLAAS/PLAAS SA POLISIEDIENS SA POLICE SERVICE</p> | |

**APPENDIX 10
MEETING MINUTES**



Record of Meeting 486618

3 September 2015

PRE-APPLICATION CONSULTATION WITH THE DEPARTMENT OF ENVIRONMENTAL AFFAIRS FOR THE KLOOFSIG 450MW SOLAR PHOTOVOLTAIC PROJECT, HOPETOWN, N CAPE

**DEA HOUSE, STEVE BIKO DRIVE, PRETORIA
11H00 – 12H30, 26 AUGUST 2015**

Attendees

| | |
|-----------------------|-------------------------------------|
| Coenrad Agenbach (CA) | Department of Environmental Affairs |
| Muhammad Essop (ME) | Department of Environmental Affairs |
| Thabile Sangweni (TS) | Department of Environmental Affairs |
| Duncan Palmer (DP) | Afri-Coast Energy TEWA Power |
| Nicola Rump (NR) | SRK Consulting |

Meeting objectives

The meeting was held to discuss the proposed Kloofsig 450 MW solar (photovoltaic) power generation facility, located on a farm in the Hopetown area, Northern Cape. The objectives of the meeting were as follows:

1. To provide an introduction and overview of the project
2. To determine DEA's procedural requirements and discuss options for the most efficient way forward with the EIA.

Introduction and overview of project

NR the purpose of the meeting, and gave a brief presentation outlining an overview of the proposed development, including locality, surrounding land uses, nature of the site, and development proposal (a copy of the presentation is appended to these minutes).

DP provided background of the proponent (Tewa Power) and some of the key technical details of the project, including the following:

- That the proposed project would be split into six phases (approximately 75 MW power generation capacity each) in accordance with the bidding requirements of the Department of Energy (DoE);
- That the DoE may require separate authorisations for each phase (exact requirements to be confirmed by DP);

Partners AH Bracken, MJ Braune, JM Brown, CD Dalgliesh, JR Dixon, DM Duthe, BM Engelsman, R Gardiner, GC Howell, WC Joughin, DA Kilian, PR Labrum, B Liber, DJ Mahlangu, RRW McNeill, HAC Meintjes, JA Middleton, MJ Morris, GP Nel, VS Reddy, M Ristic, PE Schmidt, PJ Shepherd, MJ Sim, VM Simposya, AA Smithen, HFJ Theart, KM Uderstadt, AT van Zyl, DJ Venter, ML Wertz, MD Wanless, A Wood

Directors AJ Barrett, JR Dixon, PR Labrum, V Maharaj, DJ Mahlangu, VS Reddy, PE Schmidt, PJ Shepherd

Associate Partners R Armstrong, N Brien, L Coetser, M Hirsch, AH Kirsten, Dr LH Kirsten, S Kisten, JA Lake, V Maharaj, SA McDonald, RD O'Brien, T Shepherd, JJ Slabbert, D Visser

Consultants AC Burger, *BSc(Hons)*; JAC Cowan, *PrSciNat, BSc(Hons)*; JH de Beer, *PrSci Nat, MSc*; T Hart, *MA, TTHD*; GA Jones, *PrEng, PhD*; TR Stacey, *PrEng, DSc*; OKH Steffen, *PrEng, PhD*; PJ Terbrugge, *PrSciNat, MSc*; DW Warwick, *PrSciNat, BSc(Hons)*

African Offices:

| | |
|------------------|-----------------------|
| Cape Town | + 27 (0) 21 659 3060 |
| Durban | + 27 (0) 31 279 1200 |
| East London | + 27 (0) 43 748 6292 |
| Johannesburg | + 27 (0) 11 441 1111 |
| Kimberley | + 27 (0) 53 861 5798 |
| Pietermaritzburg | + 27 (0) 33 347 5069 |
| Port Elizabeth | + 27 (0) 41 509 4800 |
| Pretoria | + 27 (0) 12 361 9821 |
| Rustenburg | + 27 (0) 14 594 1280 |
| Accra | + 23 (3) 24 485 0928 |
| Harare | + 263 (4) 49 6182 |
| Lubumbashi | + 243 (0) 81 999 9775 |

Group Offices:

- Africa
- Asia
- Australia
- Europe
- North America
- South America



- There is suitable existing infrastructure in the area (including Eskom powerlines crossing over the site, and access roads) to accommodate the project;
- That Eskom has confirmed capacity of the line to accept power from the proposed facility; and
- A new substation (on-site) will be required to accommodate the proposed development.

SRK noted that a screening study of the whole site had already been conducted and sensitive areas from an ecological and heritage perspective identified by the relevant specialists, to inform the project layout. These areas largely correspond with those identified by the design team as unsuitable for development.

Discussion – DEA procedural requirements for EIA

In the light of the requirement for separate authorisations for each phase, DEA noted the following:

- That DEA advises against submission of a combined application and that a separate application would need to be lodged for each phase (i.e. six separate EIA applications, including associated application fees);
- Separate reports (both for scoping & EIR phases of the EIA) would be required for each application;
- Public participation (e.g. posters, BIDs, newspaper adverts) may be combined for all applications, provided a clear indication of the separate applications (i.e. assign a unique name/ reference number to each phase / application) is provided and IAPs are requested to specify which application(s) their comments specifically apply to. These comments should then be addressed in the report for that particular application(s), so as not to have bearing on the other application(s);
- Cumulative impacts should be addressed and assessed both by each specialist and by the EAP in the impact assessment for each application. With this in mind, the phases should be presented in order of preference (starting with the phase most preferred by the applicant for development / most likely to be authorised), and for each successive phase, cumulative impacts relating to the previous phases should be assessed;
- DEA strongly advised that specialist studies should be completed pre- application, and that an initial round of public consultation and a draft scoping report should be distributed for IAP comment, prior to lodging of the application. The pre-application draft scoping report should be distributed to all stakeholders, commenting authorities and IAPs, but not to DEA;
- SRK should confirm whether the area falls within a biodiversity corridor recognised by the Department of Environmental Affairs and Nature Conservation (Northern Cape);
- DEA recommends staggering the timing of the EIA applications for the six phases, starting with the most preferred phase for development;
- Each phase / application would require independent facilities through which to connect to the energy grid (i.e. connection of one phase should not be dependent on authorisation of another phase);
- With regard to commenting authorities providing comment within the legislated timeframes, the EAP must be able to demonstrate due cause (i.e. sufficient efforts to obtain comments within the timeframes provided).

Specialist studies

In terms of specialist studies, DEA advised the following:

- That separate specialist reports would be required for each application;
- Specialists should include assessment of cumulative impacts in their reports;
- The following specialist studies will be required:

- A Visual Impact Assessment (for glint and glare, especially for road users and visitors to the nearby nature reserve);
 - An avi-faunal assessment (as a separate report to the ecological impact assessment). This must be in accordance with the Birdlife SA guidelines for solar energy developments;
 - Archaeological and palaeontological assessments (already completed);
 - Hydrological assessment (if watercourses are involved) – this may be combined with a groundwater assessment if required;
 - Ecological assessment (already completed to screening level) – this should include species lists and numbers of individuals for protected plants; and
 - Assessment of agricultural potential.
- SRK noted that a groundwater assessment will be conducted as groundwater will be required for the development.

Stakeholder consultation

DEA listed the following stakeholders to be included in the IAP database and consulted:

- Relevant ward councillor(s);
- Municipal representatives;
- Department of Water and Sanitation (DWS);
- Department of Agriculture, Fisheries and Forestry (DAFF) – agriculture division;
- Square Kilometre Array (SKA);
- Department of Environmental Affairs and Nature Conservation (Northern Cape);
- Birdlife SA;
- Endangered Wildlife Trust (EWT);
- Eskom;
- Telkom;
- Civil Aviation Authority (CAA);
- SANRAL (to confirm servitudes);
- South African Heritage Resources Agency (SAHRA);
- Rolfontein Nature Reserve (Vanderkloof Dam).

Minutes taken by:

N Rump (MSc, EAPSA)

Senior Environmental Scientist

SRK Consulting (South Africa) (Pty) Ltd