RENEWABLE WIND POWER PROJECT BY AXIS WIND FARMS (RAYALASEEMA) PVT. LTD.

Document Prepared By EKI Energy Services Limited.

Project Title	Renewable Wind Power Project by Axis Wind Farms (Rayalaseema) Pvt. Ltd.
Project ID	2052
Project Start Date	02-March-2018
SD Contributions Reporting Period	01-January-2021 to 30-June-2021
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1 SUMMARY OF SUSTAINABLE DEVELOPMENT CONTRIBUTIONS

The main purpose of this project activity is to generate clean form of electricity through renewable wind energy source. The project involves installation of 105 MW wind project in Anantapur district of Andhra Pradesh.

The project activity utilizes 50 Suzlon made S 88 WTGs each with capacity of 2.1 MW.

This is a Greenfield project activity and the electricity generated by this wind power project displaces an equivalent amount of electricity from the grid, which is fed mainly by fossil fuel fired power plants. Hence, it results in reduction of GHG emissions. Electricity supply from grid is considered as the baseline scenario of this project.

The first phase of the project was commissioned on 02-March-2018 while the final phase was commissioned on 27-September-2018.

The scenario existing prior to the implementation of the project activity, is electricity delivered to the grid by the project activity that would have otherwise been generated by the operation of fossil-fuel dominated grid connected power plants and by the addition of new generation sources.

The total actual GHG Emission reductions achieved in first monitoring period of 02-March-2018 to 30-November-2019 are 319,405 tCO_2e through displacing 340,962.7 MWh of electricity. For the second monitoring period of 01-December-2019 to 31-December-2020, total actual GHG Emission reductions achieved are 208,479 tCO_2e through displacing 222,544.19 MWh of electricity. For the third monitoring period of 01-January-2021 to 30-June-2021, total actual GHG Emission reductions achieved are 91,594 tCO_2e through displacing 97,774.13 MWh of electricity. This clean electricity is achieved by displacing the fossil-fuel dominated electricity grid with electricity generation using wind energy resources.

The sustainable development activities that have been carried out during the current monitoring period are mentioned below:

For SDG-7: The Project has generated 97,774.13 MWh clean energy through wind project during the current reporting period.

For SDG-13: The Project has prevented the release of 91,594 tCO_2e anthropogenic emissions of greenhouse gases (GHG's) into the atmosphere during the reporting period.

2 PROJECT CONTRIBUTIONS

Table 1 : Sustainable Development Contributions

Row number	SDG Target	SDG Indicator	Net Impact on SDG Indicator	Current Project Contributions	Contributions Over Project Lifetime
1)	7.2	7.2.1: Renewable energy share in the total final energy consumption	Implemented activities to increase	About 97,774.13 MWh renewable electricity has supplied to Indian electricity grid during the reported period that helps to increase the renewable energy share in the energy mix.	About 661,281.02 MWh renewable electricity has supplied to Indian electricity grid throughout the project lifetime that helps to increase the renewable energy share in the energy mix
2)	13.2	13.2.2: Tonnes of greenhouse gas emissions avoided or removed	Implemented activities to increase	By supplying 97,774.13 MWh clean electricity (generated through Wind Power) to Indian electricity grid, the project avoided release of 91,594 tCO_2e in to the atmosphere during the reporting period.	Overall Prevented the release of 619,478 tCO_2e into the atmosphere since project commissioning.

APPENDIX 1: SUPPORTING EVIDENCE

Supporting evidences for affordable and clean energy (SDG-7) through wind power project can be referred from: https://registry.verra.org/mymodule/ProjectDoc/Project_ViewFile.asp?FileID=57725&IDKEY=j98klasmf8jflkasf8098afnasfkj98f0a9sfsakjflsakjf8dk79602775

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