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**Attention: Ms. Tilly Watermeyer / Kelli Ross / Ms. Nicole Holland**

Dear Madam

**SPECIALIST STATEMENT: NOISE IMPACT: AMENDMENT OF THE ENVIRONMENTAL AUTHORISATION FOR THE PROPOSED DE AAR 2 SOUTH WIND ENERGY FACILITY SOUTH-WEST OF PHILIPSTOWN, NORTHERN CAPE PROVINCE**

The above-mentioned amendment of the environmental authorization (“EA”) as well as reports

- MRE-DA/NIS/201112-Rev 0 (dated December 2011 for the De Aar Wind Energy Facility – “WEF”)
- MRPD-DAWEF/ENIA/201506-Rev 0 (dated June 2015 for the De Aar 2 South WEF)
- HA-MDA2SWEF/ENIA/202210-Rev 2 (dated October 2022 for the De Aar 2 South WEF)

are of relevance.

I conducted Environmental Noise Impact Assessments (“ENIA”) during 2022 for the proposed Mulilo De Aar 2 South WEF. The October 2022 ENIA assessed the latest proposed final layout considering the worst-cast scenario, using the sound power emissions of the Goldwind GW165-6.0 wind turbine generator (“WTG”). With the input data as used, this assessment indicated that the proposed project will have a noise impact of a low significance on all Noise Sensitive Receptors (“NSR”) in the area, subject that the structures located at NSR11 will not be used during the operational phase of the project.

A latest layout was assessed in detail in HA-MDA2SWEF/ENIA/202210-Rev 2 (dated October 2022). Based on the findings of this review, recommendations were put forward for inclusion in the updated Environmental Management Programme (EMPr) report for the project, and replace all previous noise mitigation and/or noise management measures recommended in previous noise reports (de Jager, 2011; de Jager, 2015) for the project. There were some minor changes to the layout as defined in the wind turbine and access road layout dated 20 January 2023, as available in the KMZ file, titled: “20230120\_Mulilo De Aar 2 South WEF Layout.kmz”.

- With the information at hand, there is only one location where there are potential receptors, with the closest wind turbines being WTG 8, 9, 11, 12, 26 and 27. Of these, WTG 11 will be slightly moved (microsited) further from the potential receptor, with WTG 9 completely removed from the layout. The move of WTG 11 is relative insignificant in terms of noise, and unlikely to change the predicted noise level at this receptor (there might be a slight, but insignificant reduction in the noise levels). The removal of WTG 9 will reduce the noise level contours, but, because this WTG is further than 2,000m from this receptor, the reduction in noise levels will be insignificant. In terms of acoustics, this change in layout is acceptable.
- The proposed changes to the layout will not change the findings of the latest noise report (Report no: HA-MDA2SWEF/ENIA/202210-Rev 2, dated October 2022), require additional, different or other changes to the mitigation or the management measures as proposed in the latest ENIA.

Therefore, the change in layout (reduction in the total number of WTG from 28 to 26) will not change the findings of the latest ENIA report. As such, the proposed amendments to the EA, including the extension of the

validity of the EA, will not change the nature of the noise impact, nor change the significance of the noise impact. As such the proposed amendments are acceptable from a noise impact perspective.

Should you require any further details, or have any additional questions, please do not hesitate to call me on the above numbers.

Yours Faithfully,



Morné de Jager

Enviro-Acoustic Research cc