

HWC 002/01/ED



**iLifa leMveli leNtshona Koloni**  
**Erfenis Wes-Kaap**  
**Heritage Western Cape**

**NOTIFICATION  
 OF  
 INTENT  
 TO  
 DEVELOP**

Completion of this form is required by Heritage Western Cape for the initiation of all impact assessment processes under Section 38(1) & (8) of the National Heritage Resources Act.

Whilst it is not a requirement, it may expedite processes and in particular avoid calls for additional information if certain of the information required in this form is provided by a heritage specialist/s with the necessary qualifications, skills and experience.

**A. BASIC DETAILS**

**PROPERTY DETAILS:**

<b>Name of property:</b> Multiple sites, refer to attached map	
<b>Street address or location (eg: off R44):</b> Multiple sites across the Northern and Western Cape, refer to attached map for Gamma-Kappa 2 <sup>nd</sup> 765kV lines Sites are situated along three proposed routes between ESKOM station 'Gamma' south of Victoria West, Northern Cape and Hex River Mountains ESKOM Station 'Koruson' or 'Kappa', Western Cape	
<b>Erf or farm number/s:</b> Multiple, refer attached maps	<b>Coordinates:</b> S E (A logical centre point. Format based on WGS84.)
<b>Town or District:</b> Multiple districts, including Victoria West in the Northern Cape and Beaufort West, Three Sisters, Merweville, Murraysburg, Prince Albert, Laingsburg, Touwsriver and Ceres in the Western Cape.	<b>Responsible Municipality:</b> various, including Pixley-ka Seme District Municipality and Ubuntu Local Municipality (Victoria West) and Central Karoo District Municipality with Beaufort West, Prince Albert and Liangsburg Local Municipalities and Cape Winelands District Municipality with Breede Valley and Witzenberg Local Municipalities.
<b>Extent of property:</b> Multiple sites, extending across approximately 370 km of alternatives routes	<b>Current use:</b> Multiple land uses include mountainscapes, natural & cultural landscapes, settlements, farms, homesteads, scenic routes, agricultural lands, declared nature areas and conservancies
<b>Predominant land use/s of surrounding properties:</b> various as mentioned above under current use	

**REGISTERED OWNER OF PROPERTY:**

<b>Name</b> Multiple owners to be established through public participation processes		
<b>Address</b> Multiple, addresses to be established through public participation processes		
<b>Telephone -</b>	<b>Cell -</b>	<b>E-mail -</b>

By the submission of this form and all material submitted in support of this notification (ie: 'the material'), all applicant parties acknowledge that they are aware that the material and/or parts thereof will be put to the following uses and consent to such use being made: filing as a public record; presentations to committees, etc; inclusion in databases; inclusion on and downloading from websites; distribution to committee members and other stakeholders and any other use required in terms of powers, functions, duties and responsibilities allocated to Heritage Western Cape under the terms of the National Heritage Resources Act. Should restrictions on such use apply or if it is not possible to copy or lift information from any part of the digital version of the material, the material will be returned unprocessed.

I confirm that I enclose with this form four hardcopies of all material submitted together with a CD ROM containing digital versions of all of the same.

Signature of owner or authorised agent  
(Agents must attach copy of power of attorney to this form.)

Date 01 / 10 / 2012

**DEVELOPMENT DETAILS:**

Please indicate below which of the following Sections of the National Heritage Resources Act, or other legislation has triggered the need for notification of intent to develop.

<input checked="" type="checkbox"/> S38(1)(a) Construction of a road, wall, powerline, pipeline, canal or other similar form of linear development or barrier over 300m in length.	S38(1)(c) Any development or activity that will change the character of a site -
<input type="checkbox"/> S38(1)(b) Construction of a bridge or similar structure exceeding 50m in length.	<input checked="" type="checkbox"/> (i) exceeding 5 000m <sup>2</sup> in extent;
<input type="checkbox"/> S38(1)(d) Rezoning of a site exceeding 10 000m <sup>2</sup> in extent.	<input type="checkbox"/> (ii) involving three or more existing erven or subdivisions thereof;
<input checked="" type="checkbox"/> Other triggers, eg: in terms of other legislation, (ie: National Environment Management Act, etc.) Please set out details: Refer attached layout of NEMA triggers	<input checked="" type="checkbox"/> (iii) involving three or more erven or divisions thereof which have been consolidated within the past five years.  If you have checked any of the three boxes above, describe how the proposed development will change the character of the site: Transmission powerlines, pylons and associated infrastructure (sub stations, service roads) can change the character of individual sites and natural and cultural landscapes

If an impact assessment process has also been / will be initiated in terms of other legislation please provide the following information:

Authority / government department (ie: consenting authority) to which information has been /will be submitted for final decision: National Department of Environmental Affairs.

Present phase at which the process with that authority stands: beginning of Phase 1 assessment

Provide a full description of the nature and extent of the proposed development or activity including its potential impacts (eg: changes in land use, envisaged timeframes, provision of additional bulk services, excavations, landscaping, total floor area, height of development, etc. etc.):

#### NATURE OF PROJECT

The identified 3 potential powerline routes of the Gamma - Kappa Transmission Power lines cover the area stretching from the Victoria West (Gamma) in the Northern Cape to the ESKOM powerstation Koruson (Kappa) in the Hex River Mountain precinct, Western Cape.

The transmission lines to be assessed are a 2nd 765kV- 370km power line. Based on the information provided, the Gamma -Kappa (Koruson) route is  $\pm$  370 km in length. The scope requires 3 alternatives routes to be studied, namely Gamkort 1, 2 and 3 as depicted on attached map. Gamkort 2 and 3 essentially follow slight variations on the same alignment as the previously approved 765kV Power line between Gamma and Kappa, passing through Droerivier and just north of Komsberg. Gamkor1 runs to the south of Gamkort 2 and 3. The key land uses in the areas are agriculture and conservation. Additional infrastructure proposed are service roadways and substations.

The infrastructural components are the same as those assessed for previous 765kV lines. The information provided depicts a series of 765kV pylons, between 41 and 45m high, 37m - 45m across at their widest point, and having an associated servitude of 80m. The types of pylons within the available range that will be used vary depending on the terrain being covered. The exact dimensions of pylons and related infrastructure will be provided in the Phase 1 report.

#### POTENTIAL IMPACTS ON AFFECTED HERITAGE RESOURCES

Changes to characters of the natural and cultural landscapes;

Change of land uses of natural and cultural lands;

Change to the context of townscapes, sites and structures;

Visual impacts to natural and cultural landscapes, settlements, sites and structures

#### TIME FRAMES

This HIA is running concurrently with the HIA for the Kappa - Omega power line. The envisaged time frames for this assessment is from August 2012 - April 2013.

## B. HERITAGE RESOURCES AND IMPACTS THEREUPON

Section 3 of the National Heritage Resources Act sets out the following categories of heritage resource as forming part of the national estate. Please indicate the known presence of any of these by checking the box alongside and then providing a description of each occurrence, including nature, location, size, type

Failure to provide sufficient detail or to anticipate the likely presence of heritage resources on the site may lead to a request for more detailed specialist information.

(The assistance of relevant heritage professionals is particularly relevant in completing this section.)

Provide a short history of the site and its environs (include sources where available): The environs of the Proposed Gamma - Kappa transmission lines are multiple and varied (refer to Map). The proposed transmission lines and pylons will traverse multiple landscape character types, land uses, settlements and sites. Previous studies and secondary sources will be used, including the studies for Gamma-Kappa1 and the SAHRIS database. The historical aspects of settlement will be identified and dated where they fall within the study corridors.

Please indicate which heritage resources exist on the site and in its environs, describe them and indicate the nature of any impact upon them:	
<input checked="" type="checkbox"/>	<p><b>Places, buildings, structures and equipment of cultural significance</b></p> <p>Description of resource: Various, including towns, homesteads and associated farm settlements, individual buildings and sites, including potential archaeological and paleontological sites.</p> <p>Description of impact on heritage resource: Change of landscape setting and context, potential visual impact</p>
<input checked="" type="checkbox"/>	<p><b>Places to which oral traditions are attached or which are associated with living heritage</b></p> <p>Description of resource: To be investigated</p> <p>Description of impact on heritage resource: To be investigated</p>
<input checked="" type="checkbox"/>	<p><b>Historical settlements and townscapes</b></p> <p>Description of resource: Multiple, eg, Beaufort West, Merweville, Prince Albert, historic passes and scenic routes</p> <p>Description of impact on heritage resource: Change of landscape setting and context, potential visual impact</p>
<input checked="" type="checkbox"/>	<p><b>Landscapes and natural features of cultural significance</b></p> <p>Description of resource: Three Sisters Mountainscapes &amp; Karoo National Park</p> <p>Description of impact on heritage resource: Change of landscape setting and context, potential visual impact</p>
<input checked="" type="checkbox"/>	<p><b>Geological resources of scientific or cultural importance</b></p> <p>Description of resource:</p> <p>Description of impact on heritage resource:</p>
<input checked="" type="checkbox"/>	<p><b>Archaeological resources</b> (Including archaeological sites and material, rock art, battlefields &amp; wrecks):</p> <p>Description of resource: Multiple, including Stone Age (Early, Middle and Late), Rock Art, Khoe herders, Corbel huts and 18<sup>th</sup> /19<sup>th</sup> century AD Xhosa stonewalled sites</p> <p>Description of impact on heritage resource: To be investigated but may involve partial or total obliteration of sites and destruction of artefacts</p>
<input checked="" type="checkbox"/>	<p><b>Palaeontological resources</b> (ie: fossils):</p> <p>Description of resource: To be investigated</p> <p>Description of impact on heritage resource: To be investigated</p>
<input checked="" type="checkbox"/>	<p><b>Graves and burial grounds</b> (eg: ancestral graves, graves of victims of conflict, historical graves &amp; cemeteries):</p> <p>Description of Resource: to be investigated but it is anticipated that graves of farm labourers, farmers and other unmarked burials may be encountered.</p> <p>Description of Impact on Heritage Resource: to be investigated but the erection of pylons and associated activities may destroy graves</p>
<input type="checkbox"/>	<p><b>Other human remains:</b></p> <p>Description of resource:</p> <p>Description of impact on heritage resource:</p>
<input type="checkbox"/>	<p><b>Sites of significance relating to the history of slavery in South Africa:</b></p> <p>Description of resource:</p> <p>Description of impact on heritage resource:</p>

<input type="checkbox"/>	<p><b>Other heritage resources:</b></p> <p>Description of resource:</p> <p>Description of impact on heritage resource:</p>
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Describe elements in the environs of the site that could be deemed to be heritage resources: Mountainscapes, natural and cultural landscapes, declared natural areas and conservancies, towns, sites, scenic routes, battlegrounds, archeological and paleontological resources

Description of impacts on heritage resources in the environs of the site: Change of landscape setting and context, potential visual impacts, changes of land use, ground disturbance

Summary of anticipated impacts on heritage resources: Changes to landscape setting and context of identified cultural and natural resources, potential visual impacts to heritage resources. In some cases sites and artefacts may be destroyed.

**ILLUSTRATIVE MATERIAL** (This form will not be processed unless the following are included):

Attach to this form a minimum A4 sized locality plan showing the boundaries of the area affected by the proposed development, its environs, property boundaries and a scale. The plan must be of a scale and size that is appropriate to creating a clear understanding of the development.

Attach also other relevant graphic material such as maps, site plans, satellite photographs and photographs of the site and the heritage resources on it and in its environs. These are essential to the processing of this notification.

Please provide all graphic material on paper of appropriate size and on CD ROM in JPEG format. It is essential that graphic material be annotated via titles on the photographs, map names and numbers, names of files and/or provision of a numbered list describing what is visible in each image.

**C. RECOMMENDATION**

In your opinion do you believe that a heritage impact assessment is required?  Yes  No

Recommendation made by:

Name Sally Titlestad and Bridget O'Donoghue

Capacity Built Environment, Cultural Landscape and Spatial History Specialists

**PLEASE NOTE:** No Heritage Impact Assessment should be submitted with this form or conducted until Heritage Western Cape has expressed its opinion on the need for such and the nature thereof.

**D. INFORMATION TO BE PROVIDED AND STUDIES TO BE CONDUCTED AS PART OF THE HERITAGE IMPACT ASSESSMENT (HIA)**

If it is recommended that an HIA is required please complete this section of the form.

**DETAILS OF HERITAGE PRACTITIONERS AND SPECIALISTS INTENDING TO CONDUCT THE HIA:**

1.	<p>Name of individual: Dr McEdward Murimbika Name of Practice: Nzumbululo Group  Area of specialisation: [Designated Project PI] Archaeology (Iron age, EthnoArchaeology) Cultural Resource Management (CRM), ICMPlanning, Physical Cultural Property Management specialist (WB, IFC &amp; AfDB Heritage Policy Advisory Specialist)</p> <p>Qualifications: Ph.D. (Wits, 2006); M.Phil. (Bergen, 1999) Master of Management (WBS, 2010); Grad. Cert. in African Archaeology (Brussels, 1998); BA Hons. (UZ, 1995); BA. Gen. (UZ, 1994)</p> <p>Experience: 17 years</p> <p>Standing in heritage resource management: Principal Investigator-ASAPA; Member of ASAPA CRM Section; Member of World Archaeological Congress; Member IoDSA.</p> <p>E-mail Address: <a href="mailto:info@nzumbululo.com">info@nzumbululo.com</a> Telephone: 011 021 4937 Cell: 083 423 6388</p>
2.	<p>Name of individual: Dr. F.J Durand Name of Practice: Skarab  Area of specialisation: Paleontology</p> <p>Qualifications: Bsc Hons (University of the Witwatersrand), PhD Paleontology ( University of the Witwatersrand), DIP Museology ( University of Pretoria), HDE (RAU)</p> <p>Experience: 30 years</p> <p>Standing in heritage resource management: SACNASP registered</p> <p>E-mail Address: <a href="mailto:francois.karst@yahoo.com">francois.karst@yahoo.com</a> Telephone: 012 333 6078 Cell: 083 23 7855</p>
3.	<p>Name of individual: Sally Tittlestad Name of Practice: sally Tittlestad Historian and Heritage Management Consultant. Area of specialisation: Spatial History, Cultural landscape and heritage Management</p> <p>Qualifications: B Soc Sci (Social Work)(Hons)(UCT), BA (Psych)(Hons)(UWC), MPhil Architecture (UCT)</p> <p>Experience: 8 years</p> <p>Standing in heritage resource management: Accrediated Member :Association of Professional Heritage Practioners</p> <p>E-mail Address: <a href="mailto:sally@spatialhistory.co.za">sally@spatialhistory.co.za</a> Telephone: 021 686 8124 Cell: 072 212 8246</p>
4.	<p>Name of individual: Bridget O'Donoghue Name of Practice: Bridget O'Donoghue Architect, Heritage Specialist, Environment Area of specialisation: Assessment of Built Environments &amp; Cultural Landscapes, Management Plans, surveys of heritage resources</p> <p>Qualifications: B.A.S (UCT), B.Arch (UCT). M.Phil Environmental Science (UCT)</p> <p>Experience: 12 years</p> <p>Standing in heritage resource management: Accredited Member:Association of Professional Heritage Practioner</p> <p>E-mail Address: <a href="mailto:bodonoghue@telkomsa.net">bodonoghue@telkomsa.net</a> Telephone: 021 789 0222 Cell: 071 109 0900</p>

5.	<p>Name of individual: Shadreck Chirikure Name of Practice: Siyathembana Trading Area of specialisation: Heritage risk management, Grading and significance assessment, artefact studies, Iron Age, Historical Archaeology, ICMPs</p> <p>Qualifications: BA, BA Hons (UZ), BComm (Finance, UCT), MA (Artefact Studies), PhD (UCL), Dip IPMZ</p> <p>Experience: 10 years</p> <p>Standing in heritage resource management: Accredited Archaeologist, Association of Southern African Professional Archaeologists</p> <p>E-mail Address: schirikure@yahoo.com Telephone: Cell: 072 242 1270</p>
<p>If this submission is made in terms of Section 38(8) of the National Heritage Resources Act indicate below the particulars of the principle environmental consultant on the project.</p>	
<p>Name of individual: Hellen S. Mlotshwa Name of Practice: Nzumbululo Group Area of specialisation: [Designated Project EA] Environmental Management; Environment Health</p> <p>E-mail Address: mlotshwah@nzumbululo.com Telephone: 011 021 4937 Cell: 083 423 6388</p> <p>Postal Address: PO Box 4106 halfway House Midrand 1686</p>	

#### DETAILS OF STUDIES TO BE CONDUCTED IN THE INTENDED HIA

<p>In addition to the requirements set out in Section 38(3) of the NHRA, indicate envisaged studies:</p>	
<input type="checkbox"/>	Heritage resource-related guidelines and policies.
<input type="checkbox"/>	Local authority planning and other laws and policies.
<input type="checkbox"/>	Details of parties, communities, etc. to be consulted.
<input checked="" type="checkbox"/>	<p>Specialist studies, eg: archaeology, palaeontology, architecture, townscape, visual impact, etc. Provide details: Archeology, Paleontology, Visual Impact Assessment, Spatial History &amp; Cultural Landscape, Cultural landscape &amp; built environment.</p> <p><b>ASSESSMENT</b>  The specific proposed approach to these studies is based on a number of standards and factors, as follows:</p> <ul style="list-style-type: none"> <li>- the linear nature of the proposed development</li> <li>- complexity of heritage factors across the areas covered by the sites, and</li> <li>- the potential for more than one line in a corridor to have cumulative impacts on resources.</li> </ul> <p>This will be comparatively assessed against the option of opening up new corridors.</p> <p>Linear infrastructure projects, such as power lines and pylons, create unique challenges due to the linear extent of the impact and the number of heritage resources that are potentially adversely impacted by the development. The assessment of the Kappa - Omega line will employ standard best practice HIA tools of identification and assessment, with a focus on the degree of significance of resources and the potential adverse impacts by the proposed transmission powerlines.</p> <p>This process will be the production of stand alone specialist reports which are then integrated into an HIA-EIA based on the best practice standards accepted for the implementation of the National Environment Act and its DEA&amp;DP guidelines and the implementation of the NHRA through Heritage Western Cape.</p> <p>HIA PHASE1</p>

For Gamma Kappa 2nd 765kV, there are 3 alternative routes. The total linear distance affected by the propose power lines and pylons is sizebale at approximately 370km .

The aim of the Phase 1 of the HIA will be to:

- assess the affected areas within a 2km span of the routes for significant heritage resources;
- assess potential adverse impacts;
- identify the routes with the least impact on significant heritage resources.

This will provide the team with factors to study further for impact, and will provide the EIA team with clear information about which routes will have the lowest impact from a heritage perspective.

The Methodology for the Phase 1 of the HIA will include:

- Project team initiation meetings with EIA and HIA specialists to determine timelines, methodologies, client specifications etc;
- Definition of the 2km study corridors;
- Definition fo the study sections;
- 'Fly over' site visits with project team for entire routes;
- Collection and review of baseline information and previous studies conducted within the area of proposed routes;
- Historical overview of affected areas
- Detail fieldwork on specifc areas and sites;
- Mapping and assessment of heritage resources within the corridors;
- Development of Heritage indicators;
- Identification of negative impacts of sections of proposed powerline routes;
- Recommendations for preferred routes for detail study;
- Map and present findings in the appropriate participation processes;
- Respond to public comments.

Close liaison with the visual assessment specialist will be on-going, but will be focussed on the detailed inputs of the VIA specialists at the impact assesssment stage of the HIA. Consultation with a Colonial period Archaeologist for war sites and graves will be incorporated into this assessment. At the completion of the Draft HIA Phase 1 report, the findings of other specialist studies will be discussed at a specialist workshop to discuss the findings of the Scoping Phase. Preparation of EIA Integrated Scoping Report will be undertaken by the Principal Investigator.

## HERITAGE ASSESSMENT PHASE 2

The Aim of the HIA Phase 2 will be to assess the preferred route in detail the potential impacts on the identified significant heritage resources.

Methodology for the HIA Phase 2 will include:

- Review of relevant data from the HIA Phase 1, relevant specialists Scoping Reports and the Issues Summary Document;
- Identification of key issues/areas requiring detailed study and visual impact assessment;
- Conduct specific site visits;
- Establish the differentiated heritage significances of identified heritage resources;
- Identify and assess the heritage impacts and opportunities associated with the preferred routes identified during the Phase 1 of the HIAs.
- Recommend the preferred powerline routes with any mitigation measures required;
- Peer review of the draft HIA report;



	<ul style="list-style-type: none"><li>• Map and publically present in the appropriate participation processes;</li><li>• Finalise Draft HIA (by the Principal Investigator) with input from the specialists;</li><li>• Submit final reports to authorities including the approach and outcomes of the Public Participation processes.</li></ul>
<input type="checkbox"/>	Other. Provide details:
<b>PLEASE NOTE:</b> Any further studies which Heritage Western Cape may resolve should be submitted must be in the form of a single, consolidated report with a single set of recommendations. Specialist studies must be incorporated in full, either as chapters of the report, or as annexures thereto.	



*Dear Martina,*

Date:  
7 September 2012  
Enquiries: M Seabe  
Tel: 011 800 2345

### DELEGATION OF AUTHORITY: PROGRAMME MANAGER

In terms of the powers, duties and authorities delegated to me by the Eskom Holdings SOC Ltd in terms of the Delegation of Authority Document approved by the Board on the 01 December 2007.

**Paul O'Flaherty**

In my capacity as **Group Executive: Group Capital**, do hereby delegate with effect from date hereof to the **Middle Manager Programme Management: Land Development (Group Capital Division)** the authority to sign and execute the following:

- Agreements & documentations necessary for the acquisition of land, servitudes, leases and others.
- Environmental Applications
- Permits and licence application

This delegation shall be valid, from 01 June 2012 until 31 May 2014 or you ceasing for any reason whatsoever at any time prior to 31 May 2014 from acting in your position as Programme Manager or this delegation is withdrawn either by myself or Chief Executive.

Please ensure that you are familiar with the content of the above document and that your actions fall within the limits prescribed. This delegation supersedes all previous documents delegating powers, duties and authorities in this regard to the undersigned.

Please acknowledge acceptance hereof:

**Martina Nailana: Middle Manager Programme Management**

SIGNED AT MEGAWATT PARK ON

6 September 2012

Date

**Paul O'Flaherty**  
**Group Executive: Group Capital**