



**Defence
Infrastructure
Organisation**

Jill Roberts
Ministry of Defence
Safeguarding Department
St George's House
DIO Headquarters
DMS Whittington
Lichfield
Staffordshire
WS14 9PY

Your Reference: CE3405

MOD Telephone: +44 (0)792905 6607
E-mail: Jillian.roberts156@mod.gov.uk

Our Reference: DIO10052440

Vivek Kodige
Clean Earth Energy
Unit 2A 2B Bess Park Road
Wadebridge
PL27 6HB

21 September 2021

Dear Vivek

Site Name: East Karslake Turbine

Thank you for your pro-forma requesting pre-application advice from the Ministry of Defence (MOD) regarding your proposed wind energy development.

I am writing to inform you that the MOD may have concerns about the proposal. We have undertaken a pre-application assessment which has been carried out on the basis that the turbine will be 134.5metres in height to blade tip and located at the grid references submitted in the proforma.

Turbine	Easting	Northing	
1	198647	055360	

We have calculated that your development will be detectable by, one or more MOD radars as specified below. Consequentially, we may object should you proceed with a planning application for the development in its current form. At present we are not able to state definitively that we would object, as the MOD can only accurately assess the operational impact of the development at the point in time at which we are consulted on the application by a planning authority. Whether the operational impact of the development is deemed to be acceptable or unacceptable will be dependent on a variety of constraints including, but not limited to, the proliferation of other actual and potential turbine developments in the vicinity at that time. As we are not able to predict the level of turbine development in the area around your proposal at the time that a planning application is submitted, we cannot assess the full and actual operational impact of your development.

Air Defence (AD) radar

The turbine will be 33.1km from and detectable by the AD radar at ASACS Portreath

Wind turbines have been shown to have detrimental effects on the operation of radar. These include the desensitisation of radar in the vicinity and an increase in false alarm rate and a reduced probability of detection. Excessive turbine proliferation within a specific locality can result in an unacceptable degradation of the radar's operational integrity.

Low Flying

Fixed Wing military low flying training takes place throughout the United Kingdom down to a height of 250ft above ground level and in certain designated areas down to a height of 100ft above ground level. A turbine development of the height and at the location you propose may have an impact on low flying operations. We have produced a map which indicates areas in the UK where the MoD is more likely or less likely to object to wind turbine planning applications on the grounds of interference with low flying operations.

Regardless of whether we object to your proposal, it is probable the MOD will request the turbine be fitted with MOD accredited visible or infrared aviation safety lighting.

Please note, this advice and assessment outcome is based on current information and knowledge and takes in to account current operational installations and capabilities. As development proposals are progressed and more information becomes available, the MOD will be able to refine its assessments and provide more specific information on the defence assets and associated safeguarding issues that will need to be taken into account. Given the timescales associated with development proposals, it is not possible for MOD to provide further granularity/detail at this time and it could be that the MOD position provided at this time changes as and when it becomes aware of new information. All that said, the MOD recognises the importance of these development proposals and remains committed to working with all stakeholders.

Please note that DIO staff will not be able to provide any information regarding the operational impact of your development over and above that which is contained in this letter.

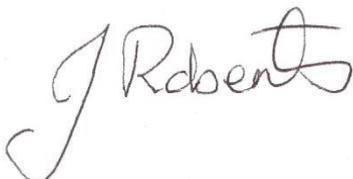
Unless directed otherwise, the Ministry of Defence will treat all pre-application information in confidence and the information will only be used or disclosed in accordance with the wishes of the confider.

MOD Safeguarding wishes to be consulted and notified about the progress of planning applications and submissions relating to this proposal to verify that it will not adversely affect defence interests.

I trust this adequately explains our position on the matter. Further information about the effects of wind turbines on MOD interests can be obtained from the following website:

MOD: <https://www.gov.uk/government/publications/wind-farms-ministry-of-defence-safeguarding>

Yours sincerely



Jill Roberts