

APPENDIX C7
COMMENTS RECEIVED



TO WHOM IT MAY CONCERN


Eskom requirements for work in or near Eskom servitudes.

1. Eskom's rights and services must be acknowledged and respected at all times.
2. Eskom shall at all times retain unobstructed access to and egress from its servitudes.
3. Eskom's consent does not relieve the developer from obtaining the necessary statutory, land owner or municipal approvals.
4. Any cost incurred by Eskom as a result of non-compliance to any relevant environmental legislation will be charged to the developer.
5. If Eskom has to incur any expenditure in order to comply with statutory clearances or other regulations as a result of the developer's activities or because of the presence of his equipment or installation within the servitude restriction area, the developer shall pay such costs to Eskom on demand.
6. The use of explosives of any type within 500 metres of Eskom's services shall only occur with Eskom's previous written permission. If such permission is granted the developer must give at least fourteen working days prior notice of the commencement of blasting. This allows time for arrangements to be made for supervision and/or precautionary instructions to be issued in terms of the blasting process. It is advisable to make application separately in this regard.
7. Changes in ground level may not infringe statutory ground to conductor clearances or statutory visibility clearances. After any changes in ground level, the surface shall be rehabilitated and stabilised so as to prevent erosion. The measures taken shall be to Eskom's satisfaction.
8. Eskom shall not be liable for the death of or injury to any person or for the loss of or damage to any property whether as a result of the encroachment or of the use of the servitude area by the developer, his/her agent, contractors, employees, successors in title, and assignees. The developer indemnifies Eskom against loss, claims or damages including claims pertaining to consequential damages by third parties and whether as a result of damage to or interruption of or interference with Eskom's services or apparatus or otherwise. Eskom will not be held responsible for damage to the developer's equipment.
9. No mechanical equipment, including mechanical excavators or high lifting machinery, shall be used in the vicinity of Eskom's apparatus and/or services, without prior written permission having been granted by Eskom. If such permission is granted the developer must give at least seven working days' notice prior to the commencement of work. This allows time for arrangements to be made for supervision and/or precautionary instructions to be issued by the relevant Eskom Manager

Note: Where and electrical outage is required, at least fourteen work days are required to arrange it.

10. Eskom's rights and duties in the servitude shall be accepted as having prior right at all times and shall not be obstructed or interfered with.
11. Under no circumstances shall rubble, earth or other material be dumped within the servitude restriction area. The developer shall maintain the area concerned to Eskom's satisfaction. The developer shall be liable to Eskom for the cost of any remedial action which has to be carried out by Eskom.
12. The clearances between Eskom's live electrical equipment and the proposed construction work shall be observed as stipulated by *Regulation 15* of the *Electrical Machinery Regulations of the Occupational Health and Safety Act, 1993 (Act 85 of 1993)*.
13. Equipment shall be regarded electrically live and therefore dangerous at all times.
14. In spite of the restrictions stipulated by Regulation 15 of the Electrical Machinery Regulations of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), as an additional safety precaution, Eskom will not approve the erection of houses, or structures occupied or frequented by human beings, under the power lines or within the servitude restriction area.
15. Eskom may stipulate any additional requirements to highlight any possible exposure to Customers or Public to coming into contact or be exposed to any dangers of Eskom plant.
16. It is required of the developer to familiarise himself with all safety hazards related to Electrical plant.
17. Any third party servitudes encroaching on Eskom servitudes shall be registered against Eskom's title deed at the developer's own cost. If such a servitude is brought into being, its existence should be endorsed on the Eskom servitude deed concerned, while the third party's servitude deed must also include the rights of the affected Eskom servitude.

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	<p style="text-align: center;">SCOT</p>	<p style="text-align: center;">Technology</p>
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Title: **Renewable Energy Generation Plant Setbacks to Eskom Infrastructure** Unique Identifier: **240-65559775**

Alternative Reference Number: **N/A**

Area of Applicability: **Power Line Engineering**



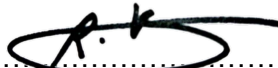
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Disclosure Classification: **CONTROLLED DISCLOSURE**

<p>Compiled by</p> <p></p> <p>.....</p> <p>J W Chetty Mechanical Engineer</p> <p>Date: 15 / 09 / 2020</p>	<p>Approved by</p> <p></p> <p>.....</p> <p>B Ntshuntsha Chief Engineer (Lines)</p> <p>Date: 30/10/2020</p>	<p>Authorised by</p> <p></p> <p>.....</p> <p>R A Vajeth Snr Manager (Lines) and SCOT/SC/ Chairperson</p> <p>Date: 30/10/2020</p>
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EXECUTIVE SUMMARY

In recent decades, the use of wind turbines, concentrated solar plants and photovoltaic plants have been on the increase as it serves as an abundant source of energy. This document specifies proposed setbacks for wind turbines and the reasons for these setbacks from infrastructure as well as setbacks for concentrated solar plants and photovoltaic plants. Setbacks for wind turbines employed in other countries were compared and a general setback to be used by Eskom was suggested for use with wind turbines and other renewable energy generation plants.

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1. INTRODUCTION

During the last few decades, a large amount of wind turbines have been installed in wind farms to accommodate for the large demand of energy and depleting fossil fuels. Wind is one of the most abundant sources of renewable energy. Wind turbines harness the energy of this renewable resource for integration in electricity networks. The extraction of wind energy is its primary function and thus the aerodynamics of the wind turbine is important. There are many different types of wind turbines which will all exhibit different wind flow characteristics. The most common wind turbine used commercially is the Horizontal Axis Wind Turbine. Wind flow characteristics of this turbine are important to analyse as it may have an effect on surrounding infrastructure.

Wind turbines also cause large turbulence downwind that may affect existing infrastructure. Debris or parts of the turbine blade, in the case of a failure, may be tossed behind the turbine and may lead to damage of infrastructure in the wake path.

This document outlines the minimum distances that need to be introduced between a wind turbine and Eskom infrastructure to ensure that debris and / or turbulence would not negatively impact on the infrastructure and future expansion of infrastructure (lines and substation) as per the long term planning scenario.

Safety distances of wind turbines from other structures as implemented by other countries were also considered and the reasons for their selection were noted. All renewable energy developments are approved by The Department of Environmental Affairs, Forestry and Fisheries (DEFF) in terms of NEMA. The DEFF is aware of the setbacks guideline, however they cannot use it in terms of decision making since the setbacks document has no legal standing in SA and it would be outside of their mandate who have been advised to follow the guidelines herein.

Concentrated solar plants and photovoltaic plants setbacks away from substations were also to be considered to prevent restricting possible power line access routes to the substation and possible expansion of substations.

2. SUPPORTING CLAUSES

2.1 SCOPE

This document provides guidance on the safe distance that a wind turbine should be located from any Eskom power line or substation. Although it is not based on any legislative requirement, it is deemed important that Eskom's infrastructure and future network expansion planning is not impeded. The document specifies proposed setback distances for transmission lines (220 kV to 765 kV), distribution lines

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(66 kV to 132 kV) and all Eskom substations. Proposed setbacks for concentrated solar plants and photovoltaic plants are also specified away from substations.

2.1.1 Purpose

Setbacks for wind turbines and power lines / substations are required for various reasons. These include possible catastrophic failure of the turbine blade that may release fragments and which may be thrown onto nearby power lines that may result in damage with associated unplanned outages. Turbulence behind the turbine may affect helicopter flight during routine Eskom live line maintenance and inspections that may lead to safety risk of the aircraft / personnel. Concentrated solar plants and photovoltaic plants setback away from substations were required to prevent substations from being boxed in by these renewable generation plants limiting line route access to the substations and possible future substation expansion.

2.1.2 Applicability

This document is applicable to the siting of all new and existing wind turbines, concentrated solar plants and photovoltaic plants near power lines and substations and in line of site between Eskom telecommunication infrastructure, including future Eskom renewable energy development.

2.2 NORMATIVE/INFORMATIVE REFERENCES

2.2.1 Normative

1. <http://www.envir.ee/orb.aw/class=file/action=preview/id=1170403/Hiiumaa+turbulence+impact+EMD.pdf>.
2. <http://www.energy.ca.gov/2005publications/CEC-500-2005-184/CEC-500-2005-184.PDF>
3. <http://www.adamscountywind.com/Revised%20Site/Windmills/Adams%20County%20Ordinance/Adams%20County%20Wind%20Ord.htm>
4. http://www.dsireusa.org/incentives/incentive.cfm?Incentive_Code=PA11R&RE=1&EE=1
5. <http://www.wind-watch.org/documents/european-setbacks-minimum-distance-between-wind-turbines-and-habitations/>
6. <http://www.publications.parliament.uk/pa/ld201011/ldbills/017/11017.1-i.html>
7. http://www.caw.ca/assets/pdf/Turbine_Safety_Report.pdf
8. Rogers J, Slegers N, Costello M. (2011) A method for defining wind turbine setback standards. Wind energy 10.1002/we.468

2.2.2 Informative

None

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2.3 DEFINITIONS

Definition	Description
Setback	The minimum distance between a wind turbine and boundary line/dwelling/road/infrastructure/servitude etc.
Flicker	Effect caused when rotating wind turbine blades periodically cast shadows
Tip Height	The total height of the wind turbine ie. Hub height plus half rotor diameter (see Figure1)

2.3.1 Disclosure Classification

Controlled disclosure: controlled disclosure to external parties (either enforced by law, or discretionary).

2.4 ABBREVIATIONS

Abbreviation	Description
None	

2.5 ROLES AND RESPONSIBILITIES

All parties involved in the positioning wind turbines, concentrated solar plants and photovoltaic plants near power lines/substations should endeavour to follow the setbacks outlined in this guideline.

2.6 PROCESS FOR MONITORING

Agreement by Eskom in writing on any encroachment of the setbacks distance should be requested via the Grid Access Unit. Eskom should ensure that every application for renewable energy (RE) developments are informed about the existence of the setbacks document early in the RE planning process to ensure maximum effect. This includes Eskom RE development.

2.7 RELATED/SUPPORTING DOCUMENTS

None

3. DOCUMENT CONTENT

3.1 INTERNATIONAL SETBACK COMPARISON

Wind Turbine setbacks employed by various countries were considered. It was found that setbacks were determined for various reasons that include noise, flicker, turbine blade failure and wind effects as well as

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future network expansion planning. The distances (setbacks) varied based on these factors and were influenced by the type of infrastructure

Wind turbine setbacks varied for roads, power lines, dwellings, buildings and property and it was noted that the largest setbacks were employed for reasons of noise and flicker related issues [1-7]. Very few countries specified setbacks for power lines.

The literature survey [1-7], yielded information about studies and experiments were conducted to determine the distance that a broken fragment from a wind turbine might be thrown. Even though of low probability of hitting a power line [5.0×10^{-5} ^[8]], the distances recorded were significant [750m ^[8]]

Wind turbines may also cause changes in wind patterns with turbulent effects behind the hub. These factors influence the wind turbine setbacks specified in this document.

Setbacks were thus introduced to prevent any damage to Eskom infrastructure and impedance to operation and future network expansion planning.

Renewable energy plant can also limit access into substations for power lines of all voltages. A setback distance should therefore be employed to prevent substations from being boxed in by these generation plants and preventing future network expansion. These setback distances are specified in this document.

3.2 ESKOM RECOMMENDED SETBACKS

Any renewable energy applicant should engage with Eskom to determine if their plant layout or positioning of turbines, CSP or PV infrastructure would encroach on the proposed setbacks provided for in this guideline and to ensure that their planning and Eskom's future expansion planning is taken into account. Eskom must inform all renewable energy developers, including Eskom RE, of the existence of the setbacks guideline early in the development process. Should there be an encroachment, a formal request should be sent to and accepted by Eskom in writing if any of the below mentioned setback distances are infringed upon:

- Eskom requests a setback distance of 3 times the tip height of the wind turbine from the edge of the closest Eskom servitude (including vacant servitudes) for transmission lines (220kV to 765kV) and Substations.
- Eskom requests a setback distance of 1 times the tip height of the wind turbine from the edge of the closest Eskom servitude (including vacant servitudes) for distribution lines (66 kV to 132 kV) and Substations.

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- A written request should be sent to Eskom via the Grid Access Unit regarding any proposed wind turbine, concentrated solar plants and photovoltaic activity within a 5 km radius of a substation for Eskom to comment on.
- Where concentrated solar plants, photovoltaic structures, battery storage systems (BESS) and other renewable generation plants fall within a 2 km radius of the closest point of a transmission or distribution substation (66kV to 765kV), a written agreement with Eskom is recommended during the planning phase of such plant or structures to ensure Eskom's future planning is not impeded.
- Applicants should not position any wind turbine in the line of site between and two Eskom Radio Telecommunication masts. It should be proven that Eskom radio telecommunication systems (mainly microwave systems) will not be affected in any way by wind turbines due to the criticality of this infrastructure in terms of network operation. Eskom Telecommunications should be engaged on this matter.
- If the position or size of any turbine changes and subsequently infringes on any of the above stated setbacks, a request for relaxation must be sent through to Eskom as per the point mentioned above.

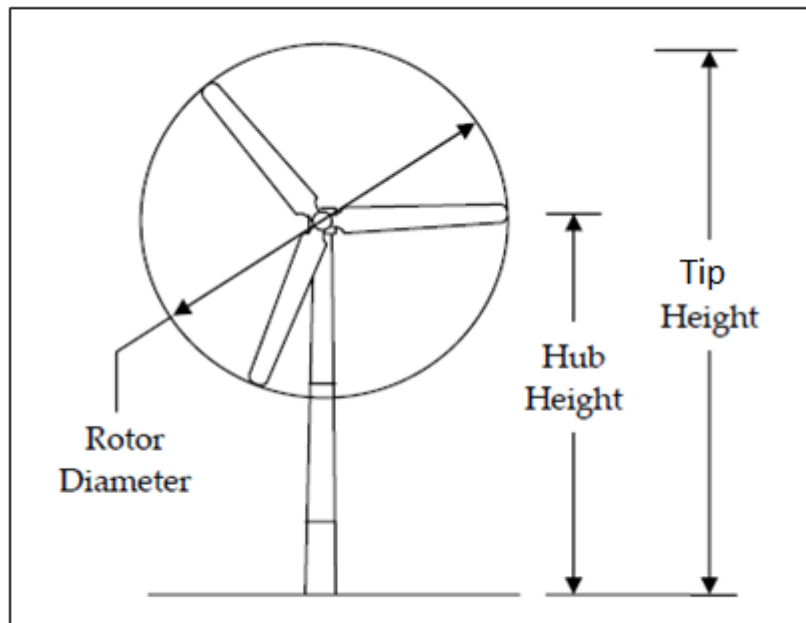


Figure 1: Horizontal Axis Wind Turbine [2]

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4. AUTHORISATION

This document has been seen and accepted by:

Name & Surname	Designation
V Naidoo	Chief Engineer
Dr P Pretorius	Electrical Specialist
J Geeringh	Snr Consultant Environ Mngt
B Haridass	Snr Consultant Engineer
B Ntshunsha	Chief Engineer
R Vajeth	Snr Manager (Lines)
D A Tunncliff	Snr Manager L&R (Acting)
B Branfield	Snr Consultant Engineer

5. REVISIONS

Date	Rev.	Compiler	Remarks
November 2013	0	J W Chetty	First Publication - No renewable energy generation plant setback specification in existence.
October 2018	1	JW Chetty	Modification to sub-section 3.2 to provide more clarity for application procedure.
June 2020	2	JW Chetty	Content within the guideline was re-worded to explain the benefits of mutual agreements between the applicants and ESKOM rather than the application being a legal obligation.

6. DEVELOPMENT TEAM

The following people were involved in the development of this document:

Jonathan Chetty (Mechanical Engineer)

Vivendhra Naidoo (Chief Engineer)

Dr Pieter Pretorius (Electrical Specialist)

John Geeringh (Snr Consultant Environ Mngt)

Bharat Haridass (Snr Consultant Engineer)

Riaz Vajeth (Snr Manager (Lines))

Bruce Ntshunsha (Chief Engineer)

David Tunncliff (Snr Manager L&R Acting)

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EASTERN CAPE
PROVINCIAL HERITAGE
RESOURCES AUTHORITY

SOUTH AFRICA

No.17 Commissioner Street, 2nd Floor Old Elco Building,
Telephone: 043 492 1940/1/2
Website: www.ecphra.org.za

PROJECT: FE TANGO WIND ENERGY FACILITY NEAR ABERDEE, DR. BEYERS
NAUDE LOCAL MUNICIPALITY, SBDM.

Enquiries: Ayanda Mncwabe-Mama
Date: 2023/07/20
Email: ayanda.mncwabe-mama@ecsrac.gov.za

Applicant: FE Tango (Pty) Ltd
Consultant: Savannah Environmental (Pty) Ltd
Contact: Nicolene Venter
Address: P.O.Box 148, Sunninghill, 2157
Email: publicprocess@savannahsa.com
Tel: (011) 656 3237 / 060 978 8396

BACKGROUND

The proposed development will be situated in Portion 1 of Farm Klipstavel 72, 20km West of Aberdeen within Beaufort West Renewable Energy Development Zone (REDZ). The development area is estimated at 2 250ha and to comprise of approximately 25 turbines.

ECPHRA FINAL COMMENTS in terms of **Section 38(8) of the National Heritage Resources Act (25 of 1999).**

This matter was tabled at the Archaeology, Palaeontology and Meteorites (APM) Committee meeting held on 18 July 2023.

- In terms of **Section 38(1)**, an HIA (Heritage Impact Assessment) which comprises of a Phase I AIA (Archaeological Impact Assessment) and a PIA (Paleontological Impact Assessment) will be required by the Eastern Cape Provincial Heritage Authority (ECPHRA).

.....
Ms.Dawn Green
ECPHRA APM Committee: Acting Chairperson

.....
Mr. Azola Mkosana
ECPHRA: Manager

Savannah Public Process

From: Savannah Public Process
Sent: Thursday, 29 June 2023 09:20
To: Francois Strydom
Cc: dfacmiem@gmail.com
Subject: RE: SE3654: FE KUDU WIND ENERGY FACILITY AND FE TANGO WIND ENERGY FACILITY - Notification of the Basic Assessment and Public Participation Processes
Attachments: Kudu Project Site.kmz; Tango Project Site.kmz

Dear Lt Col Strydom,

Attached the .kmz files as requested.

Please be informed that the Basic Assessment Reports on which we would request the SANDF's written comments are not yet available.

As soon as the Reports are available, I will send through the .kmz again.

Kind regards,



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f: +27 (0) 86 684 0547

Nicolene Venter

Public Participation and Social
Consultant

e: publicprocess@savannahsa.com
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SAWEA Award for Leading Environmental Consultant on Wind Projects in 2013 & 2015

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From: Francois Strydom <Francois.Strydom@dod.mil.za>
Sent: Wednesday, June 28, 2023 8:03 AM
To: Savannah Public Process <publicprocess@savannahsa.com>
Subject: RE: SE3654: FE KUDU WIND ENERGY FACILITY AND FE TANGO WIND ENERGY FACILITY - Notification of the Basic Assessment and Public Participation Processes
Importance: High

Good Morning

Please be advised that once again, none of your Applications to the Dept of Defence has the required Google Files (.kml / .kmz)

These are required in order to successfully process your requirements for Telecommunication and Obstacle Evaluations

Without this info, we can unfortunately not respond.

Regards,

Lieutenant Colonel Francois P Strydom

*Department of Defence
Command and Management Information Systems Division
Directorate CMIS Static Systems (PSM)
Radio Spectrum & Communication Site Management
Eco-Park Estate (Street Code 0157,
Eco Glades 1
South-West Wing, Block C, Floor 2
Centurion
0157
Pretoria
South Africa
(25°53'25.2"S 28°10'09.8"E),*

E-Mail: Francois.Strydom@dod.mil.za

Tel Office: (+27) 12 649 1503

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Cellular: (+27) 82 655 3259

From: Savannah Environmental Public Process [<mailto:publicprocess@savannahsa.com>]

Sent: Wednesday, 21 June 2023 18:13

To: Francois Strydom <Francois.Strydom@dod.mil.za>

Cc: Nicolene Venter <nicolene@savannahsa.com>

Subject: SE3654: FE KUDU WIND ENERGY FACILITY AND FE TANGO WIND ENERGY FACILITY - Notification of the Basic Assessment and Public Participation Processes

**BASIC ASSESSMENTS FOR THE FE KUDU WIND ENERGY FACILITY AND THE FE TANGO WIND ENERGY FACILITY NEAR ABERDEEN, EASTERN CAPE PROVINCE
(DFFE Reference Nos.: To be Issued)**

Dear Stakeholder and Interested & Affected Party,

The development of two separate wind energy facilities and associated infrastructure are proposed on sites located west of Aberdeen in the Eastern Cape Province. The two wind farms are located within the Beaufort West Renewable Energy Development Zone (REDZ) and are to be known as the FE Tango Wind Energy Facility and FE Kudu Wind Energy Facility. The projects are to be located within the Dr Beyers Naude Local Municipality and the greater Sarah Baartman District Municipality.

The projects will aid in the diversification and stabilisation of the country's electricity supply, with the proposed wind energy facilities set to inject over 800MW into the national grid. Each wind energy facility will connect to the grid via a grid connection solution which will be subject to a separate application of Environmental Authorisation.

Please find attached the following documents for your perusal:

- Invitation letter to participate in the Basic Assessment and Public Participation Process for these two (2) Wind Energy Facilities.
- Background Information Document which will provide you with additional technical information regarding the proposed developments (ook beskikbaar in Afrikaans).
- Registration and Comment Form (ook beskikbaar in Afrikaans).

Please do not hesitate to contact us should you require any additional information at this stage.

Kind regards,

[Unsubscribe this type of email](#)



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Nicolene Venter
Public Process

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[SAWEA Award for Leading Environmental Consultant on Wind Projects in 2013 & 2015](#)

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Savannah Public Process

From: Francois Strydom <Francois.Strydom@dod.mil.za>
Sent: Tuesday, 29 August 2023 08:03
To: Savannah Public Process
Subject: RE: Renewable Energy Applications: Incomplete info in order to Complete Telecoms Consent (SE3654 - Tango Wind Farm)

Importance: High

Good Morning

Thank you.....Received with Gratitude

Francois

From: Savannah Public Process [mailto:publicprocess@savannahsa.com]
Sent: Monday, 28 August 2023 13:58
To: Francois Strydom <Francois.Strydom@dod.mil.za>
Subject: RE: Renewable Energy Applications: Incomplete info in order to Complete Telecoms Consent (SE3654 - Tango Wind Farm)

Good Afternoon Lt Col Strydom,

As requested, attached is the .kmz for item **245. Tango**.

Item **247 Sleeping Giant** is currently on hold. Should this project proceed, I will forward you the required .kmz file.

Kind regards,



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f: +27 (0) 86 684 0547

Nicolene Venter

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Consultant

e: publicprocess@savannahsa.com
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SAWEA Award for Leading Environmental Consultant on Wind Projects in 2013 & 2015

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From: Francois Strydom <Francois.Strydom@dod.mil.za>
Sent: Monday, August 28, 2023 1:47 PM
To: Nicolene Venter <nicolene@savannahsa.com>; Savannah Public Process <publicprocess@savannahsa.com>; mariam.galant@energyteam.co.za; deon.lottering@energyteam.co.za; Phindile Rametsi <[1](mailto:Phindile.Rametsi@abo-</p></div><div data-bbox=)

wind.com>; nokubonga@forethought-africa.co.za; Samsodien, Zara <samsodien@wkn-windcurrent.com>; Joshua Walduck <Joshua.Walduck@enertrag.com>; nokubonga@forethought-africa.co.za

Cc: EMS <ems@csir.co.za>

Subject: Renewable Energy Applications: Incomplete info in order to Complete Telecoms Consent

Importance: High

Good Day, Applicants

Please see if any of the Applications listed are from your environments.

The files either have no information or are short of the Application or Google files.

If possible please mail me the relevant information in order to expedite the applications for Telecoms Consent from the SANDF.

I have sent this previously with limited responses received. These are still incomplete as indicated in the attached image.

Regards,

Lieutenant Colonel Francois P Strydom

Department of Defence

Command and Management Information Systems Division

Directorate CMIS Static Systems (PSM)

Radio Spectrum & Communication Site Management

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Savannah Public Process

From: Savannah Public Process
Sent: Friday, 18 August 2023 09:01
To: 'Will.Stewart'
Subject: RE: FE Tango&Kudu WEF Potential Opportunities
Attachments: SE3654 Kudu&Tango PVs Background Information Document.pdf; SE3654 Kudu&Tango PVs-Reg&Commment Form.pdf

Dear Will,

Please find attached the Background Information Document that provide technical and process information.

Please complete and return the attached registration and comment form.

Kind regards,



t: +27 (0)11 656 3237
f: +27 (0) 86 684 0547

Nicolene Venter

Public Participation and Social
Consultant

e: publicprocess@savannahsa.com
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SAWEA Award for Leading Environmental Consultant on Wind Projects in 2013 & 2015

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From: Will.Stewart <Will.Stewart@sanygroup.com>
Sent: Monday, August 14, 2023 11:27 AM
To: Savannah Public Process <publicprocess@savannahsa.com>
Subject: RE: FE Tango&Kudu WEF Potential Opportunities

Hi Savannah, I'm interested in being registered for that, not sure if you need anything from us in order to register.

Best Regards,

Will Stewart

From: Savannah Public Process <publicprocess@savannahsa.com>
Sent: Wednesday, July 26, 2023 7:55 AM
To: Will.Stewart <Will.Stewart@sanygroup.com>
Subject: RE: FE Tango&Kudu WEF Potential Opportunities

Dear Mr Stewart,

In terms of the POPI Act, we can not provide contact details of the Developer.

Please confirm whether we can register you on both the Tango Wind Farm and Kudu Wind Farm project databases to receive project related information in terms of the NEMA EIA Regulations as and when it becomes available.

Kind regards,



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From: Will.Stewart <Will.Stewart@sanygroup.com>
Sent: Friday, July 14, 2023 2:48 PM
To: Savannah Public Process <publicprocess@savannahsa.com>
Subject: FE Tango&Kudu WEF Potential Opportunities

Dear Sir/Mam, I believe you are well.

I would like to introduce myself and our company. **Sany Renewable Energy** is a global wind turbine supplier, and we are now canvassing the Africa market with Sany Wind Turbines.

Over the last 5 to 10 years Sany Renewable Energy has been on a globalization strategy which included moving into North and South America, Europe, other parts in Asia and now Africa.

Attached is a scaled down introduction to the company, which also highlights our turbine portfolio. Our 5 leading WTGs for the Africa market are the SI-172-6.25 MW, SI-160-5.0 MW, SI-168-5.0 MW, SI-193-5.0 MW and SI-204-8.0MW, are all in the type certification process, with full DNV-GL type certification available between 2023 and 2024.

I'm wondering if you can share the contact details of the developer for these two WEF so that we can push this forward.

Best Regards,

Will Stewart
Sany Group-SANY Renewable Energy
Vice Country Manager



Tel: +27 71 142 7985

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Web: <http://www.sanyglobal.com/>

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