

**APPENDIX B**  
**BACKGROUND INFORMATION DOCUMENT**

## SPECIALISSTUDIES

Die insette van die volgende spesialiste sal tydens die Omvangstudie verkry word:

### Avifauna (voëls):

Chris van Rooyen, Trust vir Bedreigde Natuurlewe

### Kulturele Erfenis:

Tim Hart, Departement van Argeologie, Universiteit van Kaapstad

### Visuele Impak:

Tanya de Villiers, Chittenden Nicks de Villiers

### Plantegroei:

Nick Helme, Nick Helme Botanical Surveys

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## PROGRAM

### Aanvang van Studie

Begin van Augustus 2004

### Aanvangslyn Inligting

Augustus - September 2004

### Spesialisstudies

Augustus - September 2004

### Omvanstudie en Publieke Deelname

Augustus - September 2004

### Sluitingsdatum vir kommentaar deur die publiek

Middel September 2004

### Voltooiing van Studie en verspreiding van Konsep Omvangsverslag vir kommentaar

Oktober 2004

### Inhandiging aan die Departement van Omgewingsake en Toerisme

Einde Oktober 2004

## VOORGESTELDE OMEGA SUBSTASIE - OMGEWINGSIMPAKSTUDIE (Verw: 12/12/20/636) AGTERGROND INLIGTING DOKUMENT AUGUSTUS 2004

### AGTERGROND

Die voorgestelde Omega Substasie is deel van 'n versterkingsprogram om te voorsien aan die verwagte verhoging in aanvraag na elektrisiteit om die lassentrum van Kaapstad te bedien.

Die konstruksie van die substasie sal ongeveer 5 km vanaf Koeberg geskied op 'n eiendom, genoemd "Olifantskop", wat aan Eskom behoort. Die substasie sal dien as 'n skakelstasie vir die bestaande transmissielyste in die gebied, en ook as die afhegtingspunt van die 765kV lyn vanaf Mapumalanga. 150 ha word benodig om die substasie te bou, wat 'n opelug konstruksie sal wees en 'n terrein van 1.5 km x 1 km sal beslaan. Die substasie sal ongeveer 45 m hoog wees en sal uit drie vlakke bestaan. Vier 400 kV transmissielyste loop tans deur die plaas wat verlê sal word sodat dit by die substasie ingaan en weer uitgaan.

### OMGEWINGSIMPAKSTUDIE

Die konstruksie van 'n elektrisiteitsubstasie is 'n gelyste aktiwiteit in terme van huidige omgewingswetgewing, wat vereis dat 'n Omgewingsimpakstudie (OIS) gedoen word voordat konstruksie begin.

Dienooreenkomstig het Eskom Eyethu Ingenieurs BK aangestel om 'n OIS te doen vir die voorgestelde Omega Substasie. Die bevindinge van die OIS sal deur die Nasionale Departement van Omgewingsake en Toerisme oorweeg word, met aanbevelings van die Wes-Kaapse Departement van Omgewingsake en Beplanning. Aan die einde van die proses sal die Departement van Omgewingsake en Toerisme 'n Notule van Besluit uitreik wat die voorgestelde projek met voorwaardes of goedkeur of afkeur.

### TERREIN SELEKSIE - VERWYS NA DIE KAART OP DIE KEERSY

Drie terreine is voorgestel op die plaas "Olifantskop" wat gedurende die OIS ondersoek sal word, met die insette van die betrokke owerhede, Eskom, grondeienaars wat hierdeur geraak sal word, die publiek, ander belanghebbendes en die OIS span, wat spesialiste insluit. Die verskeidenheid spesialiste wat vir hierdie studie geselekteer is, sluit kundiges in op die gebiede van die natuurlike omgewing (bv. plante en voëls), kulturele erfenisbronne (bv. argeologie) en die visuele landskap. Gedurende die omvangstudie sal die voorkeur terrein geselekteer word.

### UITNODIGING OM DEEL TE NEEM

Publieke deelname is 'n integrale deel van 'n OIS. Enigeen wat geïnteresserd is of wat belange het by die voorgestelde projek het die reg om deel te neem.

Maak asseblief van die volgende geleenthede gebruik:

- Bestudeer die inligting in hierdie Agtergrond Inligting Dokument, asook op die webblad en in die Konsep Omvangsverslag.
- Kommunikeer op 'n een-tot-een-basis met die Projekspan en/of opper probleme of kwessie waaroor u besorg is.
- Kontak die Publieke Deelname Kantoor om verdere inligting te verkry en/of om probleme of kwessies waaroor u besorg is te opper.
- Registreer as 'n Belanghebbende en Betrokke Party om by die databasis ingesluit te word ten einde inligting oor die projek te ontvang en/of om probleme en kwessies waaroor u besorg is, formeel op rekord te plaas.

## DIE OMGEWINGSIMPAK- PROSES WAT GEVOLG SAL WORD

### Fase 1

Insameling van basislyn data oor die omgewing van die projek.

### Fase 2

Omvangstudie - identifikasie van die relevante alternatiewe en relevante impakte met die hulp van belanghebbendes en partye wat deur die projek geraak word.

### Fase 3

Beraming van die impakte en ontwikkeling van maatreëls ter versagting van die impak

### Fase 4

Verlagdoening, oorsig en besluitneming

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## KONTAKPERSONE

Die konsultant wat aangestel is om die Omgewingsimpakstudie te onderneem vir hierdie projek is Eyethu Ingenieurs BK

### Kontak :

Belinda Hingle/Sharon Boast

Eyethu Ingenieurs  
Posbus 70358

Overport

Durban

4067

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E-pos :

[enviroeyethu@telkomsa.net](mailto:enviroeyethu@telkomsa.net)

[sbeyethu@telkomsa.net](mailto:sbeyethu@telkomsa.net)

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'n Studieterrein (sien kaart) vir die beoogde oprigting van die voorgestelde substasie is geïdentifiseer. Dit is nodig om die beperkinge van hierdie studieterrein te bepaal **voordat** 'n besluit geneem kan word oor die voorkeur terrein se ligging. Indien u onseker is of u hierdeur beïnvloed sal word, kontak asseblief die Openbare Deelname kantoor vir hulp.

## SPECIALIST STUDIES

The following specialist input will be obtained as part of Scoping:

### **Avifauna (birds):**

Chris van Rooyen,  
Endangered Wildlife Trust

### **Cultural Heritage:**

Tim Hart, UCT Dept of  
Archaeology

### **Visual Impact:**

Tanya de Villiers,  
Chittenden Nicks de  
Villiers

### **Vegetation:**

Nick Helme, Nick Helme  
Botanical Surveys

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## PROGRAMME

### Study commencement

Beginning August 2004

### Baseline information

August - September 2004

### Specialist Studies

August - September 2004

### Scoping and public participation

August - September 2004

### Closing date for public comments

Mid September 2004

### Study completed and draft scoping report distributed for comment

October 2004

### Submission to DEAT

End October 2004

Visit Eskom's website to register, view information and/or submit comment ([www.eskom.co.za/eia](http://www.eskom.co.za/eia)).

Complete the attached comment sheet and return either in person, or by mail, fax or e-mail.

## **PROPOSED OMEGA SUBSTATION - ENVIRONMENTAL IMPACT ASSESSMENT (Ref: 12/12/20/636) BACKGROUND INFORMATION DOCUMENT AUGUST 2004**

### BACKGROUND

The proposed Omega substation is part of a strengthening programme to supply the anticipated increased demand for electricity to serve the load centre of Cape Town.

The construction of the sub-station will be approximately 5km from Koeberg on a property belonging to Eskom called "Olifantskop". The substation will act as a switching station for the existing transmission lines in the area, and as the termination point of the 765kV line from Mpumalanga. 150 ha will be required to build the sub-station, which will be 1.5km x 1km and will be an open-air structure. The substation will be approximately 45m high and will consist of three layers. Four 400kv transmission lines currently run through the farm and will need to turn into and then leave the sub-station.

### ENVIRONMENTAL IMPACT ASSESSMENT

The construction of an electricity substation is a listed activity in terms of current environmental legislation, requiring the proponent to undertake an Environmental Impact Assessment (EIA) ahead of construction.

Accordingly, Eskom has appointed Eyethu Engineers CC to undertake an EIA for the proposed Omega Substation. The findings of the EIA will be considered by the National Department of Environmental Affairs and Tourism (DEAT) with recommendations from the Western Cape Department of Environmental Affairs and Planning. At the end of the process DEAT will issue a Record of Decision that either approves the proposed project with conditions or rejects the project.

### SITE SELECTION - REFER TO MAP OVERLEAF

Three sites have been proposed on the "Olifantskop" farm which will be assessed during the EIA, with input from the relevant authorities, Eskom, affected landowners, the public, other stakeholders and the EIA team, including specialists. The range of specialists selected for this study include people with expertise in the natural environment (e.g. plants and birds), cultural heritage resources (e.g. archaeology) and the visual landscape. During scoping a preferred site option will be selected.

### INVITATION TO PARTICIPATE

Public participation is an integral part of an EIA. Anyone who is interested or affected by the proposed project has the right to participate.

Please make use of the following opportunities:

- Study the information made available in this background Information Document, on the website and in the draft Scoping Report.
- Interact on a one-to-one basis with the Project Team, and/or raise concerns.
- Contact the Public Participation Office to obtain further information, and/or raise issues and concerns.
- Register as an Interested & Affected Party and be included on the database in order to receive future project information and/or formally record issues and concerns.

## THE EIA PROCESS TO BE FOLLOWED

### Phase 1

Baseline data collection for the environment and project

### Phase 2

Scoping - identification of relevant alternatives and relevant impacts with the assistance of interested and affected parties

### Phase 3

Assessment of impacts and development of mitigation measures

### Phase 4

Reporting, review and decision making

### CONTACT PERSONS

The consultant appointed to undertake the Environmental Impact Assessment study for this project is Eyethu Engineers CC

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4067

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A study area (see map), wherein the proposed substation can be constructed, has been identified. It is necessary to determine the constraints within the study area, **before** a decision can be made on the preferred site for location.

If you are unsure about whether you may be affected, contact the Public Participation office for assistance.