



THEPARAK WIND IN THAILAND



Document Prepared By: Kosher Climate India Private Limited

Contact Information: vamsi@kosherclimate.com

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Prepared By	Kosher Climate India Private Limited
Contact	#109, 2 nd Floor, 27 th Main, Sector – 1, HSR Layout, Bangalore-560102, India Mobile: +91- 9945343475 Ph: +91- 80- 25720814 Email: carbon@kosherclimate.com , vamsi2kris@gmail.com

1 SUMMARY OF SUSTAINABLE DEVELOPMENT CONTRIBUTIONS

The proposed project activity involves the installation of 30 no of Wind Turbine Generators (WTG) in Nongwang, Bueng Prue and Samnaktakhro sub-districts of Thepharak District, Nakhonratchasima Province in Thailand.

The project supplies clean electricity from the wind power plant to the Thailand National Grid hence displacing the electricity generated from grid connected fossil fuel power plants and thereby avoiding the equivalent Carbon dioxide which is a green house gas. In the absence of the project activity, there won't be any avoidance of carbon dioxide.

During the construction and operation and maintenance of the wind power plant, it created many direct and indirect new job opportunities mostly to the local people in the project region. In the absence of the project activity, there would be no new jobs created in the project area.

As a part of regional development efforts associated with the project, during the crucial times of COVID-19 outbreak, where the people around the project region are lacking the minimum need of essentials Theparak Wind Co., Ltd has funded and supported the free Covid-19 screening check points and distributed the Covid-19 Fabric facemasks, Sanitizers, Food and Drinking water to the local community in the Nong Waeng, Dan Khun Thot District, Nakhon Ratchasima Province. . This is funded from the revenue generated from the operation of the project activity. In the absence of project activity, there would be no revenue generated from the project and hence the activity would have not occurred in the absence of the project activity.

As a part of regional development efforts associated with the project, Theparak Wind Co., Ltd has supported many education, cultural, sports & infra structure related needs for children and schools. These are funded from the revenue generated from the operation of the project activity. In the absence of project activity, there would be no revenue generated from the project and hence the activity would have not occurred in the absence of the project activity.

As a part of regional development efforts associated with the project, Theparak Wind Co., Ltd has supported the environmental preservation activities through funding the tree plantation activities undertaken in Theparak district. These are funded from the revenue generated from the operation of the project activity. . In the absence of project activity, there would be no revenue generated from the project and hence the activity would have not occurred in the absence of the project activity.

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
01	3.b	3.b.1 Proportion of the population with access to affordable medicines and vaccines on a sustainable basis	Implemented activities increase to	No activities undertaken during the present reporting period related to this SDG indicator	About 60 elders benefited from the free health camp contributed from this project since commissioning.

02	3.d	3.d Strengthen the capacity of all countries, in particular developing countries, for early warning, risk reduction and management of national and global health risks	Implemented activities to increase	PP has distributed the free fabric face masks, sanitizers, and drinking water to the elderly people in the project region during the crucial times of SARS-CoV-2 outbreak in the same year of current monitoring period. Total cost spent on this activity is funded from the project revenue. Total about 1620 people benefitted from these activities. The details are given below; • Sponsored Facemasks, sanitizers and drinking water in SAO Samnak Takhro region. 50% of the amount is funded from this project revenue. Hence, effectively 400-500 people benefitted from project contribution. • Sponsored Facemasks, sanitizers and drinking water in SAO Bung Prue region. 50% of the amount is funded from this project revenue. Hence, effectively 400-500 people benefitted from project contribution. • PP has conducted the health and hygienic camp drive in NongWaeng community to to prevent people in the area from Hemorrhagic Fever. Waste separation to destroy mosquitos, giving information and making villagers understand about Hemorrhagic Fever and how to prevent, activities observation and following up, and giving award to the best village. Out of total budget of 250000 Baht of government PP has supported with 20000 Bhat to support around 720 people out of 9096 population. Total 113,114 Baht is spent in the above activities during the reporting period Free distribution of medical essentials reduces their overall medical expenses and decreases the chance of contracting the virus and saves lives and thus contributing to SDG indicator 3.d	About 1620 people benefitted from health camps, medical essential distribution and viral fever prevention and awareness programmes since commissioning of this project
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3	4.3	4.3.1 Participation rate of youth and adults in formal and non-formal education and training in the previous 12 months, by sex	Implemented activities to increase	The PP supported the following educational & training related activities during the monitoring period. About 120 students benefited from formal & non-formal education and training. The details of the activities are given below: Supported the many school children apart from their formal education to participate and get trained on vocational education activities (Non formal) education such as organic sustainable farming, livestock growing, saloon activities etc. • Support Ban Cokkrabue School Organic Farm Project to train students in organic farming Mushroom and Raising Chicken). (50% is funded from this project). About 27 students benefited from this. • Support Ban Hing Hoi School Organic Farm Project to train students in Hydroponic farming. (50% is funded from this project). About 28 students benefited from this. • Support Ban Non Thong School Organic Farm Project to train students in organic farming. (50% is funded from this project). About 40 students benefited from this. • Sponsored to english training camp for 50 school children in Theparak School Network. (25% is funded from this project). Hence effectively 25 school children benefited from this project. Total 78,600 Baht is spent in the above activities during the reporting period. These activities will help in increasing the participation rate of youth and adults in formal and non-formal education and training. Thus, the project contributes to SDG indicator 4.3.1 It shall be noted that the children benefited in this monitoring period are new children who were not counted in the previous monitoring period	Total 440 school children are benefitted from this activity since commissioning.
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4	4.a	4.a.1 Proportion of schools offering basic services, by type of service	Implemented activities to increase	PP has provided funds to the schools in project area to improve the following infrastructure facilities in the school: PP has funded to Ban Mai Jaroen Phon School for the renovation of old toilet to new separate toilets for both Boys and Girls in the school. (50% is funded from this project). Effectively 05 Teachers and 14 students benefited from this. Total 14,050 Baht is spent in the above activities during the reporting period. Since the activity undertaken is a infrastructure development to provide basic services to schools, the project contributes to SDG indicator 4.a.1	Total 31 students benefitted from this project since commissioning of the project
5	7.2	7.2.1 Renewable energy share in the total final energy consumption	Implemented activities to increase	About 307,514 MWh renewable electricity has supplied to Thailand National grid during the reported period that helps to increase the renewable energy share in the energy mix.	Since commissioning, about 546,600 MWh renewable electricity has supplied to Thailand National grid till this monitoring that helps to increase the renewable energy share in the energy mix.
6	8.5	8.5.2 Unemployment rate, by sex, age and persons with disabilities	Implemented activities to increase	No new employment has been created during the current monitoring period.	The project has created about 8 permanent jobs since commissioning.
7	13.0	13.0 Tonnes of greenhouse gas emissions avoided or removed	Implemented activities to increase	By supplying 307,514 MWh clean electricity to national grid, the project avoided release of 175,036 tCO ₂ in to the atmosphere during the reporting period and contributed to the sustainable development goal 13.	Prevented the release of 311,123 tCO ₂ into the atmosphere since its commissioning.

8	15.3	15.3.1 Proportion of land that is degraded over total land area	Implemented activities to decrease	The PP has provided funding for the tree plantation activity in Theparak district to plant the tress in the 15 ha degraded lands. (33% of the amount is spent from the revenue of this project). Effectively the project contributed to restoration of 5 ha of degraded land through tree plantation. Total 10,000 Bhat is spent in the above activities during the reporting period. This will increase the restoration of degraded lands, soil, including land affected by desertification, drought and floods, and strive to achieve a land degradation-neutral world. Thus the project contributes to SDG indicator 15.3.1	Around 5 hectares of degraded land is environmentally restored by planting tree samplings since commissioning till this monitoring period.
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APPENDIX 1: SUPPORTING EVIDENCE

3. d Distribution of Facemasks, Sanitizer and Drinking water



Also refer Sponsorship Report and supporting documents for more details

<https://drive.google.com/file/d/1GY3aj1EEbTqCSkgICRCw1f2VW6BUBtPq/view?usp=sharing>

<https://drive.google.com/drive/folders/1EiCivkiltqLVK7I3Y49y8eOA3phY4ml8?usp=sharing>

4.3.1: Supporting School children for English training and Organic farming project at following three schools

1. Ban Cokkrabue School 2. Ban Hing Hoi School 3. Ban Non Thong School 4. Theparak school network and 5. Ban wong samboon school



Also refer Sponsorship Report and supporting documents for more details

<https://drive.google.com/file/d/1GY3aj1EEbTqCSkgICRCw1f2VW6BUBtPq/view?usp=sharing>

<https://drive.google.com/drive/folders/1EiCivkiltqLVK7I3Y49y8eQA3phY4ml8?usp=sharing>

4.a.1: Renovation of School Toilet at Ban Mai Jaroen Phon School



Also refer Sponsorship Report and supporting documents for more details

<https://drive.google.com/file/d/1GY3aj1EEbTqCSkgICRCw1f2VW6BUBtPg/view?usp=sharing>

<https://drive.google.com/drive/folders/1EiCivkiltqLVK7I3Y49y8eQA3phY4ml8?usp=sharing>

15.3.1: Plantation of trees in Theparak District



Also refer Sponsorship Report and supporting documents for more details

<https://drive.google.com/file/d/1GY3aj1EEbTqCSkgICRCw1f2VW6BUBtPg/view?usp=sharing>

<https://drive.google.com/drive/folders/1EiCivkiltqLVK7I3Y49y8eQA3phY4ml8?usp=sharing>

7.2.1: About 239,086 MWh renewable electricity has supplied to Thailand National grid during the reported period that helps to increase the renewable energy share in the energy mix.

Supporting document:

Please refer VCS Monitoring report and Verification Report:

<https://registry.terra.org/app/projectDetail/VCS/2002>

13.0.By supplying 307,514 MWh clean electricity to national grid, the project avoided release of 175,036 tCO₂ in to the atmosphere during the reporting period.

Supporting document:

Please refer VCS Monitoring report and Verification Report:

<https://registry.terra.org/app/projectDetail/VCS/2002>