## **PROPOSED INYANDA - ROODEPLAAT**

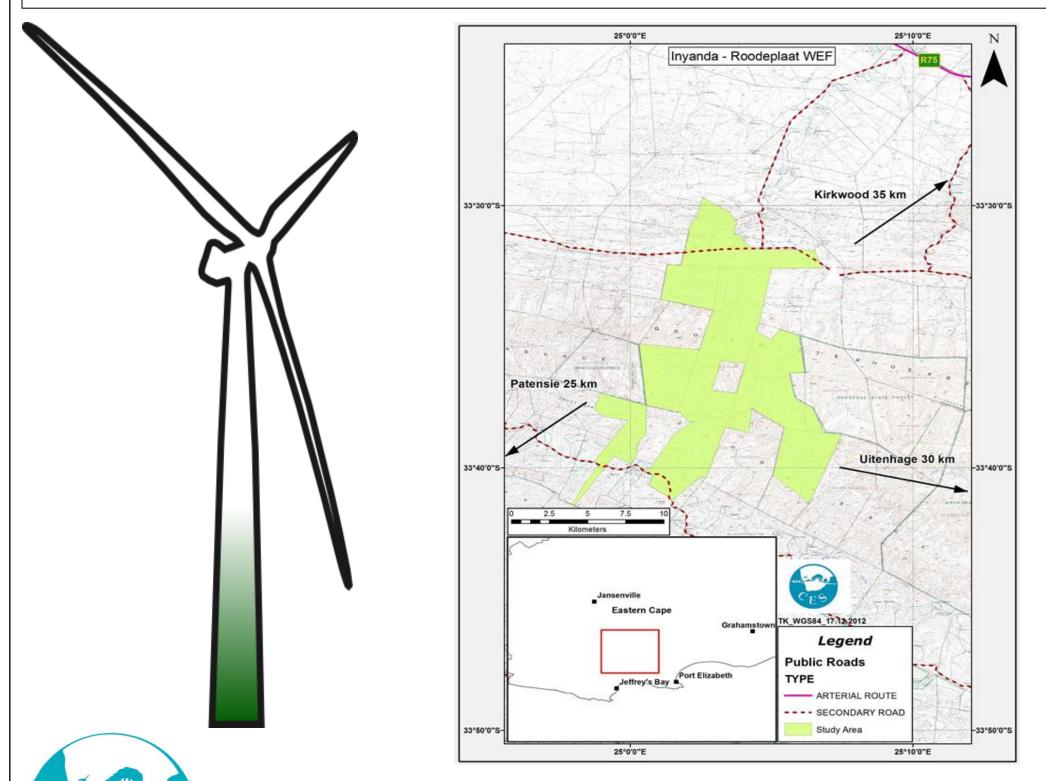
## WIND ENERGY PROJECT

**Background to the project:** Inyanda Energy Projects (Pty) Ltd, a renewable energy company, plans to develop a wind powered electricity generation facility (known as a 'wind farm') in the district of Uitenhage, Cacadu District Municipality, Eastern Cape Province of South Africa (*refer to Figure 2*).

Coastal & Environmental Services (CES) has been appointed by Inyanda Energy Projects (Pty) Ltd to undertake the necessary environmental investigations for the wind energy project, and to apply for approval from the Department of Environmental Affairs (DEA), for its construction and operation, as required by South Africa's environmental legislation. Details of the environmental impact assessment process are provided on the next page.

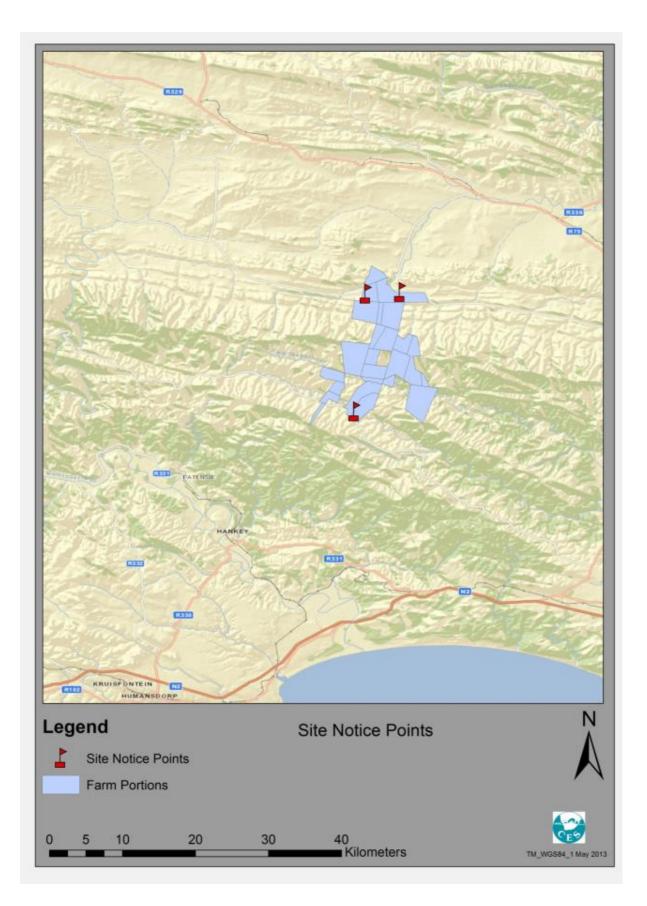
<u>**Project description:**</u> The wind farm will entail the construction and operation of approximately **35 wind turbines**, each generating a maximum of 2-3MW (Mega Watts). Three alternative layouts have been proposed for the project. The total land cover of the wind farm would be 12,000 hectares, and will feed into the national grid.

**Dimensions:** The ultimate size of the wind turbines will depend on further technical assessments but will typically consist of rotor turbines with rotor diameters up to a maximum of 120 meters. The towers will have a nacelle or transformer hub between 100 and 140 meters above ground with a blade tip height of between 160 and 200 meters above ground.



If you have any comments or queries, or if you would like to register as an interested or affected party, please contact Mr. Justin Green at:-

Tel: 046 622 2364; or Fax: 046 622 6564; or Email: j.green@cesnet.co.za





Site Notice 1: (33°40'28.61"S 25° 1'19.34"E)



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Site Notice 2: (33°31'38.73"S 25° 4'41.57"E)



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Site Notice 3: (33°31'46.20"S 25° 2'9.63"E)



Poster display point 1: (33°51'56.90"S 25°18'48.53"E)



Poster display point 3: (33°24'1.10"S; 25°26'26.99"E)



Poster display point 2: (33°24'0.34"S 25°26'29.84"E)