

**BASIC ASSESSMENT REPORT FOR THE PROPOSED
ESTABLISHMENT OF ONE 60M WIND MEASUREMENT MAST AND
ONE 3MW WIND TURBINE IN ZONE 14 OF THE COEGA
INDUSTRIAL DEVELOPMENT ZONE (IDZ) NEAR PORT ELIZABETH
IN THE NELSON MANDELA BAY METROPOLITAN MUNICIPALITY
(NMBMM), EASTERN CAPE PROVINCE, SOUTH AFRICA
(REFERENCE NUMBER 12/12/20/1733).**

DRAFT FOR PUBLIC REVIEW

Prepared for:
Department of Environmental Affairs

Prepared by:
Coastal & Environmental Services
PO Box 934
Grahamstown, 6140



On behalf of:
InnoWind (Pty) Limited
P.O. Box 1116
Port Elizabeth, 6000



INTRODUCTION

Coastal and Environmental Services (CES) was appointed by InnoWind (Pty) Limited to undertake a Basic Assessment (BA) process for the proposed establishment of two temporary 60m measurement masts and one wind turbine – one measurement mast and one turbine in Zone 14 of the Coega Industrial Development Zone (12/12/20/1733) and the second measurement mast on one of two sites on the neighbouring Pretoria Portland Cement Company Limited (PPC) property (12/12/20/1734) - both of which are situated in the Nelson Mandela Bay Metropolitan Municipality (NMBMM) near Port Elizabeth in the Eastern Cape Province of South Africa.

DETAILS AND EXPERTISE OF THE ENVIRONMENTAL ASSESSMENT PRACTITIONER

According to regulation 23(2) of the EIA regulations (2006), “A basic assessment report must... include-

- a) Details of –
 - i. The EAP who prepared the report; and
 - ii. The expertise of the EAP to carry out basic assessment procedures”

In fulfillment of the above-mentioned legislative requirement as well as Section 18 of the EIA Regulations (2006) which states that, “an EAP must have expertise in conducting environmental impact assessments, including knowledge of the Act, these Regulations and any guidelines that have relevance to the proposed activity”, provided below are the details of the Environmental Assessment Practitioner (EAP) that prepared this basic assessment report as well as the expertise of the individual members of the study team.

Details of the EAP

Coastal and Environmental Services (CES)

Physical Address: 67 African Street, Grahamstown 6139

Postal Address: P.O. Box 934, Grahamstown 6140

Telephone: +27 46 622 2364

Fax: +27 46 622 6564

Website: www.cesnet.co.za

Email: info@cesnet.co.za

Expertise of the EAP

CES is one of the largest specialist environmental consulting firms in southern Africa. Established in 1990, and with offices in Grahamstown and East London, we primarily specialise in assessing the impacts of development on the natural, social and economic environments. CES's core expertise lies in the fields of strategic environmental assessment, environmental management plans, environmental management systems, ecological/environmental water requirements, environmental risk assessment, environmental auditing and monitoring, integrated coastal zone management, social impact assessment and state of environment reporting. In addition to adhering to all relevant national legislative requirements, which we are often required to review and summarise for specific projects, acquisition of equity funding from the majority of financial institutions demands that developments must meet certain minimum standards that are generally benchmarked against the Policy and Performance Standards of the International Finance Corporation and the World Bank Operational Directives and Policies. The quality of our work during our long and extensive association with heavy mineral mining in Africa (we have worked on large projects in South Africa, Mozambique, Malawi,

BASIC ASSESSMENT REPORT

Kenya, Madagascar and Egypt) has been acknowledged by international lenders such as the World Bank and the International Finance Corporation, and the large mining companies continue to approach us as their preferred environmental consultant for this type of project. Provided below are short *curriculum vitae* (CVs) of each of the team members involved in the Basic Assessment studies for the proposed establishment of the two 60m wind measurement masts and one wind turbines in the Coega and PPC sites in the Nelson Mandela Metropolitan Municipality in the Eastern Cape, South Africa.

Mr Marc Hardy (*Project Leader and Report Reviewer*)

Marc holds a M.Phil in Environmental Management from Stellenbosch University's School of Public Management and Planning. His professional interests include environmental impact reporting for linear, energy and large infrastructure projects, compliance monitoring and environmental auditing, and strategic environmental policy development and reporting. Marc has, amongst others, been project manager for the Dinokeng EMF, the Milnerton Refinery to Ankerlig Power Station Liquid Fuels Transportation Infrastructure Project, numerous Eskom Transmission and Distribution power line and substation EIA's countrywide, power station and mining EMP compliance audits, as well as various renewable energy projects. Before entering the consulting field he gained extensive experience in the EIA regulatory and policy development field whilst in the employ of the Gauteng Department of Agriculture, Conservation and Environment. Since joining CES he has been tasked with managing various wind energy and biofuel projects, nationally as well as well as in Africa.

Ms Juliana Keirungi (*Project Manager and Report Production*)

Juliana holds a BSc, BScH with distinction and an MSc from Rhodes University and is a qualified Senior Environmental Consultant with experience in the fields of Environmental Impact Assessments, Water and Wastewater treatment, Waste Management and Technology Assessments. Juliana has worked as Senior Environmentalist and Disposal Engineer/Environmentalist of National Water and Sewerage Corporation in Uganda where she provided technical support to the Water Supply and Sewerage Services Departments in respect to process control under unit operations. Juliana has also managed and provided professional support to a number of EIA projects in Uganda, South Africa Mozambique and Sierra Leone including but not limited to the Rio Tinto Mining and Exploration Limited Order of Magnitude Studies (Phase 1, 2A and 2B) in Mozambique, Knysna N2 Bypass EIA. More specifically, Juliana has conducted specialist waste management studies for the Port of Mossel Bay (South Africa), manganese smelters (Kalagadi and Exxaro, both in South Africa), brewery projects (Mozambique) and biofuel projects (Sierra Leone and Mozambique).




Ms Leigh Ann DeWet (*Ecological Specialist*)

Environmental Consultant/Botanical Specialist. Leigh-Ann holds a BSc (Botany and Entomology) as well as a BSc (Hons) and MSc in Botany from Rhodes University. She conducts vegetation sensitivity assessments, in turn to aid and guide developments and thereby minimising their impacts on sensitive vegetation.

BASIC ASSESSMENT REPORT

ENVIRONMENTAL ASSESSMENT PRACTITIONER DECLARATION OF INDEPENDENCE

BASIC ASSESSMENT FOR THE PROPOSED ESTABLISHMENT OF ONE 60M WIND MEASUREMENT MAST AND ONE 3MW WIND TURBINE IN ZONE 14 OF THE COEGA INDUSTRIAL DEVELOPMENT ZONE (IDZ) NEAR PORT ELIZABETH IN THE NELSON MANDELA BAY METROPOLITAN MUNICIPALITY (NMBMM), EASTERN CAPE PROVINCE, SOUTH AFRICA.

Role on Study Team	Declaration of independence
<i>Project Leader and Report Reviewer</i>	<p>I MARC HARDY declare that I am an independent consultant and have no business, financial, personal or other interest in the proposed establishment of one 60m wind measurement mast and one wind turbine in Zone 14 of the Coega Industrial Development Zone (IDZ) and the establishment of one wind measurement mast on the Pretoria Portland Cement (PPC) Property in the Nelson Mandela Bay Metropolitan Municipality (NMBMM) in the Eastern Cape Province of South Africa, application or appeal in respect of which I was appointed other than fair remuneration for work performed in connection with the activity, application or appeal. There are no circumstances that compromise the objectivity of my performing such work.</p> <p>SIGNATURE:</p> 
<i>Project Manager and Report Production</i>	<p>I JULIANA KEIRUNGI declare that I am an independent consultant and have no business, financial, personal or other interest in the proposed establishment of one 60m wind measurement mast and one wind turbine in Zone 14 of the Coega Industrial Development Zone (IDZ) and the establishment of one wind measurement mast on the Pretoria Portland Cement (PPC) Property in the Nelson Mandela Bay Metropolitan Municipality (NMBMM) in the Eastern Cape Province of South Africa, application or appeal in respect of which I was appointed other than fair remuneration for work performed in connection with the activity, application or appeal. There are no circumstances that compromise the objectivity of my performing such work.</p> <p>SIGNATURE:</p> 
<i>Ecological Specialist</i>	<p>I LEIGH-ANN DEWET declare that I am an independent consultant and have no business, financial, personal or other interest in the proposed establishment of one 60m wind measurement mast and one wind turbine in Zone 14 of the Coega Industrial Development Zone (IDZ) and the establishment of one wind measurement mast on the Pretoria Portland Cement (PPC) Property in the Nelson Mandela Bay Metropolitan Municipality (NMBMM) in the Eastern Cape Province of South Africa, application or appeal in respect of which I was appointed other than fair remuneration for work performed in connection with the activity, application or appeal. There are no circumstances that compromise the objectivity of my performing such work.</p> <p>SIGNATURE:</p> 

(For official use only)

File Reference Number:							
Application Number:							
Date Received:							

BASIC ASSESSMENT REPORT

Basic Assessment Report in terms of the National Environmental Management Act, 1998
(Act No. 107 of 1998), as amended, and the Environmental Impact Assessment
Regulations, 2006

Kindly note that:

1. This **basic assessment report** is a standard report that may be required by a competent authority in terms of the EIA Regulations, 2006 and is meant to streamline applications. Please make sure that it is the report used by the particular competent authority for the activity that is being applied for.
2. The report must be typed within the spaces provided in the form. The size of the spaces provided are not necessarily indicative of the amount of information to be provided. The report is in the form of a table that can extend itself as each space is filled with typing.
3. Where applicable **tick** the boxes that are applicable or **black out** the boxes that are not applicable in the report.
4. An incomplete report may be returned to the applicant for revision.
5. The use of "not applicable" in the report must be done with circumspection because if it is used in respect of material information that is required by the competent authority for assessing the application, it may result in the rejection of the application as provided for in the regulations.
6. This report must be handed in at offices of the relevant competent authority as determined by each authority.
7. No faxed or e-mailed reports will be accepted.
8. The report must be compiled by an independent environmental assessment practitioner.
9. Unless protected by law, all information in the report will become public information on receipt by the competent authority. Any interested and affected party should be provided with the information contained in this report on request, during any stage of the application process.
10. A competent authority may require that for specified types of activities in defined situations only parts of this report need to be completed. In addition, if it is clear to the EAP that because of the particular circumstances of the case it is not sensible to complete any of the sections indicated under paragraph 3 of this report, he or she may apply for exemption from completing that part of the report in the spaces provided in the report. It must however be noted that if the application for exemption is turned down, the report may have to be resubmitted.