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APPENDIX A - SITE PLAN



PAUL PUTS EXISTING KEY PLAN

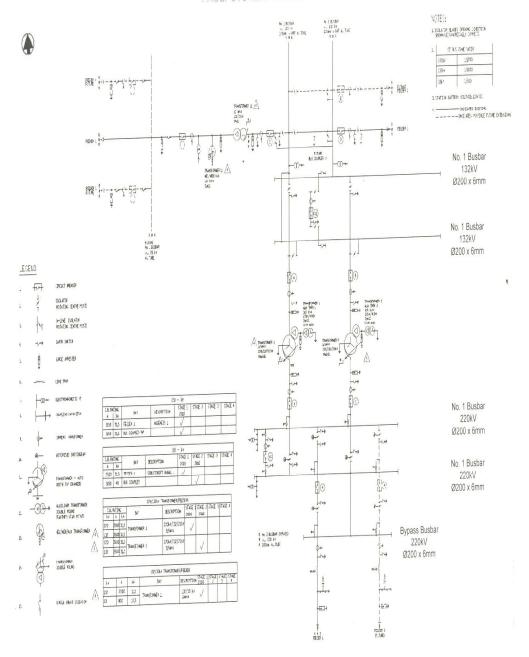
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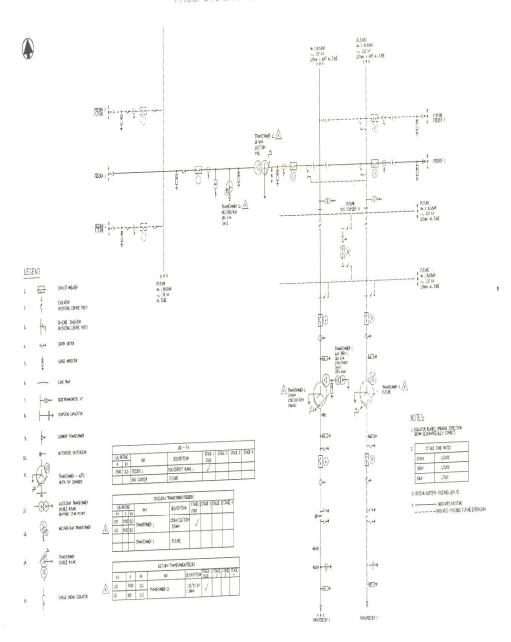


PAULPUTS NEW STATION ELEC. RIC





PAULPUTS EXISTING STATION ELEU RIC





APPENDIX B: SITE PHOTOGRAPHS









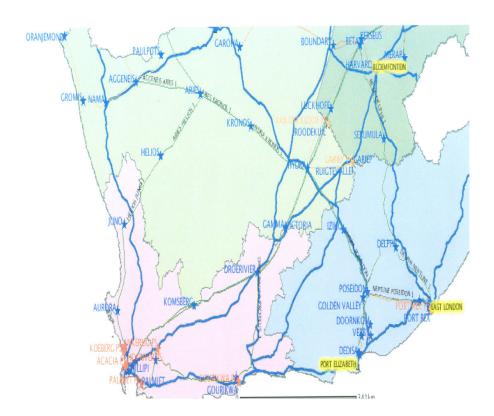






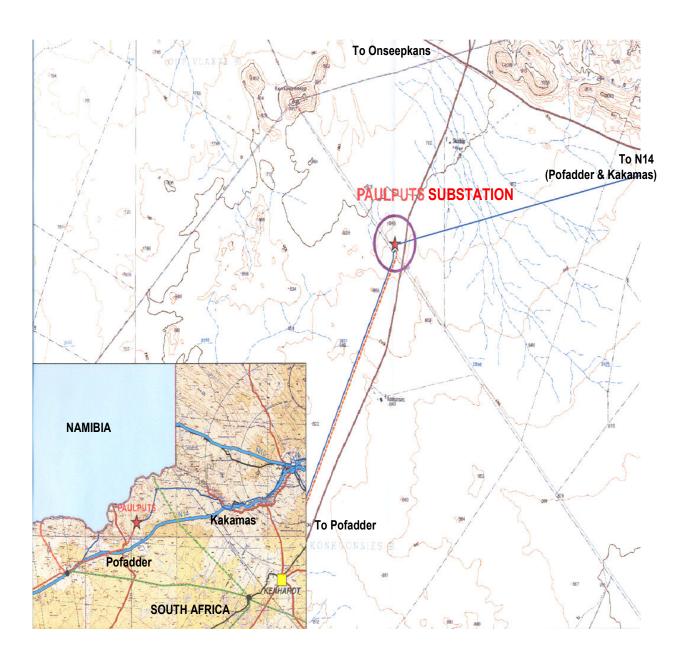
APPENDIX C: FACILITY ILLUSTRATION













APPENDIX D: SPECIALIST REPORTS





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TYPE OF DOCUMENT: VEGETATION ASSESSMENT FOR THE PROPOSED EXTENSION OF THE PAULPUTS SUBSTATION ON PORTION 4 THE FARM SCHUITKLIP 92

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VEGETATION ASSESSMENT FOR THE PROPOSED EXTENSION OF THE PAULPUTS SUBSTATION ON PORTION 4 THE FARM SCHUITKLIP 92

September 2008

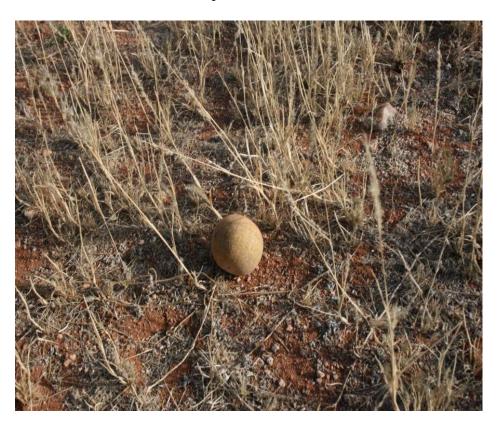


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SECTION 1: INTRODUCTION

The loss, transformation and degradation of natural habitat are one of the most important casual mechanisms of biodiversity loss (UNEP, 2002). Conversion of natural habitat types by cultivation, grazing, urban development, afforestation, mining, dams, industry and alien plant invasions results in ecosystem degradation and species loss. The impact on biodiversity has been substantial, and significant proportions of South Africa's flora and fauna are threatened.

Historically, the planning and implementation of developments did not consider the natural environment and consequently lead to the wasteful exploitation, destruction and contamination of many natural environments within South Africa. In order to prevent further degradation, operations that may harm the environment should be planned in such a way, that they make the best possible use of natural resources and avoid degradation of the environment. It is therefore necessary that environmental factors be considered. These should include studies relating to floral communities, in order to identify and allocate the areas potential for conservation and development. This report highlights the finding of a vegetation assessment that was conducted in area that has been earmarked for development.

1.1 PROJECT DESCRIPTION

THE DEVELOPER PROPOSES TO EXPAND THE CURRENT PAULPUTS SUBSTATION. THIS WILL INCLUDE:

- INSTALLATION OF A SECOND 250 MVA TRANSFORMER;
- INSTALLATION OF DOUBLE BUSBARS FOR 220 AND 132 KV YARDS;
- INSTALLATION OF A NEW BUS COUPLE BAY;
- EXTENSION OF THE 220KV YARD BY 73 M FROM THE EXISTING ESKOM BOUNDARY TO THE SOUTH OF THE SUBSTATION; AND
- EXTENSION OF THE EASTERN PART OF THE SUBSTATION BY 41.5 M (WITHIN THE ESKOM BOUNDARY FENCE).

1.2 TERMS OF REFERENCE

THE TERMS OF REFERENCE FOR THIS ASSESSMENT WERE AS FOLLOWS:

- To provide a vegetation survey, including plants species list of each community and alien invasive species;
- To provide a Red Data plants species survey; and
- To provide an indication of the relative conservation importance and ecological function of the study site in terms of vegetation (to be incorporated into a sensitivity map).

1.3 LIMITATIONS

IN ORDER TO OBTAIN A COMPREHENSIVE UNDERSTANDING OF THE DYNAMICS OF COMMUNITIES AND THE STATUS OF ENDEMIC, RARE OR THREATENED SPECIES IN AN AREA, ECOLOGICAL STUDIES SHOULD IDEALLY BE REPLICATED OVER SEVERAL SEASONS AND OVER A NUMBER OF YEARS. HOWEVER, DUE TO TIME CONSTRAINTS SUCH LONG-TERM STUDIES ARE NOT FEASIBLE. CONSEQUENTLY, THE RESULTS OF THIS REPORT ARE BASED ON DATA AND OBSERVATION COLLECTED DURING A ONE-DAY FIELD SURVEY, A LITERATURE REVIEW AND EXPERIENCE GAINED BY THE AUTHOR THROUGH INVESTIGATIONS OF OTHER AREAS SIMILAR TO THE STUDY AREA IN QUESTION.

SECTION 2: BACKGROUND INFORMATION

2.1 LOCATION

The site is situated approximately 50 km north-east of Pofadder, on Portion 4 of the farm SchuitKlip No. 92, Northern Cape (Figure 1).

2.2 LAND USE

THE SITE IS CURRENTLY USED AS A SUBSTATION, BUT THE AREA SURROUNDING IT IS CURRENTLY OPEN SPACE USED FOR SHEEP FARMING.

2.3 CLIMATE

THE NORTHERN CAPE SEMI-ARID REGION CLIMATE HAS LITTLE RAINFALL (VARYING FROM 150 TO 350 MM PER YEAR WHICH OCCURS IN LATE AUTUMN). THE WEATHER CONDITIONS ARE EXTREME COLD AND FROSTY IN WINTER, AND EXTREMELY HIGH TEMPERATURES IN SUMMER. IN SUMMER THE AVERAGE MINIMUM IS 17.8°C AND AVERAGE MAXIMUM IS 34.6°C. IN WINTER THE AVERAGE MINIMUM IS 3.5°C AND AN AVERAGE MAXIMUM IS 20.6°C

2.4 REGIONAL VEGETATION

THE STUDY SITE FALLS WITHIN A REGION CLASSIFIED AS BUSHMAN ARID GRASSLAND (MUCINA AND RUTHERFORD, 2005), ORANGE RIVER NAMA KAROO (LOW AND REBELO, 1996) OR NAMAQUALAND BROKEN VELD (ACOCKS, 1988). IN PLACES, THE REGION IS VERY ROCKY AND POSSESSES A "BROKEN" TOPOGRAPHY WITH QUIVER TREE ALOE DICHOTOMA, BUSHMAN POISON TREE EUPHORBIA AVASMONTANA AND AGGENYS MILKBUSH E. GREGARIA NORMALLY ASSOCIATED WITH THE STEEP SLOPES OF THE MOUNTAINS AND HILLS OF THE AREA. ON THE PEDIMENTS, SPIKE-FLOWERED BLACK THORN ACACIA MELIFERA. THREETHORN RHIGZUM TRICHOTOMUM, SHEPARD'S TREE BOSCIA ALBITRUNCA AND STINK SHEPARD'S TREE B. FOETIDA ARE COMMON TREES AND SHRUBS, WHILE SILKY BUSHMAN GRASS STIPAGROSTIS UNIPLUMIS OFTEN DOMINATES THE PLAINS, ESPECIALLY AFTER GOOD SUMMER RAINS. THERE ARE ABUNDANT THICKETS ALONG THE BANKS OF THE ORANGE RIVER ITSELF, WITH WILD TAMARISK TAMARIX USNEOIDES, BUFFALO THORN ZIZIPHUS MUCRONATA AND CAMEL THORN ACACIA ERIOLOBA COMMON ALONG THE DRY RIVER BEDS OF THE TRIBUTARIES AS WELL (LOW AND REBELO, 1996).

THE COMPLEX GEOLOGY AND BROKEN, ROCKY TERRAIN RESULT IN A LARGE NUMBER OF DISTINCT VEGETATION COMMUNITIES WITHIN THIS REGIONAL VEGETATION TYPE. THIS TYPE TENDS TO OCCUR ON THE GRANITE-DERIVED SOILS RATHER THAN THE SHALE-DERIVED, CLAYEY SOILS OF THE OTHER NAMA KAROO TYPES. NOTHING IS KNOWN OF THE ROLE WILD ANIMALS, ESPECIALLY

NOMADIC SPECIES, PLAYED IN THE ECOLOGICAL FUNCTIONING OF THIS VEGETATION TYPE.

THE AUGRABIES FALLS NATIONAL PARK IS THE LARGEST CONSERVATION AREA WITHIN THIS REGIONAL VEGETATION TYPE. ALTHOUGH ONLY A SMALL PORTION OF THE AREA IS OFFICIAL CONSERVED, CAREFUL FARMING SHOULD PRESERVE MOST OF THE PLANT SPECIES (LOW AND REBELO, 1996).

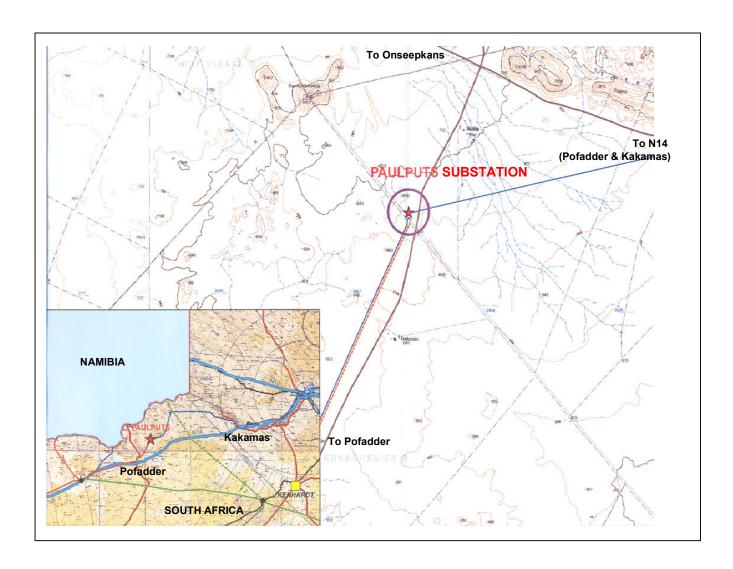


Figure 1: Locality map

SECTION 3: METHODOLOGY

The site visit took place on 25 September 2008. This is not an ideal time of year to conduct a vegetation survey as much of the flora is no longer in flower. Consequently, if the presence of sensitive habitats or sensitive species is suspected, a follow-up survey will be necessary in the summer months (November to March) to confirm or dismiss these suspicions.

The following investigations were conducted:

- With the aid of an orthophoto, preliminary ecological zones were identified. Five 10 x 10 m quadrates were sampled within each of these eco-zones, to determine the plant species composition and to assist in the delineation of different vegetation categories.
- Stratified line transects were walked over the entire study area, to:
 - identify additional plant species;
 - search for alien/exotic plants species; and
 - to search for Red Data species.

Based on all of the above findings, the ecological sensitivity of the study area was determined. This sensitivity was quantified by assessing the ecological function and conservation importance of the different ecological zones. These were defined as follows:

<u>High ecological function:</u> Sensitive ecosystems with either low inherent resistance or resilience towards disturbance factors or highly dynamic systems considered to be stable and important for the maintenance of ecosystems integrity and offering ecosystem services (e.g. large pristine grasslands, wetlands and ridge systems).

<u>Medium ecological function:</u> Relatively important ecosystems at gradients of intermediate disturbances. An area may also be considered to be of medium ecological function if it is directly adjacent to sensitive/pristine ecosystem.

<u>Low ecological function:</u> Degraded and highly disturbed systems with no ecological function.

<u>High conservation importance</u>: Ecosystems with high species richness and usually provide suitable habitat for a number of threatened species. Usually termed 'no-go' areas and unsuitable for development, and should be protected.

<u>Medium conservation importance:</u> Ecosystems with intermediate levels of species diversity without any threatened species. Low-density development may be allowed, provided the current species diversity is conserved.



4.1 DESCRIPTION OF AFFECTED ENVIRONMENT

THE ENTIRE STUDY AREA WAS COVERED BY ONE VEGETATION ZONE, NAMELY DISTURBED SCHMIDTIA KALAHARIENSIS GRASSLAND (FIGURE 1). AS THE NAME SUGGESTS THE VEGETATION IS DOMINATED BY SCHMIDTIA KALAHARIENSIS. OTHER COMMON GRASSES INCLUDED STIPAGROSTIS CILIATA, CENTROPODIA GLAUCA AND ERAGROSTIS LEHMANNIANA. THE HERBACEOUS LAYER SUPPORTED SPECIES SUCH AS CITRULLUS AMNATUS, CHRYSANTHEMOIDES INCANA, CUCUMIS AFRICANUS, FELICA NAMAQUANA AND SESAMUM TRIPHYLLUM. THE TREE/SHRUB LAYER SUPPORTS SCATTERED INDIVIDUALS OF BOSCIA FOETIDA SUBSP. FOETIDA, LYCIUM BOSCIIFOLIUM AND RHIGOZUM TRICHOTOMUM.

ALL PLANTS SPECIES OBSERVED DURING THE SURVEY ARE LISTED IN TABLE 1 AND GRAPHIC DESCRIPTION OF THE STUDY AREA IS ILLUSTRATED IN PHOTO PLATE 1.



Figure 2: Vegetation Map

Table 1: Species observed within the study area

| Scientific Name | Common Name |
|----------------------------------|---------------------|
| Forbs | |
| Citrullus amnatus | Tsamma melon |
| Chrysanthemoides incana | |
| Cucumis africanus | Wild cucumber |
| Felica namaquana | |
| Sesamum triphyllum | Wild sesame |
| | |
| Grasses | |
| Aristida junciformis | Gongoni three-awn |
| | Tassel three-awn |
| Aristida congesta subsp congesta | grass |
| | Feather-top chloris |
| Chloris virgata | grass |
| Centropodia glauca | Gha grass |
| Enneapogon cenchroides | Nine-wned grass |
| Enneapogon desvauxii | Eight day grass |
| Eragrostis lehmanniana | Lehmanns love grass |
| Schmitia kalahariensis | Kalahari sour grass |
| Stipagrostis ciliata | Tall bushman grass |
| Stipagrostis obtuse | Smal bushman grass |
| | |
| Shrubs | |
| Lycium bosciifolium | |
| Rhigozum trichotomum | Three awn |
| | |
| Trees | |
| Boscia foetida subsp. foetida | Stink bush |

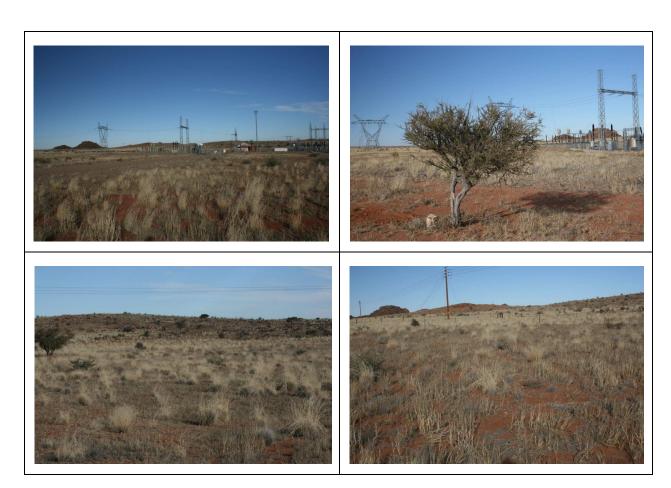


PHOTO PLATE 1: THE DISTURBED SCHMIDTIA KALAHARIENSIS GRASSLAND OCCURRING WITHIN THE STUDY AREA

4.2 RED DATA PLANTS

COMPARED WITH OTHER REGIONS IN SOUTHERN AFRICA THE KALAHARI HAS THE LOWEST SPECIES/AREA RATIO OF ALL REGIONS AND IS FLORISTICALLY REGARDED AS RELATIVELY DEPAUPERATE (VAN ROOYEN, 2001). THERE ARE ALSO VERY FEW ENDEMIC SPECIES, WITH LESS THAN 3 % OF THE TOTAL NUMBER OF PLANT SPECIES CONSIDERED TO BE ENDEMIC TO THE SOUTHERN KALAHARI. THE KALAHARI IS THEREFORE NOT A 'HOT SPOT' IN TERMS OF PLANT SPECIES RICHNESS OR ENDEMISM. DESPITE A LOW DIVERSITY, DESERT COMMUNITIES, AND SEMI-ARID AREAS SUCH AS THE KALAHARI, ARE IMPORTANT IN THE GLOBAL EFFORT TO CONSERVE DIVERSITY (VAN ROOYEN, 2001).

THE FOLLOWING SPECIES ARE LISTED IN THE RED DATA LIST OF SOUTHERN AFRICA PLANTS (HILTON-TAYLOR, 1996), AND ARE KNOWN TO OCCUR WITHIN THE KALAHARI.

• Adenia repanda

- Adenium olefolium
- Gethylis spiralis
- Harpagophytum procumbens subsp. procumbens
- Helichrysum micropoides
- Hoodia gordonii
- Orbeopsis knobelii
- Stapelia barklyi
- Tridentia marientalensis subsp. marientalensis

NO RED DATA PLANT SPECIES WERE OBSERVED ON SITE, AND DUE TO THE PREVIOUS DISTURBANCE WITHIN THE STUDY AREA IT IS UNLIKELY THAT ANY OF THESE SPECIES OCCUR ON SITE.

4.3 PROTECTED PLANTS

NO PROTECTED PLANT SPECIES WERE OBSERVED ON SITE. THE LIKELIHOOD OF SUCH SPECIES OCCURRING ON THE SITE IS CONSIDERED TO BE LOW

4.4 DECLARED WEEDS AND INVADER PLANTS

CONCERN IS GROWING OVER THE WAY IN WHICH ALIEN/EXOTIC PLANTS ARE INVADING LARGE AREAS WITHIN SOUTH AFRICA. INVASIVE SPECIES ARE A MAJOR THREAT TO THE ECOLOGICAL FUNCTIONING OF NATURAL SYSTEMS AS WELL AS THE PRODUCTIVE USE OF THE LAND, AND SHOULD IDEALLY BE REMOVED IF THEY ARE SERVING NO ECOLOGICAL FUNCTION. HOWEVER, FORTUNATELY NO INVASIVE ALIEN PLANT SPECIES WERE OBSERVED WITHIN THE STUDY AREA.

SECTION 5: ECOLOGICAL SENSITIVITY

The Schmidtia kalahariensis Grassland appears to have been exposed to disturbance. This is probably related to construction activities at the time of when the existing substation was being built. The species diversity is low and primarily supports pioneer species. No Red Data or Protected plant species were observed, and the likelihood of such species occurring within the study area is very low. The area does however still function as a grassland and is likely to support small faunal species such as birds and rodents. This vegetation category has been classified as being of *low Ecological Function* and *low Conservation Importance*.

A sensitivity map that visually illustrates the sensitivity of the site is displayed in Figure 3.



Figure 3: Sensitivity Map

SECTION 6: IDENTIFICATION OF RISK SOURCES

Table 2 and Table 3 summarises the main risk sources associated with the proposed development.

Table 2: Risks during construction phase

| Possible Risks | Source of the risk | Site to be |
|----------------------------|-------------------------|---------------|
| | | affected |
| Loss of natural vegetation | Construction activities | Development |
| | | footprint |
| Erosion | Construction activities | Development |
| | | footprint |
| Dust | Construction activities | Development |
| | Movement of vehicles | footprint |
| | merenien er remeiee | Access routes |

Table 3: Risks during operation phase

| Possible Risks | Source of the risk | Site to be |
|-------------------|--------------------------|-------------|
| | | affected |
| Increased run-off | Non-permeable surfaces | Development |
| | (e.g. roads & buildings) | footprint |

7.1 CONSTRUCTION PHASE

7.1.1 Loss of natural vegetation

| luunaat | A | Fortered | Duration Intonsi | Dometica | Intensity | Probability | Significance | | Confidence |
|----------------------------|---|----------|------------------|-----------|------------------|----------------|--------------|------------|------------|
| Impact | Area | Extent | Duration | Intensity | of occurrence | WOMM | WMM | Confidence | |
| Loss of natural vegetation | Development footprint & nearby surrounds | Local | Permanent | High | Definite | Medium- Low | Low | High | |

WOMM – without mitigation measures WMM – with mitigation measures

NATURAL VEGETATION WILL BE DESTROYED BY THE MOVEMENT OF VEHICLES, MOVEMENT OF THE WORK FORCE AND THROUGH THE CONSTRUCTION OF PERMANENT STRUCTURES. IN ORDER TO MINIMISE THIS, IT IS SUGGESTED THAT THE DEVELOPMENT FOOTPRINT BE DEMARCATED AND THE DESTRUCTION OF VEGETATION BE LIMITED TO THESE AREAS.

THE SIGNIFICANCE OF THIS IMPACT IS CONSIDERED TO BE MEDIUM TO LOW, HOWEVER IF MITIGATED CORRECTLY IT WILL BE OF LOW SIGNIFICANCE.

7.1.2 Erosion

| lmmaat | A | Fortent | Duration | Intensity | Probability | Significance | | Confidence |
|---------|---|------------------|------------|-----------|------------------|--------------|-----|------------|
| Impact | Area | Extent | Duration | Intensity | of occurrence | WOMM | WMM | Confidence |
| Erosion | Development footprint & nearby surrounds | Site specific | Short term | High | Probable | Low | - | High |

WOMM – without mitigation measures WMM – with mitigation measures

EROSION MAY TAKE PLACE WHEN VEGETATION IS REMOVED AND THE TOP SOIL IS EXPOSED, WHICH IS THEN MORE SUSCEPTIABLE TO EROSION DURING RAINFALL EVENTS AND FROM STRONG WINDS. SIMILARLY, TRAMPLING OF VEGETATION BY THE CONTINUAL MOVEMENT OF VEHICLES AND PEOPLE MAY ALSO LEAD TO THE REMOVAL OF VEGETATION AND EXPOSURE OF THE TOP SOIL. FORTUNATELY DUE TO THE LOW RAINFALL IN THE AREA, THE CHANCES OF EROSION ARE GREATLY MINIMISED, HOWEVER CARE SHOULD STILL BE TAKEN TO AVOID SUCH EROSION. IT IS RECOMMENDED THAT THE REMOVAL OF VEGETATION BE KEPT TO A MINIMUM, AND ALL CLEARED AREAS ARE REVEGETATION WITH LOCAL PLANT GRASS SPECIES AS SOON AS

PRACTICALLY POSSIBLE. THE RE-USE OF EXCAVATED TOP-SOIL WILL ASSIST IN THE REGENERATION OF INDIGENOUS SPECIES, AS THE TOPSOIL IS LIKELY TO CONTAIN VIABLE SEED BANKS AND GEOPHYTES.

THE SIGNIFICANCE OF THIS IMPACT IS CONSIDERED TO BE LOW, HOWEVER IF MITIGATED CORRECTLY IT WILL BE OF ALMOST NEGLIGIBLE.

7.1.3 **Dust**

| lmnaat | Avec | Extent | Donation | Probability Significance | | Intensity | Confidence | | | |
|--------|---|--------|----------|--------------------------|-----------|-----------|------------|-----------|---------------|------|
| Impact | Area | | | Duration | intensity | | intensity | intensity | of occurrence | WOMM |
| Dust | Development footprint & nearby surrounds | Local | Short | Low | Probable | Low | Low | High | | |

WOMM – without mitigation measures WMM – with mitigation measures

THE MOVEMENT OF CONSTRUCTION VEHICLES AND THE BUILDING ACTIVITIES IS LIKELY TO CREATE DUST. THIS DUST WILL SETTLE ON PLANTS, AND MAY IMPAIR THEIR PHOTOSYNTHESIS ABILITIES. IT IS THEREFORE SUGGESTED THAT IF PRACTICALLY POSSIBLE ROAD AND EXPOSED SURFACES SHOULD BE KEPT MOIST TO MINIMISE DUST POLLUTION.

THE IMPACT IS ANTICIPATED TO BE LOW

7.2 OPERATIONAL PHASE

7.2.1 Increased run-off

| lmm a a t | A | Fortered | Donation In | Intonoity | Probability | | icance | Confidence |
|-----------------------|--|------------------|-------------|-----------|------------------|--------|--------|------------|
| Impact | Area | Extent | Duration | Intensity | of occurrence | WOMM | WMM | Confidence |
| Increased run- off | Area containing hardened surfaces | Site specific | Permanent | High | Definite | Medium | Low | High |

WOMM – without mitigation measures WMM – with mitigation measures

THE DEVELOPMENT WILL REDUCE THE AMOUNT OF VEGETATION THAT CURRENTLY ACTS AS A SOAK-AWAY DURING AND AFTER RAINFALL EVENTS. THIS REDUCTION IN VEGETATION AND THE INCREASE IN NON-PERMEABLE SURFACES (E.G. ROADS, CONCRETE SURFACE) WILL RESULT IN INCREASED RUN-OFF VELOCITIES, WHICH WILL INCREASE THE

TRANSPORTATION OF SEDIMENTS. THIS MAY ULTIMATELY RESULT IN EROSION WHICH WILL BE OF MEDIUM SIGNIFICANCE. IT IS THEREFORE RECOMMENDED THAT WHERE POSSIBLE, PERMEABLE SURFACES SHOULD BE USED TO ALLOW FOR THE INFILTRATION OF WATER. FOR EXAMPLE BRICK PAVEMENTS AND ARMOURTEX ARE MORE BENEFICIAL THAN TARRED SURFACES. ALL STORM WATER RUN-OFF SHOULD ALSO BE CHANNELLED IN SUCH A MANNER THAT IT DOES NOT CAUSE EROSION WHEN IT COMES INTO CONTACT WITH THE GROUND OR NATURAL AREAS.

SECTION 8: CONCLUSION

The entire study area was classified as being Disturbed *Schmidtia kalahariensis* Grassland. The overall plant species diversity was low and No Red Data plant species or Protected Plants species were observed on site, nor is any suitable habitat present. Consequently, the area has been classified as being of *low* Ecological Function and *low* Conservation Importance.

Construction is likely to result in the loss of natural vegetation, erosion and dust, however if mitigated corrected these impact will be low. During the operation phase, the increase in hardened surfaces may lead to an increase in surface run-off velocities which may result in erosion. Once again, if mitigated correctly these impacts will be low.

SECTION 9: GLOSSARY

Alien species: Plant taxa in a given area, whose presence there, is due to the

intentional or accidental introduction as a result of human

activity

Biodiversity: Biodiversity is the variability among living organisms from all

sources including inter alia terrestrial, marine and other aquatic ecosystems and ecological complexes of which they are part; this includes diversity within species, between species and of

ecosystems.

Conservation: The management of the biosphere so that it may yield the

greatest sustainable benefit to present generations while maintaining its potential to meet the needs and aspirations of future generations. The wise use of natural resources to prevent

loss of ecosystem function and integrity.

Ecosystem: Organisms together with their abiotic environment, forming an

interacting system, inhabiting an identifiable space.

Ecosystem services: Activities that help to maintain an ecosystem but are not

directly part of energy flows and nutrient cycles. Examples include pollination, dispersal, population regulation, provision of clean water and the maintenance of liveable climates (carbon

sequestration).

Forb: A herbaceous plant other than grasses

Habitat: Type of environment in which a plant or animal lives.

Indigenous: Any species of plant, shrub or tree that occurs naturally in

South Africa

Invasive species: Naturalised alien plants that have the ability to reproduce, often

in large numbers. Aggressive invaders can spread and invade

large areas

Red Data: A list of species, fauna and flora that require environmental

protection. Based on the IUCN definitions.

Soil: A mixture of organic and inorganic substances, the composition

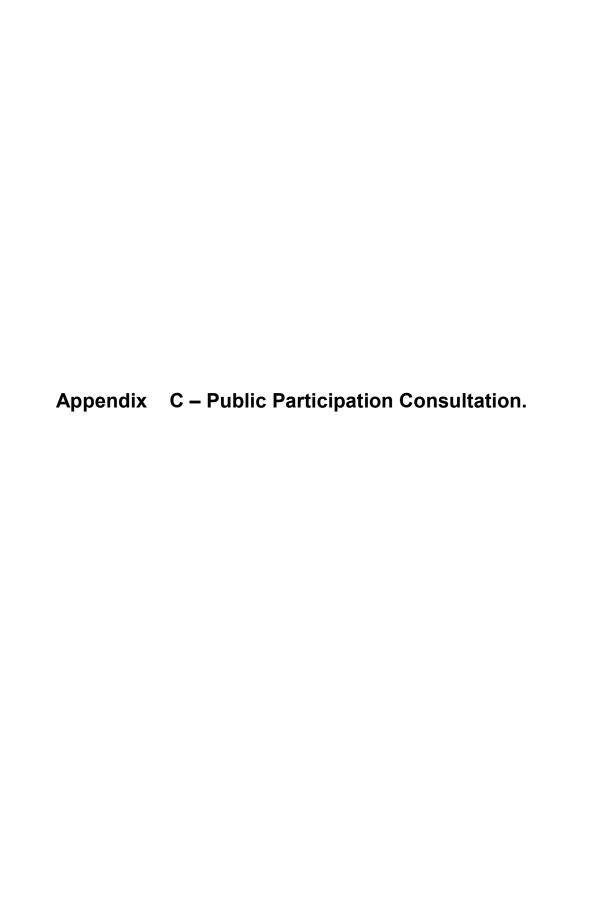
and structure of the latter is derived from the parent rock material. Soil also contains bacteria, fungi, viruses and micro-

arthropods, nematodes and worms.

Species diversity: A measure of the number and relative abundance of species

(see biodiversity).

Species richness: The number of species in an area or habitat.





Appendix C1 - Proof of site notice

NOTICE OF ENVIRONMENTAL IMPACT ASSESSMENT PROCESS.

Notice is hereby given in terms of the Environmental Impact Assessment Regulations, 2006, Regulation 56 made under Section 24 (5) of the National Environmental Management Act, 1998 (Act No 107 of 1998), as amended and published in Government Notice No. R.385 of 2006.

Activity : Extension of Paulputs Substation (Installation of a

second 220/132 kV, 250MVA transformer)

(An application was made for an Environmental Impact Assessment was made to the Department of Environmental affairs and Tourism in order to obtain authorization for the above mentioned project (DEAT reference

number 12/12/20/1239)

Locations : The substation upgrade will take place on the farm

Schuitklip 92 Portion 4

Motivation : The proposed upgrade is implemented to create a firm

transformer capacity at paulputs substation, which is part of the Namaqualand Customer Load Network (CLN). Presently the substation has only one 220/132KV transformer and as part of this project, a second

transformer will be installed.

Proponent : Eskom Holdings Limited

Consultant : Calvin Mawelela / Jojo Mmakwa

ENKANYINI PROJECTS (012) 440 8830 or 0721749171 P.O Box 4983, The Reeds, 0158

E-mail: calvin@enkanyiniprojects.co.za

Public Open Day : 18 September 2008

Time : 17:00

Venue : Pofadder Community Hall

Date of publication of notice: 3 September 2008

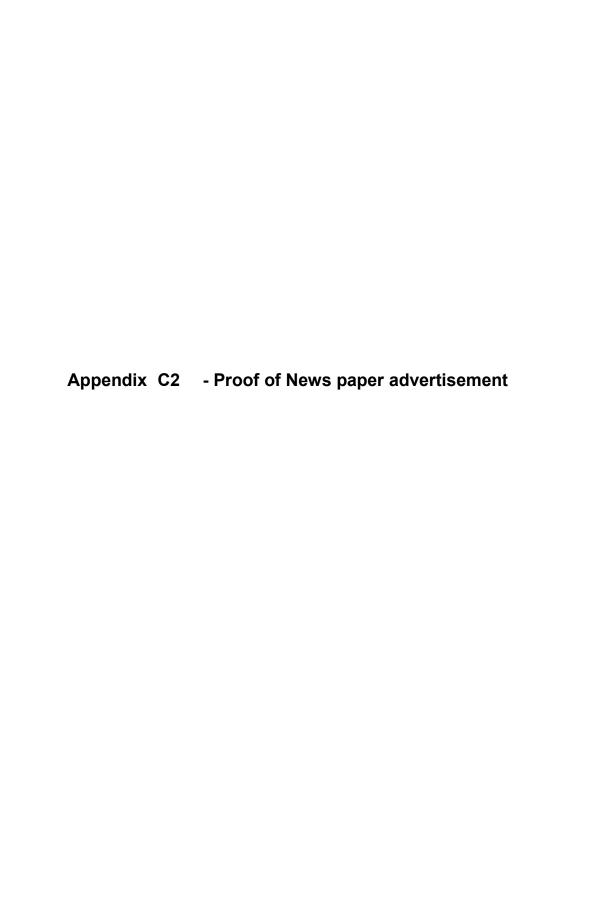
In order to ensure that you are identified as interested and / or affected party, please submit your name, contact information and interest in the matter to Enkanyini Projects(Calvin Mawelela / Jojo Mmakwa on 012 440 8830 or 072 174 9171) within 30 days of publication of this advertisement.











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vil spirits. Come and ana for 5-ecial water To get the ce. Binding be yours nore, PAY DONE.

E & NGOMA R CHECK

r home: emies & to love a baby; nent (2 pola & Det a job Delivery ace done er the 203 DR JHB.

2199 Pretoria Room 402 Karlking B/d 262 Vermuluen Str Also available @ Joburg. Kempton Park, Germiston & Rustenburg

BABA MALUWA

your passion HE IS A SPECIALIST IN: * Return lost lover to you forever 3 days; * Breaking forever 3 days; *Breaking someones marriages through Chisamya only 24 hrs: *Remove enemies at work: *Return back stolen propertiesGet good job & promotion. to be liked at work. Vaginal tightening & pregnancy, finish unfinished jobs through 100% tested multi& short boys to bring money. chase away tokoloshes etc. Market & Delvers JHB Delvers JHB Call 071-9227-590

Cell 079 098 8040 Cell 079 0y9 80490
Prof Nsube & Mama Jowe
We tell you your problems
before you tell us.
*Bring back lost lovers
*Penis problems
*Power to love you n
*Pregnancy problem
*Financial problems
*Remove tokoloshe
*Get a job/court cases
*Family problems & many *Family problems & many more.Pay after the job is done.Delivery by speed

mail. Roodepoort
Absa bank bldg.2nd flr.rm
211.plot64 next to
Kagisano Financia services.079 098 8040

1 ABORTIONS From

R80 SOWETO 079-266-0780 **IOHANNESBURG** 076-556-2549 ner Bree & Delvers ALEXANDRA 076-211-8744 Alexsan Kapano Stadium cnr Selbone st & 12th Ave

THEMBISA: 079-548-4939

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King Allima

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Billali.My muti works the same day sametime 100% guaranteed.Penis enlargement M.L.X.L.XX. You can see results in 5min using Chipalasya 100% Guaranteed *Bring back lost lover man & women no matter how far. You can get a call in my office in 5mintes. Help you get rich using magic stick.short girls. Amagudwene, magic wallet, come & borrow for free. lucky charm. court cases. chikupi to bring money in your account. 073-257-0128 Market

073-257-0128 Market cnr Von Weilligh Str JHB

Herbalist Mama

Herbalist Mama
Marriam. My mutt is the
answer to the ffg:
Help people to be rich by
"Boosting magic
stick, short boys &
amagundwane for money
problems." Blinding your
business, cars, homes etc.
"Clensing homes, business
for luck *Bring back lost
lovers same time." Court
cases, good grades at school
"Marriage settlements.
Solve family problems. New
new cyto penis cream for
enlargement, thick erection.
Find him @ cnr Market &
Von Brandis JHB Regent

think about you every mo-ment. Sibiza imali. Amagundar that will bring money in you account or in your house. Ge job and promotion and get more calnage when you buy fe less more. Main And Eloff street. Near Gandi Square 073 952 4166 Pay After The Job Is Done

BABA CHILIPA

BABA CHILIPA
Penis enlargement
3days. Bring back lost lover
2dhrs. Do you want to be
rich? More money in your
to be lich? More money in your
to boys. Magi
stick. Sendawana oil. Help
to get more change when
you buy. Bring back stolen
goods. Finish unfinisghed
jobs. Magic Lv. Get good
grades @ school. Liphili oil
& Kafinyo powder. PAY
AFTER THE, JOB IS
DONE! Visit Plain cnr
Wanderes JHB or call:
071-113-5005

071-113-5005

GOGO MAUDA 071 933 3321
It's about time stop crying, Baba
Mtila the herbalist is here to
solve all your unfinished
problems. I solve problems like
Bringing back lost lover. To
make your lover love you more.

To make your marrjage stronger. To bind your loved me not to cheat. To bring back stolen goods and people that disappear long time ago. Get

GOGO MULI & GOGO CHIRWA

HERBALIST The HERBALIST The greatest old doctors have combined to solve & defeat all your problems with 100% guarantee even other doctors have tried their best but failed. Specialist in:

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KING YUSUF

KING YUSUF

**Ring back your lost lover

**Abafana ba semoyeni

Any Sexual problems like
early ejaculations

**He can make you rich in
30min only by using yakali
shortboys. **Amangudwane,
real magic **Sendawanwa
oll which help you bring in
your house **Buy and get
more change **Get married

**Chase away tokolosh

**He also finish unfished
jobs. Pay after is done.

**Penis enlargement

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Herbalist.
Get back lost lover in 3hrs
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in Briefcase within
30minutes, Penis
enlargement in 2hrs
Magic stick to bring money
house. Amagundwani to
ake you rich. Get paid twice
your salary. He also finishes
unfinished jobs using
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be postede / delivered or
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KING MFITI MALANGO

MALANGO
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Announcing new herbalist
who has just arrived is here
to help. Medicine works
same day. He specializes
in: Penis enlarge in 3hrs,
bring back lost lover, stolen
property, revenge evil
spirits, financial problems,
borrow amagundwana for 5
days & be rich, special water to remove bad luck, get
partner of choice, bind
lover, & more. Pay after job
done. Market & Von
Weilligh. JHB

KING MUSHARAF

Must be King Mushaff Stop crying about your problems Bring back lost love in 18

* Bring back lost love in 18 min. even phone you.

* Enlargements up to 25 cm in 20 min.

* Financial problems get risible way

* By using magic stick Amagundwani for money from underground.

* Lucky charms for lotto cassino promotion.

* Pregnancy problem Call 083 979 8089 Commisioner & V Brandis JHB

KING RUBBAHIN

KING RUBBAHIN
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*Bring back lost lover in
15 min no matter how
many yrs *Penis
enlargement M. L. XL.
XXL. you will see the
results in 10 minutes
minutes. *Financial
problems, come and borrow
magic stick and
Amagundwane for 2 days.
*I am challenging any
problem and finish your job
same day. 158 Market Str.
cnr Von Wielligh Str.

GOGO MWENYE KAWULUNGA

KAWULUNGA
Herbalist who has arrived
to bring back lost lover
Court cases.Bring back
stolen goods.Promotion at
work Enlargement make it
bigger in 21hrs. Thicker &
stronger permanently in
just 3 hrs. Get more change
when yu buy. Bindling your
house & business
premises. Financial
problems & many
more. Stop divorce. Get rich
in 2 hrs. He will finish
unfinished jobs 100% Mail
order available. Vist him@
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LOVE MUTHI 24 hrs result!!!

For only R200

To bring back your lost lover
Strengthen your relationship
For marriage problems
Make him or her love you alone forever.

For only **R200**Mail orders accente Mail orders accepted Find **BWOGI** on Cnr Bosman & Schoeman PTA 079-766-9577

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Is back with special offer R150. Bring back lost lover in 45 min & they will be

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*Penis enlargement
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*Win lotto/casino/horse
racing (pay after win)
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money
*Hire short boys to bring

money
*Double salary
*Business boosting
*H.I.V herbs & all skin
diseases & more.
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NGANGA NGUMMNGUNDE
HERBALIST & OLD MAN
because all ure muti are 100½
guaranteed, if you have been
disappointed somewhere don't
delay but come to us now. We
are experts in: House of business
bindings Revenge to enemies in
in 48 hrs; Penis enlargement in
in 48 hrs; Penis enlargement in
in 48 hrs; Penis enlargement of
the state of the state of the state
drams; Bring back stolen
property; Hire magie stick,
amagundwane or snake to bring
amagundyane or snake to bring
running out of cash please call
the professionals at:

079-835-5168

PROF ZAIDI Tes uti 100% I can tel you, our problems before you tell me.*Bring back lost lover*Penis

*To get job quickly *Magic stick*Financial problems, Tokoloshe*Bring back stolen prop *Ly*Excellent grades af ol*Promotion at the All people with problems come for help!

Pay after the job is

done. Delivery by speed mail. 77 Twist & De villiers Str. 3RD Flr. room 302 JHB.073-159-2212

Professor Kaddu & Mama Tendo

**Specialist in: **Bring back lost lover **Prevent your partner form cheating. **Help you get married quickly. **Win Court cases & pass exams. **Get a job quickly or a promotion at work **Protection of your property & chase away

tokoloshe.Pay after the job is done

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No Effect Call Jabu: 079-790-7040 Penis enlargement Penis enlargement Strong erection or more rounds from R180 Van der Walt & Schoeman Street PTA Central

Professor Mubarak Change your life better living all jobs are guarantee *Lost lover only

llving all jobs are guarantee

*Lost lover only
25min. Enlargement only
35min. Get rich through
invisible way using Ngama.
Magic stick. Rats, Ground
money. Lucky charm for
lotto. casino solving court
cases. Bring back stolen
property. Make your partner
to love you. Unfinished
money jobs. Promotion
@work. attraction *Job
opportunity. It is your faith
& belief that will motivate
everything. Call: O72 847
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Van Wallibe

12 OFFICIAL/ PUBLIC NOTICES

NOTICE: EXHUMATION AND REBURIAL OF HUMAN REMAINS

Grave
Solutions (Pty) Ltd and Twala Ama Afrika erms
of the Human Tissues Act (Act No. 65 of

as amended); The Removal of Graves and
Dead Bodies Ordinance (Ord. No. 7 of 1925)
The Exhumations Ordinance (Ord. No. 12 of 1935)
The Exhumations Ordinance (Ord. No. 12 of 1980); and Section 35 and 36 of the Nationa
Heritage Resources Act (Act 25 of 1999) as well as the relevant local regulations to the North West Provincial Administration and

North West Provincial Administration and South African Heritage Resources Agency (SAHRA) for approval to exhume and re-inter in a local cemetary the remains of 220 movivious buried at the following fostions: Agency of the Agen

on which they are currently situated. All persons and communities descendant from the buried 'midviduals as well as all persons and communities by tradition concerned with the

graves are invited to partake in the process

356.4.

Toftusdal, 0134, Tal: 086 111 4771, Fax: 086 155 8077, E-mail: info@gravesoutions.co.za; or Mr. Linda Twala, Twala Arma Afrika Funeral Directors or Erl No: 011 887 695. The 220 graves will be affected.

All persons and communities descendant from



LICENCE

e. Full address and location of the premises: 362 TSHEPO SECTION TEMBISA 1632

5. Type of Beauty

GAUTENG LIQUOR ACT, 2 OF 2003
NOTICE OF APPLICATION IN TERMS
OF SECTION 24
Notice is been been seen to be seen that it is the intention of our own when details are set out before the secretary of the local committee of Germiston

AMALISA
L Intended Trading Name: MORITING
FAVERN
L Identits

\$201085463089
Full address and location of the promises; 8666 MOLELEKI EXTENSION KATLEHONG, 1431
Type of licence applied for: TAVERN ICENSION

I. VALLEHONG, 1431
I. Type of licence applied for: TAVI
CICNSE
I. Name and nature of educational
nstitutions within a radius of 1 kilo
refrom the premises in paragraph
ONE (use annexure where necess
Names and distances to similar
consed premises within a radius o
Illometer from the premises in
arragraph 4: NONE (use annexure
there necessary)

where necessary) within a radius of l. kilometer from the premises in paragraph 4: NONE (use annexure where necessary). SIGNED AT ISANDO DN THIS 19 DAY OF AUGUST 2008.

GAUTENG LIQUOR ACT, 2 OF 2003
NOTICE OF APPLICATION IN TERMS
OF SECTION 24
Notice is hereby quest that it at the
minute of the person whose details
are the person whose distalls
are the

miston
1.Full name of applicant: RUBI NOR-MAN LANGLEY
2. Intended Trading Name: NORMAN TAVERN

AVERN
Identity number or Registration number of the applicant:
811116084082 no 1110044083

4. Full address and location of the premises: 663 KHUMALO STREET NDULWINI SECTION TEMBISA 1632

5. Type of licence applied for: TAVERN ICENSE

LICENSE

8. Name and nature of educational institutions with a radius of 1 kilomentulination and institution within a radius of 1 kilomentulinations within a radius of 1 kilomentulinations within a radius of 1 kilomentulinations of the radius of 1 kilomentulinations of 1 kilomentul

ON THIS 18 DAY OF JULY 2008.

GAUTEN LUDIOR ACT, 2 OF 2003

NOTICE OF PLI CACHE IN THEMS

OF SECTION 24

Notice is hereby given that it is the
intention of the person whose details

application for a Tawent Liquor Licence
to the secretary of the local committee

the secretary of the local committee

AND GENERAL SUPPLIES CO.A.

AND GENERAL SUPPLIES CO.A.

AND GENERAL SUPPLIES CO.A.

TO SECRETARY SUPPLIES CO.A.

TO SECRE

me and nature of educational ations within a radius of 1 kild institutions within a radius of 1 kilome ter from the premises in paragraph 4: NONE THAT WE KNOW OF 7. Names and distances to similar licensed premises within a radius of 1 kilometer from the premises in paragraph 4: NONE THAT WE KNOW

OF 8. Places of worship within a radius of 1 kilometer from the premises in paragraph 4: NONE THAT WE KNOW OF, SIGNED AT BRAKPAN ON THIS 31ST DAY OF AUGUST 2008.

GAUTENG LIQUOR ACT, 2 OF 2003
NOTICE OF APPLICATION IN TERMS
OF SECTION 24
Notice is hereby given that it is the
intention of the person whose details
are set out below to lodge an
application for a Taven Licence to the
secretary of the local committee of Ger-

HOUSE
3. Identity number or Registration number of the applicant: 6607270 310085.
4. Full address and location of the premises: 505 TLAMATLAMA SECTION TRMBISA, 1632
5. Type of licence applied for: TAVERN LICENSE

where necessary)

8. Places of worship within a radius of
1 kilometer from the premises in
paragraph 4: NONE (use annexure
where necessary). SIGNED AT ISANIO

ate versorging van perde. Die hoogtepunt was toe almal op lan blou kon ry en almal is dit eens: "One gaan weer!"



Jaco Kotzé as deel van die voltydse bemarkingspan.

Kontak hom gerus vir enige navrae, pryse en uitstekende diens Tel: 083 402 08713



LIMIK Slanvickiek, Popubus 25472, Does Pepd, 1462

KENNIBGOEWING: In die Speedal, viers Andries Jaccobus Burger
(dies stellschormer 240327 2500 km), viers Andries Jaccobus Burger
(dies stellschormer 240327 2500 km), viers Andries Jaccobus Burger
(dies stellschormer 240327 2500 km), viers Andries Jaccobus Burger
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(political stellschormer 240327 2500 km), viers Andries Versicher von die Meester versich in
Engelsech jewiese dauf die Ernste in Priese Liderichter in Politicationsrechen
(en Dougster) von 19 km), viers der Versichter von die Meester versichter von 19 km, viers versichter versichter von 19 km, viers versichter ver

Loans arranged by:

ASC FINANCIAL SERVICES

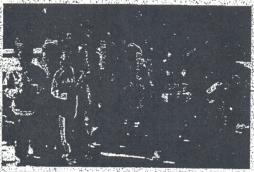
Money for Home Owners!
High Interest Rate!
High Petrol price!
High Pood prices! Cannot make ends meet! Now is the time to consolidate all debts, credit cards, etc! Improve your cash-flow and life-style now! If non-home owner, we can arrange a personal loan for you. Blacklisted clients welcome.

EXAMPLE CALCULATION BASED ON CERTAIN CRITERIA

| | 4 mart 415 MI | a obbres mid iffice |
|----------|---------------|---------------------|
| R20 000 | @ | R189 pm |
| R40 000 | @ | R379 pm |
| R60 000 | @ | R569 pm |
| R100 000 | @ | R948 pm |
| | | |

Call: 053 832 5176/053 832 4547

All E-mails to: arthur.asc@telkomsa.net





KLH VOERE UPINGTON.

Vervaardig dour Transboogoe

* AFROND *EKONO *STOET * WILDS * DROOGTE ENERGIE-LEK * PROTEIEN-LEK Beste Pryse

Nou beekikbaar te Ses Brugge. Aflewering vir grootmast, Verakar deur KLH. Kontak vir Annek 083 838 0560/054 491 1054

STORIO DE MINORIA DE PORTO DE SERVICIO DE

Notice is hereby given in terms of the Environmenta impact Assessment Regulations, 2006, Regulation 55 made under Section 24 (5) of the National Environmenta Management Act, 1986 (Act No 107, of 1988), as smervled and published in Government Notice No. R.365 of 2008.

Activity: Extansion of Paulputs Substation (installation of a second 220/132 kV, 250MVA transformer)(An application was made for an Environmental Impact Assessment was made to the Department of Epvironmental strains and Tourism in order to obtain authorization for the above mentioned project (DEAT reference number 12/12/20/1239)
Locations: The substation upgrade will take place on the farm Schuttidip 92 Portion 4
Mortistion: The proposed upgrade is implemented to create a limit transformer capacity at partiputs substation, which is part of the Namaqualand Customer Load Network (CLN), Presently the substation has only one 220/132KV transformer and as part of this project, a second transformer will be installed.

one zeur/szrx/ transformer and als part of this proje a second transformer will be installed. Proporent: Eskorn Holdings Limited Consultant: Caviv Mawelled / Jojo Minelova ENKANYNI PROJECTS (012) 440 8830 or 0721749171 P.O. Box 4983, The Reeds, 0158 E-majl: cavin@enkanykriprojects.co.za

Public Open Day : 18 September 2008 Time : 17:00 Venue: Poladder Community Hall

Date of publication of notice: 3 September 2008

Date of publication of holice: 3 September 2008 in order to a fine state of the control of the c

Gesonde tandjies vir Rakkertijes

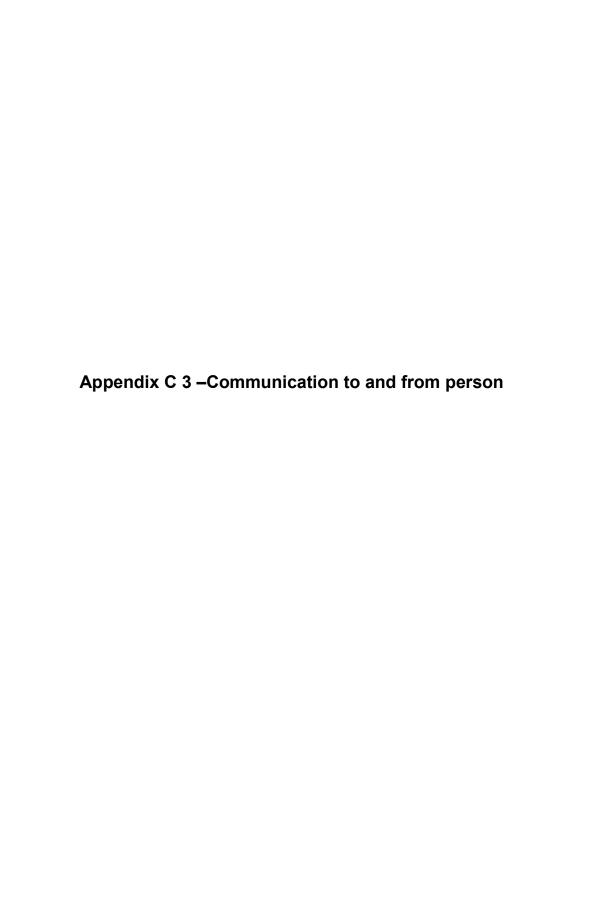
Hier staan die "Rakkers" van ACVV se Rakker Akker Kleu terskool op Leer-krans met hulle splinter nuwe tande borseltjies wat hulle ontvang het.

Sedert sy opening op 14 Julie 2008 kom die "Rakkers" nog gretig skool toe om by Juffrou Anta te leer.

NG Kerk Noord hou ete

Met ontbeende varkrib en boboue op die spyskaart, beplan NG Kerk-Noord weer n heerlike gemeenter ete op Sondag 14 September om 12:00 in die kerksaal

Die prys is baie bil-lik. Vir meer besonder-hede, skakel die kerk-kantoor by 054 332





ENKANYINI PROJECTS

P. O. Box 4983, The Reeds 0158

Tel: +27 12 440 8830

Fax: +27 12 440 8829 or 086 503 1670 Email: calvin@enkanyiniprojects.co.za

Web: www.enkanyinprojects.co.za

Name: Calvin Mawelela

Cell: 0721749171
Date: 30 July 2008
Ref: 30/07/08

Attention: Mr G Visser

Dear Sir

PAULPUTS SUBSTATION EXTENSION, REFFERENCE NUMBER 12/12/20/1239

Enkanyini Projects has been appointed by Eskom Holdings Limited to conduct an Environmental Impact Assessment (EIA) for the extension of the Paulputs substation (Schuitklip 92 portion 4) to accommodate the second 220/132KV 250 MVA transformer. As part of the EIA process we are required to consult with the public of which the purpose is the following:

- 1. To inform the public about the proposed projects.
- 2. To provide the community in general (interested and affected) an opportunity to comment or raise any concern or recommendation regarding the proposed project.
- 3. To provide interested and affected parties with an opportunity to forward comments/opinions/suggestion and ways of avoiding/reducing or mitigating negative impacts associated with an activity in order to enhancing positive impacts.

In terms of the National Environmental Management Act we are required to consult with stakeholder, authorities and the community in general within the affected area. As per

| telephonically conversation regarding the scheduled public open day I would like to confirm that the date is the 18th of September 2008 in the Pofadder Community Hall at 17H00. We will appreciate your presence in the public open day if it is possible. |
|---|
| Please should there be any questions, do not hesitate to contact us on the above numbers. |
| Sincerely |
| Calvin Mawelela |



ENKANYINI PROJECTS

P. O. Box 4983, The Reeds 0158

Tel: +27 12 440 8830

Fax: +27 12 440 8829 or 086 503 1670 Email: calvin@enkanyiniprojects.co.za

Web: www.enkanyinprojects.co.za

Name: Calvin Mawelela Cell: 0721749171 Date: 30 July 2008 Ref: 30/07/2008

Attention: Mr L.D Beukes

Municipal Manager

Khaima Local Municipality

Dear Sir

PAULPUTS SUBSTATION EXTENSION, REFFERENCE NUMBER 12/12/20/1239

Enkanyini Projects has been appointed by Eskom Holding Limited to conduct an Environmental Impact Assessment (EIA) for the extension of the Paulputs substation to accommodate the second 220/132KV 250 MVA transformer. As part of the EIA process we are required to consult with the public of which the purpose is the following:

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In terms of the National Environmental Management Act we are required to consult with land owners, stakeholder, authorities and the community in general within the proposed

| development area. We have intention to conduct the public open day on the 18 th of September 2008 in the Pofadder Community Hall at 17H00. We will appreciate your presence in the public open day if it is possible. |
|--|
| Please should there be any questions, do not hesitate to contact us on the above numbers. |
| Sincerely |
| Calvin Mawelela |
| Carvin Mawcicia |



ENKANYINI PROJECTS

P. O. Box 4983, The Reeds 0158

Tel: +27 12 440 8830

Fax: +27 12 440 8829 or 086 503 1670 Email: calvin@enkanyiniprojects.co.za

Web: www.enkanyinprojects.co.za

Name: Calvin Mawelela Cell: 0721749171 Date: 09 September 2008

Ref: 09/09/2008

Attention: Secretary, Mr Jacob

Pofadder Landbou Vereenige

Dear Sir

PAULPUTS SUBSTATION EXTENSION, REFFERENCE NUMBER 12/12/20/1239

Enkanyini Projects has been appointed by Eskom Holdings Limited to conduct an Environmental Impact Assessment (EIA) for the extension of the Paulputs substation (Schuitklip 92 portion 4) to accommodate the second 220/132KV 250 MVA transformer. As part of the EIA process we are required to consult with the public of which the purpose is the following:

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|--|
| Please should there be any questions, do not hesitate to contact us on the above numbers. |
| Sincerely |
| |
| Calvin Mawelela |







PAULPUTS SUBSTATION UPGRADE EIA REFFERENCE NUMBER 12/12/20/1349

PUBLIC PARTICIPATION HELD ON THE 18/09/2008 AT 17H00 MINUTES

| Project | PAULPUTS SUBSTATION UPGRADE |
|---------|-----------------------------|
| Date | 18 September 2008 |
| Time | 17h00 |
| Venue | Pofadder Community Hall |

AGENDA

- 1. OPENING
- 2. WELCOME
- 3. ATTENDANCE REGISTER AND APPOLOGIES
- 4. PRESENTATION
 - 4.1 ESKOM PRESENTATION
 - 4.2 ENKANYINI PROJECT PRESENTATION
- 5. QUESTIONS AND COMMENTS
- 6. CLOSING REMAKS
- 7. CLOSURE

| Item | Description | Action |
|------|--|--------|
| 1. | OPENING | |
| | Mr T Bezuidenhoud introduced himself and then afterwards offficially opened the meeting | |
| 2. | WELCOME | |
| | | |
| | Mr. T.Bezuidenhoud welcomed everyone | |
| 3. | ATTENDANCE REGISTER AND APOLOGIES | |
| | The local council forwaded an appology and the Khaima Municipal Maneger. | |
| | The representative from DEAT also forwaded an appology. | |
| 4. | PRESENTATION | |
| 4.1 | ESKOM PRESENTATION | |
| | Ms. L Chauke started the presentation by introducing Eskom delagetes that were present in the public participation and went on explaining the types of impacts associated with substation establishment. | |
| 4.2 | ENKANYINI PROJECTS PRESENTATION | |
| | Mr. T Maluka presented the project, explaining the purpose and the intepretation of Pauputs substation. He continued by explaining the EIA process, public participation, how to register as an Interested and Affected Party. | |
| 5. | QUESTIONS AND COMMENT | |
| | Mr. C Mawelela facilitated this sesion of the meeting. Mr. T.Bezuidenhoud asked a question as to when will the draft scoping report be made available. It was agreed that it will be made available by the second week of September 2008. Mr.T.Bezuidenhoud requested that small miners association should be contacted and local associations. Mr.T.Bezuidenhoud made a commitment that he will ensure that they are registered and interested and affected | |
| 6. | CLOSING REMARKS | |
| | | |
| | Mr.C.Mawelela in his closing remarks he encouraged the attendats to continue suporting such events and requested them to | |

| | access the draft scoping report. | |
|----|-----------------------------------|--|
| | | |
| 7. | CLOSURE | |
| | | |
| | The meeting was officially closed | |
| | | |





CONTRACT NO: 4500067400 PAULPUTS SUBSTATION UPGRADE

AGENDA

- 1. INTRODUCTION & WELCOME
- 2. APOLOGIES
- 3. APPROVAL OF PREVIOUS MINUTES
- 4. PROGRESS REPORTS FROM THE PROJECT LEADER
- 5. SCOPE OF WORK
- 6. WATER AND VISUAL SPECIALIST
- 7. GEOLOGY SPECIALIST
- 8. GENERAL
- 9. NEXT MEETING





CONTRACT NO: 4500067400 PAULPUTS SUBSTATION UPGRADE

ATTENDENCE REGISTER MEETING 2: 24 JULY 2008 AT 09H00

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CONTRACT NO: 4500067400 PAULPUTS SUBSTATION UPGRADE

INTRODUCTION MEETING NO.2 HELD ON THE 25/07/2008 AT 12H00

MINUTES____

| Project | PAULPUTS SUBSTATION UPGRADE |
|---------|-----------------------------|
| Date | 25 July 2008 |
| Time | 12h00 |
| Venue | Paulpit |

| Name | Firm | Telephone | Email address | Cell |
|------------|-----------|--------------|--------------------------------|--------------|
| Present | | | | |
| Calvin | Enkanyini | 012 440 8830 | calvin@enkanyiniprojects.co.za | 072 174 9171 |
| Mawelela | Projects | | | |
| Tsepo | Enkanyini | 012 440 8830 | tsepo@enkanyiniprojects.co.za | 079 185 6993 |
| Maluka | Projects | | | |
| Humbulani | Enkanyini | 012 440 8830 | - | 083 288 4406 |
| Mudau | Projects | | | |
| Rantshalin | Enkanyini | 012 440 8830 | - | 078 181 3922 |
| gwa | Projects | | | |
| Mulaudzi | | | | |
| Lucia | Eskom | 011 800 4427 | lucia.chauke@eskom.co.za | 082 874 5901 |
| Chauke | Limited | | _ | |
| | Holdings | | | |
| Steven | Eskom | 011 800 6644 | mafelast@eskom.co.za | 078 300 5556 |
| Mafela | Limited | | _ | |
| | Holdings | | | |
| Solomon | Eskom | - | tsoloms@eskom.co.za | 082 806 0512 |
| Tsolo | Limited | | _ | |
| | Holdings | | | |
| Gerald | Land | 054 933 0475 | tgnvisser@telkomsa.net | 084 645 8971 |
| Visser | owner | | _ | |
| Eppie | Eskom | - | Edmund.agenbag@eskom.co.za | 083 544 4632 |

| Agenbag | | | | |
|-----------|-------|---|-----------------------------|--------------|
| Hernie | Eskom | - | herniesticniood@eskom.co.za | 083 979 0530 |
| Sticniood | | | _ | |

Distribution to the following:

- Mr. Calvin Mawelela
- Steven Mafela
- Lucia Chauke

AGENDA

- 8. INTRODUCTION & WELCOME
- 9. APOLOGIES
- 10. APPROVAL OF PREVIOUS MINUTES
- 11. PROGRESS REPORTS FROM THE PROJECT LEADER
- 12. SCOPE OF WORK
- 13. WATER AND VISUAL SPECIALIST
- 14. GEOLOGY SPECIALIST
- 15. GENERAL
- 16. NEXT MEETING

| Item | Description | Action |
|------|---|--------|
| 1. | INTRODUCTION AND WELCOME | |
| | | |
| | Mr C Mawelela welcomed attendants to the meeting. | |
| | | |
| 2. | APOLOGIES | |
| | | |
| | Mr Jojo Mmakwa was on leave. | |

| | Flora and Fuana specialist. | |
|----|---|--------|
| 3. | APPROVAL AND CORRECTION OF PREVIOUS MINUTES | |
| | Minutes of the previous meeting were approved. | |
| 4. | PROGRESS REPORTS FROM THE PROJECT LEADER | |
| | Mr Mawelela stated that the application has been launched with DEAT. He indicated that specialist studies will commence. | |
| 5. | SCOPE OF WORK | |
| | Mr C Mawelela stated that the scope of work will be discussed as the meeting progresses. | |
| 6. | WATER AND VISUAL SPECIALIST | |
| | Mr R Mulaudzi made a presentation on the importance of storm water management and the visual aspects in the project. | |
| | Mr G Visser indicated that there is problems of water blockages in substation area. | Noted |
| | Mr H Sticniood added the substation itself is situated in the part of water in the area and during rain season water blockage is evident. | Noted |
| | Mr S Tsola suggested that the current structural design should be considered during the investigation in order to solve the water blockage problem. | |
| | Mr S Mafela requested that the specialist should proposed a water management design so that it could be included in the overall design of the substation. He indicated that in all the work that is to be perfom in the project he expect not less than 85 % accuracy. | Noted |
| 7. | GEOLOGY SPECIALIST | |
| | Mr H Mudau made a presentation regarding the geological study and importance of the study in this project. He furthely requested that he will require further data for him to able to complete the work. Mrs L Chauke questioned that what will this study contribute in | |
| | the project. Mr H Mudau explained in details the role of this study which is mainly to determine the impact that the upgrade will have on the soil. He futherly indicated that the study is neccesary in order to assist in the designing of the final structure. He also clarified the issue of time that it might possibly take to produce a report taking into consideration laboratory analysis. | Urgent |
| | Mr S Mafela requested that this study be conducted as soon as possible hence the outcome will be important in the final design | Noted |

| | and also for budget. | |
|----|---|-------|
| 8. | GENERAL | |
| | Mr G Visser question that what is going to happen next from Eskom's side regarding the land purchasing. | |
| | Mr S Tsolo explained that now they have to prepare all the neccessary paper work that is required from Eskom side. Mrs L Chauke indicated to Mr G Visser that decision of whether to or not to purchase the land will be influenced by the outcome of the EIA results(Record of Decision) from the DEAT. | |
| | Mr G Visser indicated that if they dicide to go ahead with the upgrade he want the fencing around the substation to be made in a manner that will prevent his sheeps from entering the area(sheepproof), and that the water blockage problem should be addressed. | Noted |
| | Mr T Maluka stated that the proposed public participation dates is the week of the 18-22 August 2008 and he indicated that no contact have been made with the local municipality therfore the dates will remain as proposed dates. He furtherly indicated that the challenge in the public participation in this regard is that there is no public in the nearby substation vicinity, however he said its not a milestone alternative measure will be considered. | |
| | Mrs L Chauke requested that the information regarding the process of suitable site selection be made available so that it could be motivated to DEAT that the preffered site is the best in all alternatives identified. | |
| | Mr S Mafela stated that he will forward all the information that is required regarding the project and requested that the Eskom guys on site(Paulputs) should be kept informed at all times when certain work is to be conducted on site. He further made a request to everyone that he needs to be kept informed about the progress on the activities on site. | |
| | Mr C Mawelela in closing the meeting he indicated that Enkanyini project will ensure that work is done in a shortest time as possible. | |
| 9. | NEXT MEETING | |
| | Will be scheduled at the later stage. | |
| | | |

| Mr C Mawelela | |
|---------------|--|
| Chairperson | |

APPENDIX E6: COPY OF THE REGISTER



INTERESTED AND AFFECTED PARTIES REGISTER ON THE 18¹⁸ OF SEPTEMBER 2008 IN POFFADER COMMUNITY HALL AT 17H00. PAULPUTS SUBSTATION EXTENTION EIA REFFERENCE NUMBER 12/12/20/1239.

| NUMBERS | FULL NAMES | ORGANIZATION | CONTACT NUMBERS | POSTAL ADDRESS | COMMENTS |
|---------|-----------------------------|-------------------------|--------------------|---|---------------------|
| 1 | DEON BROWERS | ANC | / | LANGSCRAFE 378 POFAMER | |
| 2 | Brudley Voggie | ANC | | 365 Potador | 6 |
| 3 | JEAN Muller | BINC | | 280 foldes= | |
| 4 | Geraklo Cloete | ANC | | Wetsonkanstr Not 9 Pohaddek | |
| 5 | Rospe Osete | Añ/C | | Tofalder | |
| 6 | | Y Ha Ma Mu | UT4 9330046 | Mayor @kuma. Sov. ZA. | en 8896 0727556153. |
| 7 | TSEPO MALL Solomon Isolo | Enkanyini Kn Project | 01244088 | 2.06 College Gallories 30 Sumysid Pretoria | |
| 8 | Solomon Isolo | Eskom | 0118006473 | PO Box 349 Noordwyle | 0 |

| NUMBERS | FULL NAMES | ORGANIZATION | CONTACT | POSTAL ADDRESS | COMMENTS |
|---------|---------------------------------------|-----------------------|------------------|--|-----------------------------|
| 9 | Dallan Malshida | estom. | | Postnet Suite 124 Private bay X37 Lynnaca idae 0040 | |
| 10 | Caloru Mandele | Enkanyin! Projects | 012 4408830 | Po Box4983 The Reeds | No objection to |
| 11 | STEVEN MAFELA | Eskom | 0118006644 | DIY48 MEGAWATT PAR NAXWELL BRNE | HO OBJECTION TO THE PROJECT |
| 12 | ELISHA TEXALAL | ESKOM | 0118005091 | DIY38 ESKOM MERGLUNH PECK | _ |
| 13 | LUCIA CHAUSE | ESKOM SLXR | 011800 4427 | NX V20 | s' |
| 14 | | domana. | | Rop 031 | Represal Agicultural |
| 15 | D. Maranethela | 1/1 1/1 | | 80. Box 108 | No objection to the project |
| 16 | B. Simboya | | 073 5315 15 1845 | | _ |
| 17 | , , , , , , , , , , , , , , , , , , , | <i>y</i> | | 000 /48 | |
| 18 | | | | | |



ENKANYINI PROJECTS
P. O. Box 4983, The Reeds 0158
Tel: +27 12 440 8830
Fax: +27 12 440 8829
Telefax: 086 503 1670
Web: www.enkanyinprojects.co.za
Email: calvin@enkanyiniprojects.co.za

| Comment letter for the Extension of Eskom Paulputs Substation Project |
|---|
| Substation activity was explained and discussed by the representatives of Environmental Consultants (Enkanyini Projects). |
| Comments/Recommendations regarding Extension of Paulputs Substation |
| ¿ believe this is the best profect. We are living it a community of about 70°10 of in digent people They live only in box. grants |
| This is a wake-up call be on community. I there fore support this |
| Signature |
| Date . /8/09/2008 |
| Telephone 054, 933,0066 |
| Mobile . 083 4760 320 |
| Address 347 Man Road |
| XY90. |



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Web: www.enkanyinprojects.co.za Email: calvin@enkanyiniprojects.co.za

| Comment letter for the Extension of Eskom Paulputs Substation Project |
|--|
| I Geraldo Co € € € confirm that the proposed Extension of Paulputs Substation activity was explained and discussed by the representatives of Environmental Consultants (Enkanyini Projects). |
| Comments/Recommendations regarding, Extension of Paulputs Substation |
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| Date |
| Telephone |
| Mobile . 0820792560 |
| Address Natson/aan 19 |
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| 889 <i>0</i> |



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Telefax: 086 503 1670

Web: www.enkanyinprojects.co.za Email: calvin@enkanyiniprojects.co.za

| Comment letter for the Extension of Eskom Paulputs Substation Project |
|---|
| Substation activity was explained and discussed by the representatives of Environmental Consultants (Enkanyini Projects). |
| Comments/Recommendations regarding Extension of Paulputs Substation Vo. Comments AT THIS STAGE |
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| the second |
| Signature |
| Date |
| Telephone |
| Mobile 0848892450 |
| Address LANGSTRAAT 373 POFAMER |
| <i>8</i> 890 |



ENKANYINI PROJECTS P. O. Box 4983, The Reeds 0158 Tel: +27 12 440 8830 Fax: +27 12 440 8829

Telefax: 086 503 1670

Web: www.enkanyinprojects.co.za Email: calvin@enkanyiniprojects.co.za

| Comment letter for the Extension of Eskom Paulputs Substation Project |
|---|
| Eccere Maller confirm that the proposed Extension of Paulputs Substation activity was explained and discussed by the representatives of Environmental Consultants (Enkanyini Projects). |
| Comments/Recommendations regarding Extension of Paulputs Substation |
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| |
| Signature Signature |
| Date 18/09/2009 |
| |
| Telephone |
| Mobile |
| Address Longsteet 350 |
| Pofedder |
| 8890 |
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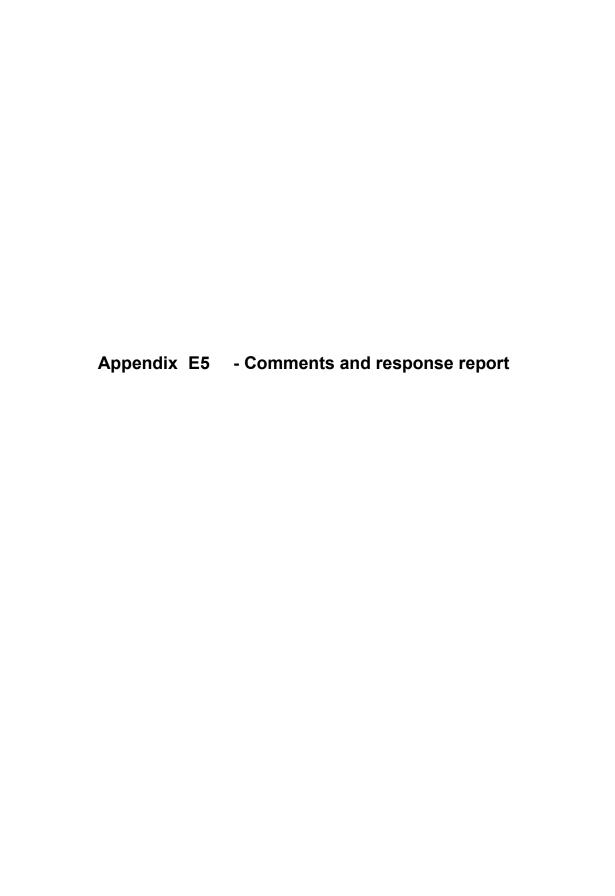


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Email: calvin@enkanyiniprojects.co.za

| Comment letter for the Extension of Eskom Paulputs Substation Project |
|--|
| I RADLEY VISG 9.18 confirm that the proposed Extension of Paulput. Substation activity was explained and discussed by the representatives of Environmental Consultants (Enkanyini Projects). |
| Comments/Recommendations regarding Extension of Paulputs Substation |
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| |
| <i>^</i> |
| Signature |
| Date18 /09/05 |
| Telephone |
| Mobile . 07866840 90 |
| Address Lang Stront 365 |
| Pofadder |
| .8890 |



1 Comments and Response Report

The Scoping Report and the EIA plan of study were sent on site for public comments (30 days which ended on the 7th of December 2008) and there were no comments forwarded regarding the documents on site.

Appendix C7 - Consent letter



LETTER OF CONSENT FOR THE ENVIRONMENTAL IMPACT ASSESSMENT AND ENVIRONMENTAL MANAGEMENT PLAN FOR THE PROPOSED EXTENSION OF THE SUBSTATION TO ACCOMMODATE THE SECOND 220/132KV 125MVA TRANSFORMER

With respect to Regulation No. 385 of the National Environmental Management Act (107 of 1998), item number 16(1), if the applicant is not the owner of the land on which the activity is to be undertaken, the applicant must, before applying for an environmental authorisation in respect of that activity, obtain the written consent of the landowner to undertake the proposed activity on that land.

| I/We, | the | undersigned |
|-------|-----|-------------|
|-------|-----|-------------|

of Identity Number / Registration Number _

am the registered owner/s of the property (include property description & title deed numbers)

hereby give consent to the appicant Eskom Holdings Limited

of Identity Number/Registration Number 2002/015527/06



to $_{\rm A}$ undertake an Environmental Impact Assessment, Geohydrological studies and surveying of the land for the following activity/activities on the property:

- Activity 1 (I): The construction of facilities or infrastructure, including associated structures or infrastructure, for the transmission and distribution of above ground electricity with a capacity of 120 kilovotts or more (this w* include the study of different alternatives for the location of the proposed substation).
 - Activity 12: The transformation or removal of indigenous vegetation of 3 hectares or more or of any size where the transformation or removal would occur within a critically endangered
- 2. endangered ecosystem isted in terms of section 52 of the National Environmental Management: Biodiversity Act 2004 (Act No. 10 of 2004).

Transmission Services Megawatt Park Maxwel Drwe Tel 011 800 2345 Fax 011 800 3911

Sandton P O Box 1091 Johannesburg 2000 esfcom co za

Directors: RM Godsef (CharaanJ PJI HB Lee (Korean) WE LucatBi* PMI

- 3. Activity 14: The construction of masts of any material of type and of any height, including those used for telecommunications broadcasting and radio transmission, but excluding (a) masts of 15m and lower exclusively used by (i) radio amateurs; or (ii) for lightening purposes (b) flagpoles; and (c) lightening conductor poles.
- 4. Activity 15: The construction of a road that is wider than 4 metres or that has a reserve wider than 6 metres, excluding roads that fall within the ambit of another listed activity or which are access roads of less than 30 metres long.
- 5. Activity 16(a): The transformation of undeveloped, vacant or derelict land to residential, mixed, retail, commercial, industrial or institutional use where such development does not constitute infill and where the total area to be transformed is bigger than 1 hectare.
- 6. Activity 7: The above ground storage of a dangerous good, including petrol, diesel, liquid petroleum gas or paraffin, in containers with a combined capacity of more than 30 cubic metres but less than

1 000 cubic metres at any one location or site.

Signed: Date:

Landowner Contact Information:

8005.PO

Telephone:

Name of Landowner:

| Frading Name (if any) | | |
|-----------------------|----|--|
| | | |
| Contact Person: | | |
| Physical Address: | | |
| | | |
| Postal Address: | 50 | |

Appendix C8 - EAP expertise

Name: Abel Calvin Mawelela

Qualifications:

STD 10 [Vuxeni High School]

ND Environmental Management [TUT]

B Tech Environmental Management [TUT][Pending]

Present Position: SHERQ & Operations Director

Present Company: Enkanyini Projects **Years of Professional Experience**:9

Years with Firm :September 2006

Date of Birth : 29 October 1974

Nationality: South African

Contact Numbers: (087) 808 6174 or 0721749171 or 0829013041

Email:calvin@enkanyiniprojects.co.za

Physical & Postal Address: Enkanyini Projects, PO BOX 4983, The Reeds, 0158

RELEVANT EXPERIENCE

- Environmental Pollution Control or Quality Management of surface and ground water.
- Employee health impact surveys and studies.
- Integrated Waste management and waste site rehabilitation.
- Design and implementation of hazardous management systems.
- Audit, implementation and coordination of Occupational Health and Safety Act, Mine Health and Safety Act ISO 18000.
- Audit, implementation and Coordination of ISO 14000 system
- Environmental Management systems, projects and administrations
- NEMA 1998, NWA 1998, MPRDA, AIDE MeMOIRE 1991, AGENDA 21and ECA 1989.
- Safety and Environmental Assessments of Mining, Social Development and Industries.
- Air, Dust, and Noise surveys and Management.
- Environmental Impact Assessments, compliance monitoring and management.
- Environmental Management Plan and Report.
- Dam or land use zoning studies.
- Water Reserve and Flood-lines Determination/Analysis.
- Prospecting of minerals rights or permit and management (Environment).
- Social Impact Assessments, co-ordination and public participations.

- Social needs studies of community development projects.
- Cultural heritage studies for community development projects.
- Environmental technical Assessments or feasibility studies.
- Municipal integrated development plan (IDP) and water service development plan (WSDP) Assessment studies.
- I am experienced in Capacity Assessment of Municipalities, Water Services Providers, Water Authorities and Transfer processes.
- I was involved in business plan appraisals for South African Water Service Providers.
- I am experienced in research, data collection, liaison with communities and government (DME, DWAF, SALGA, DEAT) structures.
- I am experienced in project management, monitoring, non-compliance management, administrations and financial Management.
- I have managed number of environmental projects, including management of all environmental consultants and projects employed by the Province Department of Roads and Transport in North West.

AREAS OF EXPERIENCE

- Rural, Township and Urban development
- ➤ Bulk water, Water and Sewage treatment Plant or schemes
- > Waste transfer station and Waste site
- ➤ Air Quality Monitoring Station
- > Graveyards and Recreational facilities
- Roads, Weir and Bridges
- ➤ Borrow pits and Wells
- Reservoirs and Water reticulation
- > Power stations and Lines
- ➤ Municipalities and Private developers
- > Streams, Rivers and Dams
- Factories
- Industries
- > Open cast and Underground mining

EXPERIENCE RECORD:

2005-to date: Enkanyini Projects: SHERQ & Operations Director

2004-2005 : EcoSat Environmental Service Group: SHERQ & Operations Director

2003-2004 : PD Naidoo & Associates: Environmental & Water technologist 2001-2003 : Mzondi Environmental and Social Consultants: SHERQ Manager

2000-2001: Independent Consulting Services: SHEQ Consultant

| 1999-2000 : Palaborwa Mining (1997-1998 : Palabora Mining Co | | uring and after studies |
|--|------------------------------|-------------------------------------|
| References: | | |
| 1. Annelize Grobler | | |
| Director Landscape Dynamics | | |
| Tel: (012) 460 6043 or 0825664 | ÷530 | |
| 2. Viktoria Jansen-Gotchev | | |
| Environmentalist | | |
| Tel: 0823363497 | | |
| 3. Thabo Sethsedi | | |
| Air Quality Director C&M Cons | sulting Engineers | |
| Tel: (012) 803 5124 or 0829299 | 1966 | |
| | | |
| LANGUAGES | | |
| 10 South African Official Langu | uages: Read, Write, Speakin | g |
| I hereby certify the correctness cassignment. | of the information above and | d my availability to undertake this |
| | | |
| | | - |
| Signature | Date | |
| | | |
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