



European Investment Bank (EIB)

Luxembourg, 09/12/2022

Environmental and Social Completion Sheet (ESCS)¹

Overview

Project Name:	<i>PUYLOBO ALLOCATION GREEN ENERGY FL 2019-0811</i>
Project Number:	<i>2020-0375</i>
Country:	<i>Spain</i>
Project Description:	<i>Financing of the Puylobo on-shore wind farm (48.5 MW) in the Spanish region of Aragon</i>

Summary of Environmental and Social Assessment at Completion

EIB notes the following Environmental and Social performance and key outcomes at Project Completion.

The Project consists of the construction and operation of a ~48.5 MW wind farm with 14 Wind Turbine Generators (WTG) and the associated infrastructure consisting of 30 kV underground line in the Spanish region of Aragon. The project required a full EIA, including public consultation, and received the environmental permit in May 2019.

The implementation of the project did not lead to involuntary physical or economic displacement or resettlement. The current use of the lands is mostly for agriculture, and such activity continues to be carried out in the area with the normal safeguards and are not affected by the project.

The Promoter is known to the Bank from previous operations and has sufficient E&S capacity to implement the project.

The Environmental Impact Studies (EIS) EIS includes the appropriate **identification of potential impacts** (such as visual and noise impacts, impacts on biodiversity and ecosystems – mainly collisions and disturbance of avifauna, loss of habitats, and impact on cultural and archaeological patrimony), the determination of their significance, as well as the **measures to avoid, reduce, mitigate and compensate**. The EIS also included an **Environmental Management Plan (EMP)**, which was implemented as per the conditions set out in the permit.

The plan for the monitoring and vigilance of the operation of the plant², endorsed as the EMP operative plan, foresees detailed actions for the mitigation of the impacts during all phases of the functioning of the plant (construction, operation, dismantling) and addresses all impacts raised in the Environmental Impact Studies.

Visual and noise impacts

For noise impacts clear limits have been established and endorsed for the different sound level measurement campaigns during the development of the works, whose results are compared with the acoustic limits established in the regional legislation. The first control was carried out with the beginning of the works, repeating on a quarterly basis. The measurements made so far did not show noise levels above the limits set out in the regional legislation.

¹ The template is for ILs and FLs

² Plan de seguimiento y vigilancia en fase de funcionamiento del futuro parque eólico « Puylobo ».



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Collisions and disturbance of avifauna

According to a specific avifauna study prepared before start of operation, the project will not affect nesting areas and the use of the space of the project by the species is very low. Eventually, ***the main impact of the project will be the risk of collision during the operations***. This risk is mitigated by the inter-distance between the wind turbines, which is considered adequate by the competent authority, by the continuous monitoring of the presence of avifauna in the wind farm, and by the implementation of a protocol for the identification of collision risks and the consequential shutdown of the WTGs involved. All those elements have been included in the updated EMP.

Those impacts were effectively managed by avoiding the installation of WTG in critical places and by doing a rigorous surveillance of the real mortality rates, and taking the necessary actions accordingly (including up to the dismantling of the wind turbine(s) involved).

Cultural and archaeological patrimony and loss of habitats

The plant is not located on a Natura 2000 site, and the distance from the nearest Natura 2000 site is of 10km. The competent authority for Natura 2000 valued the final project as compatible, provided that the ***conditions set out in its assessment are fulfilled***. Those conditions have been integrated in the permit and in the updated EMP.

The average electricity production will be of ~138 GWh/year (P75) and will not generate any absolute CO2 emissions and the total relative effect of the project is a net reduction in CO2 equivalent emissions by 53 kt CO2-e/year.



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Summary opinion of Environmental and Social aspects at completion:

EIB is of the opinion based on reporting from the promoter, that the project has been implemented in line with EIB Environmental and Social Standards, applicable at the time of appraisal.