



European Investment Bank (EIB)

Luxembourg, 04 September 2018

Environmental and Social Completion Sheet (ESCS)

Overview

Project Name:	<i>IREDA-RE & EE FL OSTRO ANANTPUR WIND FARM</i>
Project Number:	<i>2016-0058</i>
Country:	<i>India</i>
Project Description:	<i>The project is an allocation under IREDA-RENEWABLE ENERGY AND ENERGY EFFICIENCY FL (2013-0338). The project will contribute to the financing of a 100 MW farm within Andhra Pradesh state to replace electricity generation from fossil-fuel based plants.</i>

Summary of Environmental and Social Assessment at Completion

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

The project comprises the development, construction and operation of a 100 MW wind farm including all the associated electrical facilities and civil infrastructure. The wind farm is located in the Anantpur district, Andhra Pradesh and consists of 50 Gamesa G97 wind turbines.

At appraisal, the project was deemed acceptable under E&S aspects subject to conditions.

In December 2016, the wind farm was completed with 100 MW installed capacity, as planned.

In April 2018, the promoter was acquired by an independent power producer focussed on renewable energy in India. The new shareholder is an ISO 9001:2015, ISO 14001:2015 and BS OHSAS 18001:2007 certified company. Following the acquisition, the HSE team from the previous promoter was moved to the new owner but continued to remain the same until the time of completion reporting. Environmental and social policies were also still applied without changes. Since the acquisition was at the nascent stages, it cannot be confirmed whether there will be any changes in the HSE team going further.

In May and June 2018, the Bank sent an independent E&S expert to the promoter and the project site in order to collect the relevant E&S information with particular reference to EIB's loan conditions and information requirements.

A comparison between EIB's environmental and social loan conditions and corresponding information at project completion -stage is provided in the table below.



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Loan condition	Implementation status at project completion
Promoter to submit to the Bank, on a best effort basis, Non-Objection certificates from all project-relevant village councils (Gram Panchayats).	All project relevant village Non-Objection certificates have been obtained and shared with the Bank.
Promoter to fully implement the mitigation measures defined in the ESMP to the satisfaction of the Bank	<p>The Environmental and Social Management Plan (ESMP) of the ESIA report dated April 2017 has been used for this analysis.</p> <p>Based upon available information, the ESMP has been partly implemented by the promoter and its operations contractor. Areas of risk and need for follow-up include water extraction and the onsite storage of waste and hazardous waste.</p>
Promoter to improve the community and stakeholder participation and the grievance redress system particularly to address also the potential impacts caused by noise and shadow flicker.	<p>The promoter has not undertaken any specific community engagement activities to raise awareness of the surrounding villagers to the impacts of noise and shadow flicker effect from wind turbines.</p> <p>The promoter is accessible for affected people. A grievance redress mechanism has been put in place. Samples of GRM protocols have been shared with the Bank. The promoter's CSR team is known among the surrounding villages and would be the first point of contact in the event of grievance communication.</p> <p>According to the promoter, there hasn't been any grievance relating to noise or shadow flicker to date.</p>
Promoter to carry out supplementary site-specific bird and bat surveys to verify the project-related impacts on critically endangered, endangered, and vulnerable species as well as on migratory birds and to verify the appropriateness of the mitigation and monitoring measures proposed.	<p>Bird and bat studies were carried out by an external consultant in collaboration with the promoter's on-site personnel. The studies aimed at identifying the collision risk as well as bird mortality due to electrocution. Monitoring was started in August 2017 and lasted until May/June 2018.</p> <p>The methodology applied has weaknesses despite the implementation of improvements upon request of the Bank. A final report has not yet been issued to the Bank.</p> <p>Preliminary monitoring documentation confirms the ESIA's conclusions that the project's bird and bat risks are rather low.</p>



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Promoter to fully implement its "Black Buck Management Programme" in line with ESMP recommendations.	All workers and operating staff on-site have been sensitised to the species and its conservation status. Awareness was raised through posters in local language. No incidents with Black Bucks have been reported to date.
Promoter to carry out Corporate Social Responsibility (CSR) measures in the project region over loan lifetime on a best effort basis and in consultation with the local people.	<p>The following local activities were undertaken by the promoter under CSR:</p> <ul style="list-style-type: none"> • Installation of three units for treatment of drinking water in the villages Bidurukotham, Vyasapuram and Thimbaganoor. • 1097 school bags distributed across eight village schools. • 180 sets of desk and benches distributed across three village schools. • Four garbage rickshaw vehicles given to two villages. • Construction of toilets attached to individual houses of 100 families. • Creation of a Model Aanganwadi (pre-school centre) at village Bidurukontham. • Water tanks for animals in Village Thimbaganuru.
Promoter to fulfil the Bank's project-specific E&S information and reporting requirements.	By the time of project completion, the promoter has provided information on all requested topics. Information gaps have been partly closed through the Bank's monitoring consultant's report.

EIB notes the following key Environmental and Social aspects to be monitored during operations:

Further monitoring of the ESMP implementation and final bird and bat study outcomes will be carried out by Bank staff on the basis of contractual information requirements.

Gaps identified by the Bank's E&S monitoring consultant at project completion will be discussed with the financial intermediary, aiming for an improvement of the project's E&S performance if and where possible.

Summary opinion of Environmental and Social aspects at completion:

EIB is of the opinion based on reports from the promoter and the Bank's E&S monitoring consultant, that the Project has partly been implemented in line with EIB Environmental and Social Standards, applicable at the time of appraisal.