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# **Eskom Kimberley Strengthening Phase 4 Project ULCO to OLIEN to MANGANORE**

## **PUBLIC PARTICIPATION PROCESS**

### **Notification of a Basic Environmental Impact Assessment and Request for Public Input**



## BACKGROUND

*Landscape Dynamics Environmental Consultants* was appointed by Eskom Holdings SOC Limited: Eskom Land Development: Group Capital Division to apply for Environmental Authorisation for the proposed Eskom Kimberley Strengthening Phase 4: Ulco to Olien to Manganore Project.

The Consultants are undertaking the Environmental Impact Assessment process according to the Environmental Impact Assessment Regulations which came into effect in August 2010 and promulgated in terms of section 24(5) of the National Environmental Management Act, 1998 (Act No. 107 of 1998). Government Notice R544 (Listing Notice 1), Government Notice R545 (Listing Notice 2) & Government Notice R546 (Listing Notice 3) are applicable and an Environmental Impact Assessment (EIA) has to be undertaken. This Public Participation Programme forms part thereof.

The decision-making authority for this EIA is the National Department of Environmental Affairs.

### PURPOSE OF THIS DOCUMENT

The purpose of this document is to provide Interested & Affected Parties (IAPs) the opportunity to obtain background information with regards to the project and to comment on the development proposal. Contributions from the public forms an important part of the environmental process, which is to identify negative impact that the project may have on the environment and to provide mitigation measures in order to avoid / reduce those impacts. Comment from IAPs can greatly assist in reaching the overall goals of the environmental assessment process.

### PROJECT NAME

Eskom Kimberley Strengthening Phase 4: **Ulco to Olien to Manganore** Project

### PROJECT APPLICANT

Eskom Holdings SOC Limited- represented by Eskom Land Development: Group Capital Division

### ENVIRONMENTAL IMPACT ASSESSMENT: LISTED ACTIVITIES

Government Notice R544 (Listing Notice 1), Government Notice R545 (Listing Notice 2) & Government Notice R546 (Listing Notice 3) are applicable and an Environmental Impact Assessment has to be undertaken. The listed activities for which environmental authorisation could be required, are:

#### *Listing Notice 1*

10. The construction of facilities or infrastructure for the distribution of electricity with a capacity of more than 33 but less than 275 kilovolts;
11. Construction of infrastructure covering 50m<sup>2</sup> or more within a watercourse or within 32m of a watercourse.
18. The infilling or depositing of any material of more than 5m<sup>3</sup> cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock from a watercourse.
23. The transformation of undeveloped, vacant or derelict land outside an urban area where the total area to be transformed is bigger than 1 hectare but less than 20 hectares;

#### *Listing Notice 2*

8. The construction of facilities of infrastructure for the transmission and distribution of electricity with a capacity of 275 kilovolts or more, outside an urban area or industrial complex.

### Listing Notice 3

4. The construction of a road wider than 4m outside of urban areas.
12. The clearance of an area of 300m<sup>2</sup> or more of vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation.
13. The clearance of an area of 1 hectare or more of vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation.
14. The clearance of an area of 5 hectares or more of vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation.
16. The construction of infrastructure covering 10m<sup>2</sup> or more within a watercourse or within 32m of a watercourse

**Please note that, as more detail about the project becomes available and specialist studies are completed, further listed activities might be added / deleted to those mentioned above.**

## PROJECT DESCRIPTION AND LOCALITY

### PROJECT DESCRIPTION

The project will consist of the construction of an approximately 58km Double Circuit 400kV powerline from the Ulco Substation to the Olien Substation and approximately 75km 400kV Double Circuit powerline from the Olien substation to the Manganore Substation (approximate 133km in total of powerline to be constructed). A new Olien TX (Transmission) Substation adjacent to the existing Olien DX (Distribution) Substation will also be constructed.

This 133km section of the powerline route forms part of the Eskom Kimberley Strengthening Phase 4 Project, which has a total powerline length of approximate 390km. It starts west of the town of Dealesville, falling under the jurisdiction of the Tokologo Local Municipality in the Free State and ends just south of Kathu, falling under the jurisdiction of the Gamagara Local Municipality in the Northern Cape. The 390km powerline runs east to west, starting at the Beta Substation, connects to the Boundary Substation, then on to the Ulco Substation, connects at the Olien Substation, then Manganore Substation and ends at the Ferrum Substation.

### PROJECT LOCALITY

The line runs in a westerly direction through the areas of the Dikgatlong, Kgatelopele and Tsantsabane Local Municipalities in the Northern Cape Province. The closest towns are Barkley West, Ulco, Danielskuil, Owendale and Postmasburg.

#### **Ulco Substation to Olien Substation** (also refer to the attached route map)

The properties that could be potentially affected by this project include, but are not limited to, various portions of the Farms Plaas 217, Plaas 215, Plaas 234, Nooitgedacht 392, Weltevreden 214, Alexandersfontein 213, Koopmansfontein 212, Plaas 375, Plaas 232, Plaas 233, Plaas 277, Plaas 293, Oudekraal 294, Oudekraal 294, Voorspoed 5, Glen Ross 395, Bergmanshoop 4, Plaas 274, Plaas 3, Plaas 3, Portion 2, Plaas 273, Portion 1, Plaas 273, Good Hope 272, Plaas 2, Plaas 11, Cavonne 271, Plaas 270, Plaas 1, Glen Allen 12, Plaas 269, Plaas 13, Plaas 510, Plaas 509, Plaas 295, Plaas 508, Grootvlei 296, Vlakpan Zuid 268, Plaas 297, Plaas 297, Plaas 267, Hartbeesput 266, Rooipan 507, Plaas 298, Plaas 299, Carter Block 458 and Engeland 300.

#### **Olien Substation to Manganore Substation** (also refer to the attached route map)

The properties that could be potentially affected by this project include, but are not limited to, various portions of the Farms Engeland 300, Plaas 300, Carter Block 458, Plaas 301, Hinton George 303, Ouplaas 304, Doorn Vlei 305, Plaas 260, Plaas 259, Plaas 258, Plaas 257, Malans Rust 256, Billingshurst 681, Plaas 309, Grasmere 680, Plaas 439, Copthorne 677, Plaas 457, Lemoenkloof 456, Plaas 455, Plaas 467, Clifton 468, Plaas 469, Groenwater 453, Goedgedacht 452: Plaas 589, Plaas 588: Mount Huxley 676, Plaas 438, Klipfontein 437 and Kapstewel 436.

## ROUTE ALTERNATIVES

Different route alternatives / route corridors are being investigated – please refer to the attached Route & Locality Map. Although the servitude for the 400kV line will be 55m, a 2km corridor is being investigated by the environmental professional team (see below). This is to ensure that all environmental factors are being taken into consideration when the final route is being selected.

## SPECIALIST STUDIES

The following specialist studies are being undertaken as part of this EIA process:

- Ecological Impact Assessment
- Bird Impact Assessment
- Aquatic Impact Assessment
- Heritage Impact Assessment
- Paleontological Impact Assessment
- Geotechnical Investigation
- Visual Impact Assessment
- Social Economic, Tourism and Land Use and Potential
- Soil and Agricultural Potential Baseline Study
- Legal reviews

## PUBLIC PARTICIPATION

### COMMENT ON THE DEVELOPMENT PROPOSAL & REGISTRATION AS AN IAP

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Should you wish to comment on this development proposal, your comment should reach us not later than 30 days from the date of this notice. Your comment should be in writing and can be submitted via email, fax or post. In order to be registered as an IAP, your contact details should also be provided.

Registered IAPs will be included in our database which will ensure that you are directly informed of any important dates, availability of documents, etc.

Please do extend this invitation to comment to others whom you believe may also be affected by, or would be interested in, this Eskom project.

### OPEN DAY

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A Public Open Day will be held in due course. The objectives of this open day will be to:

- communicate the purpose and details of the proposed project;
- present the findings of the specialist studies as well as the Draft Scoping Report;
- further enable informed comment from the public and key stakeholders;

More information in this regard will be forwarded to all registered Interested & Affected Parties.

## SCOPING REPORT

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Scoping is a process of baseline information gathering and public consultation in order to identify potential impacts and environmental issues. The Draft Scoping Report will contain detail about the project, the need and desirability of the project, specialist studies, possible impacts that the development might have on the receiving environment and other relevant information. All comment / objections received up to this date will also be addressed in the Draft Scoping Report.

The Draft Scoping Report will be made available for public input before and during the above-mentioned Open Day.

The Final Scoping Report will be submitted to the National Department of Environmental Affairs for their consideration.

## ENVIRONMENTAL IMPACT ASSESSMENT REPORT (Final Environmental Management Plan included)

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The EIA Report focuses on more detail when compared to the Scoping process, which is a basic overview. It consists of further specialist investigations, detailed desktop research, a second public participation process and an impact assessment based on issues and alternatives as identified during the Scoping process. Mitigation measures will be provided to minimise these impacts and an Environmental Management Plan will be compiled to complete the EIA Report.

The EIA Report will be made available for final public input before it is submitted to the National Department of Environmental Affairs for their perusal, comment and ultimately, the issuing of environmental authorisation for this project.

### DATE OF NOTICE

This notice is being distributed in the week of 14 May 2014.

### CONTACT DETAIL

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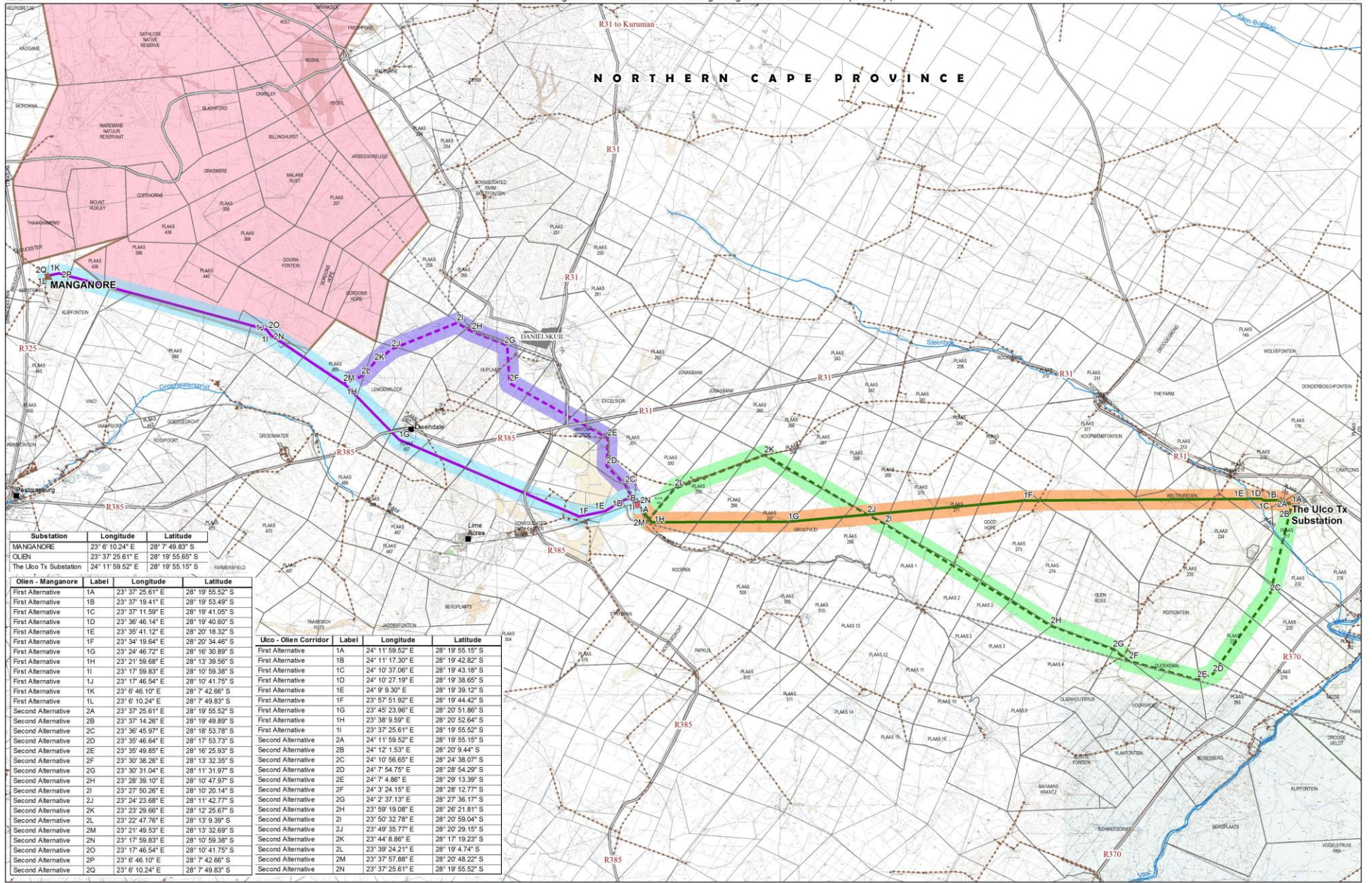
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# Eskom Kimberley Strengthening Phase 4 Project Route Map: ULCO-OLIEN-MANGANORE

(Approximately 58km Double circuit 400kV powerline from Ulco to Olien and approximately 75km 400kV double circuit powerline from Olien to Manganore, including a new Olien Tx Substation and a new Manganore Tx Substation, adjacent to the existing Olien Dx Substation and existing Manganore DX Substation respectively.)



Substation	Longitude	Latitude
MANGANORE	23° 6' 10.24" E	28° 19' 49.83" S
OLIEN	23° 37' 25.61" E	28° 19' 55.65" S
The Ulco Tx Substation	24° 11' 59.52" E	28° 19' 55.15" S

Olien - Manganore	Label	Longitude	Latitude
First Alternative	1A	23° 37' 25.61" E	28° 19' 55.52" S
First Alternative	1B	23° 37' 19.41" E	28° 19' 53.49" S
First Alternative	1C	23° 37' 11.59" E	28° 19' 41.05" S
First Alternative	1D	23° 36' 46.14" E	28° 19' 40.60" S
First Alternative	1E	23° 35' 41.12" E	28° 20' 18.32" S
First Alternative	1F	23° 34' 19.64" E	28° 20' 34.46" S
First Alternative	1G	23° 24' 46.72" E	28° 16' 30.89" S
First Alternative	1H	23° 21' 59.66" E	28° 13' 39.56" S
First Alternative	1I	23° 17' 59.83" E	28° 10' 59.38" S
First Alternative	1J	23° 17' 46.54" E	28° 10' 41.75" S
First Alternative	1K	23° 6' 46.10" E	28° 7' 42.66" S
First Alternative	1L	23° 6' 10.24" E	28° 7' 49.83" S
Second Alternative	2A	23° 37' 25.61" E	28° 19' 55.52" S
Second Alternative	2B	23° 37' 14.26" E	28° 19' 49.89" S
Second Alternative	2C	23° 36' 45.97" E	28° 18' 53.78" S
Second Alternative	2D	23° 35' 46.64" E	28° 17' 53.73" S
Second Alternative	2E	23° 35' 49.85" E	28° 16' 25.93" S
Second Alternative	2F	23° 33' 39.26" E	28° 13' 32.38" S
Second Alternative	2G	23° 30' 31.04" E	28° 11' 31.97" S
Second Alternative	2H	23° 28' 39.10" E	28° 10' 47.97" S
Second Alternative	2I	23° 27' 50.26" E	28° 10' 20.14" S
Second Alternative	2J	23° 24' 23.68" E	28° 11' 42.77" S
Second Alternative	2K	23° 23' 29.66" E	28° 12' 25.77" S
Second Alternative	2L	23° 22' 47.76" E	28° 13' 9.39" S
Second Alternative	2M	23° 21' 49.53" E	28° 13' 32.69" S
Second Alternative	2N	23° 17' 59.83" E	28° 10' 59.38" S
Second Alternative	2O	23° 17' 46.54" E	28° 10' 41.75" S
Second Alternative	2P	23° 6' 46.10" E	28° 7' 42.66" S
Second Alternative	2Q	23° 6' 10.24" E	28° 7' 49.83" S

Ulco - Olien Corridor	Label	Longitude	Latitude
First Alternative	1A	24° 11' 59.52" E	28° 19' 55.15" S
First Alternative	1B	24° 11' 17.30" E	28° 19' 42.82" S
First Alternative	1C	24° 10' 37.06" E	28° 19' 43.18" S
First Alternative	1D	24° 10' 27.19" E	28° 19' 38.65" S
First Alternative	1E	24° 9' 9.30" E	28° 19' 39.12" S
First Alternative	1F	23° 57' 51.92" E	28° 19' 44.42" S
First Alternative	1G	23° 45' 23.96" E	28° 20' 51.86" S
First Alternative	1H	23° 38' 9.59" E	28° 20' 52.64" S
First Alternative	1I	23° 37' 25.61" E	28° 19' 55.52" S
Second Alternative	2A	24° 11' 59.52" E	28° 19' 55.15" S
Second Alternative	2B	24° 12' 1.53" E	28° 20' 9.44" S
Second Alternative	2C	24° 10' 56.65" E	28° 24' 38.07" S
Second Alternative	2D	24° 7' 54.75" E	28° 28' 54.29" S
Second Alternative	2E	24° 7' 4.86" E	28° 29' 13.39" S
Second Alternative	2F	24° 3' 24.15" E	28° 28' 12.77" S
Second Alternative	2G	24° 2' 37.13" E	28° 27' 36.17" S
Second Alternative	2H	23° 59' 19.08" E	28° 26' 21.81" S
Second Alternative	2I	23° 50' 32.78" E	28° 20' 59.04" S
Second Alternative	2J	23° 49' 35.77" E	28° 20' 29.15" S
Second Alternative	2K	23° 44' 9.89" E	28° 17' 19.23" S
Second Alternative	2L	23° 39' 24.21" E	28° 19' 4.74" S
Second Alternative	2M	23° 37' 57.88" E	28° 20' 48.22" S
Second Alternative	2N	23° 37' 25.61" E	28° 19' 55.52" S

- Towns / Places
- Dams
- Farms
- Olien - Manganore First Alternative
- First Alternative Corridor
- SAACK - LOHATLA
- Distribution power lines
- Rivers
- ▲ MANGANORE Substation
- Olien - Manganore Second Alternative
- Second Alternative Corridor
- Transmission power lines
- Roads
- ▲ OLIEN Substation
- Ulco - Olien First Alternative
- First Alternative Corridor
- Provincial Borders
- Major Towns
- ▲ The Ulco Tx Substation
- Ulco - Olien Second Alternative
- Second Alternative Corridor

