



Verified Carbon Standard

KINIK WIND POWER PLANT

Project title	Kinik Wind Power Plant
Project ID	1732
Monitoring period	01-July-2022 to 31 -December-2025
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PROJECT DETAILS

1.1 Summary Description of the Implementation Status of the Project

The Kinik Wind Power Plant (hereafter referred to as the “Project” or “Kinik WPP”), Türkiye, which is developed by Esinti Enerji Üretim Ticaret ve Sanayi Anonim Şirketi (hereafter referred to as the “Project owner”) is a wind power plant in Kinik County of İzmir Province, Türkiye. The Project has been implemented and operated by Esinti Enerji Üretim Ticaret ve Sanayi Anonim Şirketi.

The project aims to generate electricity from wind energy and feed it to the national electricity grid.

The installed capacity of the project is 54.4 MWm/50 MWe¹, consisting of 17 wind turbines, with an estimated power supply to the grid of 165,000 MWh of net electricity generation per annum. The project is connected to the İzmir Havza Substation via a 154 kV high voltage transmission line.

The estimated amount of GHG emission reduction is 90,271 tonnes CO₂e per year in the registered PD. During its operation during this monitoring period, the actualized net electricity generation is 611,244.29 MWh. The actual emission reduction has been calculated as 334,411 tCO₂e for this monitoring period.

The project has produced positive environmental benefits such as displacing the electricity generated by fossil fuel fired power plants by utilising renewable resources so as to avoid environmental pollution and GHG emissions.

The project includes 17 units of Siemens SWT-3.2-108 type turbines, 16 of them having a capacity of 3.2 MWm/3.0 MWe and one of them having a capacity of 3.2 MWm/2.0 MWe.

The project start date is 05-December-2016, which corresponds to the date of the initial acceptance protocol issued by the Ministry of Energy and Natural Resources.²

1.2 Audit History

Audit type	Period	Program	Validation/verification body name	Number of years
Validation	05-December-2016 to 04-December-2026	VCS	BUREAU VERITAS CERTIFICATION HOLDING SAS	10 years 0 months

¹ Generation license

² Registered PD, v0.3, dated 5 December 2017

1st Verification	05-December-2016 to 28-February-2019	VCS	Re Carbon Gözetim Denetim ve Belgelendirme Ltd. Şti.	2 years 3 months
2nd Verification	01-March-2019 to 30-April-2021	VCS	Re Carbon Gözetim Denetim ve Belgelendirme Ltd. Şti.	2 years 2 months
3rd Verification	01-May-2021 to 30-June-2022	VCS	Re Carbon Gözetim Denetim ve Belgelendirme Ltd. Şti.	1 year 2 months
4th Verification	01-July-2022 to 31-December-2025	VCS	RINA Services S.p.A.	3 years 6 months

1.3 Sectoral Scope and Project Type

Sectoral scope ³	1
Project activity type	"Energy industries (renewable - / nonrenewable sources)"

1.4 Project Proponent

Organization name	Esinti Enerji Üretim Ticaret ve Sanayi A.Ş.
Contact person	Gül Topal
Title	Commercial Operations and Carbon Manager
Address	Çamlıca İş Merkezi Ünalın Mahallesi Ayazma Caddesi B1 Blok Üsküdar 34700 / İstanbul
Telephone	(+90) 216 217 11 00
Email	gul.topal@entekelektrik.com.tr

1.5 Other Entities Involved in the Project

Organization name	Sekans Enerji Ltd. Şti.
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³ Projects, activities, or methodologies may be developed under any of the 16 VCS sectoral scopes: <https://verra.org/programs/verified-carbon-standard/vcs-program-details/#sectoral-scopes>

Role in the project	Consultant
Contact person	Sıla Duran
Title	Consultant
Address	Emniyet Evleri mah. Eski Büyükdere cad. No: 1/1 İç Kapı No: 1B04 Kağıthane/İstanbul
Telephone	+90 (532) 438 30 29
Email	sila@sekansdanismanlik.com

1.6 Project Start Date

Project start date	05-December-2016
Justification	The date is the date of the initial acceptance protocol issued by the Ministry of Energy and Natural Resources commissioning of the project.

1.7 Project Crediting Period

Crediting period	☐ Seven years, twice renewable ☐ Ten years, fixed ☒ Other The Project's crediting period type renewable crediting. The Project's crediting period is ten years renewable twice: 05/12/2016 - 04/12/2026 (both days are included).⁴
Start and end date of first or fixed crediting period	05-December-2016 to 04-December-2026

1.8 Project Location

The project is located in Kinik District of İzmir Province in Türkiye. The site includes no planning or existing radar, private or government facility, public works and national park. The nearest residential area to the project activity is Kodukburun Village.

⁴ The validation of the project activity was carried out in accordance with the VCS criteria specified in the VCS standard v3.4. According to this standard, the project crediting period was chosen as 10 years and renewable twice.

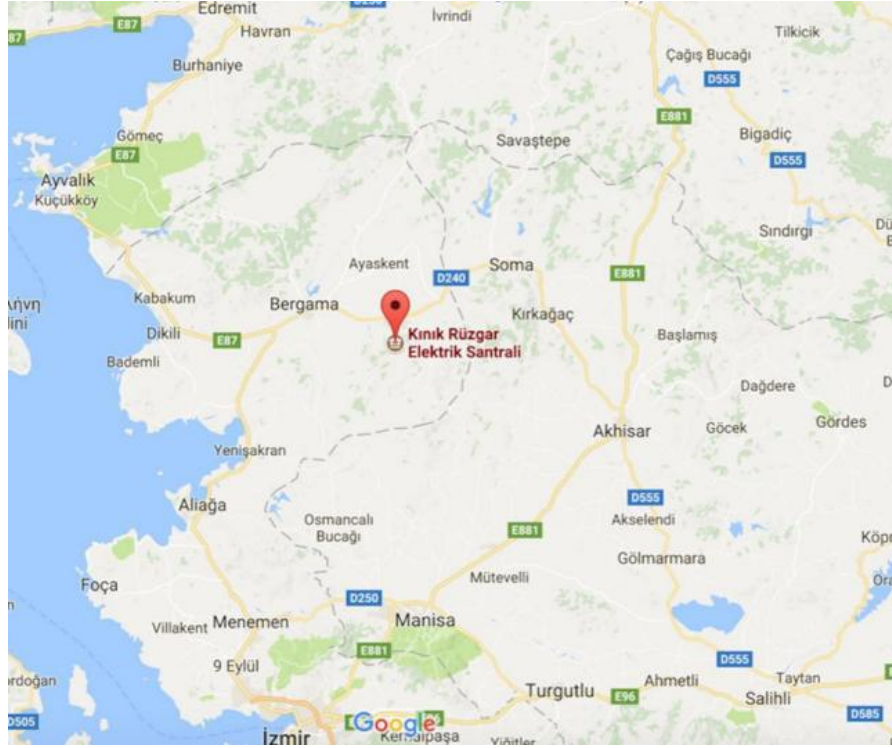


Figure 1. Location of Kinik Wind Power Plant

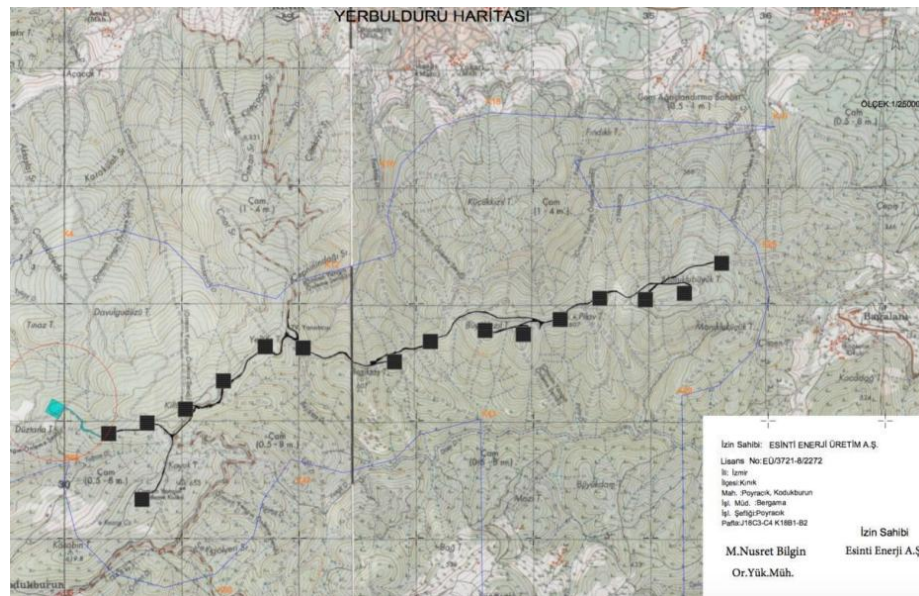


Figure 2. Location of Kinik Wind Power Plant

Table 1 – Geographical coordinates of the wind turbines of the project activity⁵

	E	N		E	N
T1	530.661	4.322.331	T10	533.119	4.323.676
T2	529.919	4.323.104	T11	533.586	4.323.771
T3	530.376	4.322.892	T12	533.910	4.323.738
T4	530.705	4.322.982	T13	534.226	4.323.864
T5	531.031	4.323.101	T14	534.563	4.324.044
T6	531.355	4.323.341	T15	534.952	4.324.032
T7	531.711	4.323.632	T16	535.285	4.324.086
T8	532.035	4.323.621	T17	535.602	4.324.342
T9	532.813	4.323.503			

1.9 Title and Reference of Methodology

Type (methodology, tool or module).	Reference ID, if applicable	Title	Version
Methodology	ACM0002	Largescale Consolidated Methodology - Grid-connected electricity generation from renewable sources	17.0 ⁶
Tool	07	Tool to calculate the emission factor for an electricity system	06.0 ⁷

⁵ Generation License

⁶ <https://cdm.unfccc.int/UserManagement/FileStorage/D5YFS9I3VKBT18MQNGX0LPZ6U7AWCO>
⁷ <https://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-07-v6.pdf>

Tool	01	Tool for the demonstration and assessment of additionality	07.0.0 ⁸
Tool	02	Combined tool to identify the baseline scenario and demonstrate additionality	06.0 ⁹
Tool	10	Tool to determine the remaining lifetime of equipment	01 ¹⁰

1.10 Double Counting and Participation under Other GHG Programs

1.10.1 No Double Issuance

Is the project receiving or seeking credit for reductions and removals from a project activity under another GHG program?

☐ Yes ☒ No

1.10.2 Registration in Other GHG Programs

Was the project registered or seeking registration under any other GHG programs?

☐ Yes ☒ No

1.11 Double Claiming, Other Forms of Credit, and Scope 3 Emissions

1.11.1 No Double Claiming with Emissions Trading Programs or Binding Emission Limits

Are project reductions and removals or project activities also included in an emissions trading program or binding emission limit? See the VCS Program Definitions for definitions of emissions trading program and binding emission limit.

☐ Yes ☒ No

1.11.2 No Double Claiming with Other Forms of Environmental Credit

Has the project activity sought, received, or is planning to receive credit from another GHG-related environmental credit system? See the VCS Program Definitions for definition of GHG-related environmental credit system.

☐ Yes ☒ No

⁸ <https://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-01-v7.0.0.pdf>

⁹ <https://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-02-v6.0.pdf>

¹⁰ <https://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-10-v1.pdf>

1.11.3 Supply Chain (Scope 3) Emissions

Do the project activities affect the emissions footprint of any product(s) (goods or services) that are part of a supply chain?

☐ Yes ☒ No

Is the project proponent(s) or authorized representative a buyer or seller of the product(s) (goods or services) that are part of a supply chain?

☐ Yes ☒ No

Has the project proponent(s) or authorized representative posted a public statement on their website saying, "Carbon credits may be issued through the Verified Carbon Standard project [project ID] for the greenhouse gas emission reductions or removals associated with [project proponent or authorized representative organization name(s)] [name of product(s) whose emissions footprint is changed by the project activities]."

☐ Yes ☒ No

1.12 Sustainable Development Contributions

During this monitoring period, the project activity has generated 611,244.29 MWh as contributing to SGD 7 Affordable and Clean Energy and thus prevented 611,244.29 MWh electricity generation from fossil fuels.

During this monitoring period, the project activity has contributed to SDG 13 Climate Action as reducing 334,411 tonnes CO₂. By producing electricity from wind energy, the project activity has prevented the release of 334,411 tonnes of carbon into the atmosphere during the reporting period.

As contributing to SDG 8 Decent Work and Economic Growth, one Plant Manager, six Operations Engineers and Technicians are responsible for the project activity. Besides this, one staff kitchen member and five subcontracted service personnel are working for the Project Activity. In total, there are thirteen employees. The project activity contributes to the economic development of the region by providing sustainable energy resources.

Table 2: 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	Prevented 611,244.29 MWh electricity generation from fossil fuels.	Prevented the generation of 1,357,625.23 MWh electricity generation from fossil fuels.
2)	8.2	Job creation for local people in a high value-added sector	Implemented activities to decrease/increase	During construction and operational period, the project activity has created employment opportunities for the local community. The project contributes to the economic development of the region by providing sustainable energy resources. Job has been created for 13 employees.	As contributing to SDG 8 Decent Work and Economic Growth, one Plant Manager, six Operations Engineers and Technicians are responsible for the project activity. Besides this, one staff kitchen member and five subcontracted service personnel are working for the Project Activity. In total, there are thirteen employees. The project activity contributes to the economic development of the region by providing sustainable energy resources.

3)	13.0	Tonnes of greenhouse gas emissions avoided or removed	Implemented activities to increase	By producing electricity from wind energy, the project activity has prevented the release of 334,411 tonnes of carbon into the atmosphere during the reporting period.	Prevented the release of 742,742 tonnes of carbon into the atmosphere.
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1.13 Commercially Sensitive Information

No commercially sensitive information has been excluded from the public version of the monitoring report.

2 SAFEGUARDS AND STAKEHOLDER ENGAGEMENT

2.1 Stakeholder Engagement and Consultation

2.1.1 Stakeholder Identification

Stakeholder Identification	Residents of Kodukburun and Mustaklar Villages A comprehensive stakeholder identification process was carried out to determine the groups likely to be affected by the project activity. This process included reviewing the project's scope, location, and technical requirements; analyzing potential environmental and social impact pathways; and engaging with local authorities, experts, and community representatives. Through this approach, the stakeholders identified include local residents and landowners near the project site.
Legal or customary tenure/access rights	The project activity has all tenure and access rights.
Stakeholder diversity and changes over time	Most of the stakeholders are residents from Kodukburun and Mustaklar Villages, Kinik District of İzmir Province, Türkiye. There is no change regarding the stakeholders.
Expected changes in well-being	The Project activity has resulted in the creation of new jobs in the project region and improvement in local roads, contributing to uplifting the living standards in the region. Moreover, the project proponent has provided contributions in kind to the local community, although these activities are not required legally. As a result, the community is supporting the project activity, and they

	believe that it creates a momentum for sustainable local development.
Location of stakeholders	Kodukburun and Mustaklar Villages, Kinik County of İzmir Province, Türkiye
Location of resources	There is no agricultural area in the project area and the land was owned by the state. The delivery minutes for the permitted land were taken from the General Directorate of Forestry on 13/11/2015 ¹¹ .

2.1.2 Stakeholder Consultation and Ongoing Communication

Ongoing consultation	The contact information of the plant responsible is available at Mukhtar. The local community can always reach the project proponent through the Mukhtar. The project proponent regularly checks with Mukhtar whether there are any complaints or requests. Any complaint or need from the local community could directly be received by the project proponent and appropriate contributions or improvements are made to the local community. The project proponent has established very good communication and relations with the local people.
Date(s) of stakeholder consultation	The project activity received an Environmental Impact Assessment (EIA) Exemption Decision. In this procedure, a stakeholder consultation meeting is not mandatory to be held. ¹²
Communication of monitored results	Stakeholders can directly reach the plant manager if they have any complaints/opinions. In cases where stakeholders need to be informed, the project proponent informs the stakeholders through the Mukhtar.
Consultation records	The project activity had received an “Environmental Impact Assessment Not Required” decision on 15/02/2012. In this procedure, a stakeholder consultation meeting is not mandatory to be held.

¹¹ All relevant documents have been provided to VVB.

¹² Registered PD

Stakeholder input	In general, stakeholders are satisfied with the project activity. They do not have any negative comments or complaints about the project activity. We confirm the inputs received during ongoing communications did not lead to any project design change.
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2.1.3 Free, Prior, and Informed Consent

Consent	Relevant permits were obtained during the validation period. The project secured consent through inclusive community consultations, involving Indigenous Peoples (IPs), Local Communities (LCs), and NGOs. Extensive engagement, transparent information sharing, and acknowledgment of customary rights were key. Continuous monitoring and evaluation demonstrate the commitment to transparency and positive community outcomes. The absence of ongoing conflicts reflects the project's success in aligning with stakeholder interests and maintaining a harmonious relationship with the community.
Outcome of FPIC	The Free, Prior, and Informed Consent (FPIC) process for the project resulted in a positive outcome. Transparent agreements were reached with Indigenous Peoples (IPs), Local Communities (LCs), and NGOs. The information disclosed included project details, potential impacts, and benefits, ensuring stakeholders' understanding. Assurance is provided that the project adheres to ethical standards - no encroachment on existing land occurred, and no forced physical or economic displacement took place. The project utilized unused, greenfield land, and the absence of relocation signifies the commitment to responsible and sustainable development practices.

2.1.4 Grievance Redress Procedure

Grievances received	Resolution and outcome
No negative inputs were received during this monitoring period.	It is important for the project proponent to monitor the ongoing stakeholder engagement process to ensure that consultation and disclosure efforts are effective and that stakeholders submitting complaints are meaningfully consulted throughout the process. Therefore, a stakeholder engagement plan is created by the project proponent. The facility manager's contact information is available at Mukhtar, the project proponent and the local people are in constant contact. The project proponent regularly checks with the Mukhtar whether there are any complaints or requests. Any complaints or needs of the local community can be addressed directly to the project proponent and appropriate contributions or improvements will be made to the local community.

2.1.5 Public Comments

Summary of comments received	Actions taken
There hasn't been any public consultation during this monitoring period. There haven't been "any comments received outside of the public comment period.	N/A

2.2 Risks to Stakeholders and the Environment

2.2.1 Management Experience

The project proponent has a qualified management team with proven experience in developing and operating wind power plants and engaging with local communities.

Esinti Enerji Üretim Ticaret ve Sanayi A.Ş. is an experienced company in the energy sector, operating under Entek Elektrik Üretimi A.Ş. With a strong background in renewable energy, the company specializes in electricity generation through various sources, including

hydroelectric, wind, and natural gas combined cycle power plants. As part of Entek Elektrik, which has a diverse portfolio in renewable energy investments, Esinti Enerji Üretim Ticaret ve Sanayi A.Ş. has gained extensive expertise in energy production, grid integration, and sustainable power solutions. Its longstanding presence in the sector demonstrates its capability in managing and optimizing energy resources efficiently.

Employees have received comprehensive training in technical operations, environmental management, and health and safety standards. Where needed, partnerships with consultants and local organizations provide additional expertise, and a recruitment and training strategy addresses any gaps. Experienced EPC contractors with ISO 9001 and ISO 14001 certifications ensured effective implementation and compliance with international standards.

SEKANS ENERJİ LTD. ŞTİ is the carbon consultant of the project activity.

2.2.2 Risk assessment

	Risk identified	Mitigation or preventative measure(s) taken
Natural and human-induced risks to stakeholders' wellbeing	No risk identified	The project activity site is located in a low-risk area with no history of natural disasters such as earthquakes, floods, or landslides. It complies with all relevant local and international safety regulations, including occupational health and safety standards, to ensure the protection of employees and stakeholders. Additionally, the project activity does not involve hazardous materials or processes that could pose risks related to pollution, accidents, or health hazards. Regular monitoring systems and emergency response plans have been established to address any unforeseen events, further safeguarding stakeholders. Community engagement activities and stakeholder consultations were conducted, and no concerns regarding safety or wellbeing were identified. Based on this evaluation, it is concluded that the project activity poses no

		significant risks to stakeholders' wellbeing, either from natural or human-induced causes.
Risks to stakeholder participation	No risk identified	Stakeholders are involved in every stage of informing about the project activity. The complaint mechanism is fully functioning.
Working conditions	No risk identified	All necessary training regarding the health and safety of employees is provided. Child labor as defined in the ILO Minimum Age Convention is not permitted. The Project Proponent ensures that there is no forced labor, and that all employment complies with national occupational and occupational health and safety laws, obligations under international law, and the principles and standards and essential conventions of the International Labor Organization (ILO). The sanitation conditions and facilities at the construction site have been carefully planned in accordance with health and safety regulations. Adequate restrooms, washing stations, and access to clean water have been provided for workers. Regular maintenance and cleaning schedules are implemented to maintain hygiene standards, and waste management procedures have been put in place to prevent environmental and health risks. Additionally, proper drainage and wastewater disposal systems have been integrated to ensure a safe and sanitary working environment.
Safety of women and girls	No risk identified	The project does not endanger the safety of girls and women. Türkiye has implemented Law No. 6284 on the Protection of the Family and the Prevention of Violence Against Women (2012)¹³ to protect women and girls from

¹³ <https://www.mevzuat.gov.tr/mevzuatmetin/1.5.6284.pdf>

		violence, offering protective measures such as restraining orders and emergency support services. This law is critical in addressing domestic and gender-based violence. Internationally, Türkiye ratified the Convention on the Elimination of All Forms of Discrimination Against Women (CEDAW)¹⁴ in 1985. This agreement obliges Türkiye to eliminate discrimination against women in all areas and ensure equal rights and protections.
Safety of minority and marginalized groups, including children	No risk identified	The project does not jeopardize the safety of minorities and isolated groups, including children. Child Protection Law No. 5395 (2005)¹⁵ safeguards children from neglect, abuse, and exploitation. It focuses on protecting marginalized and vulnerable groups, ensuring their rights and well-being are prioritized. Türkiye also ratified the UN Convention on the Rights of the Child (UNCRC) in 1995¹⁶, ensuring that all children, regardless of their background, have access to protection, education, and care.
Pollutants (air, noise, discharges to water, generation of waste, and release of hazardous materials and	No risk identified	The project is a wind energy project. By evaluating the environmental impacts of the project activity, "EIA not Required" certificate was obtained from the Ministry of Environment and Urbanization on 15-February-2012.

¹⁴ https://treaties.un.org/Pages/ViewDetails.aspx?src=TREATY&mtdsg_no=IV-8&chapter=4&clang=_en

¹⁵ <https://www.mevzuat.gov.tr/mevzuatmetin/1.5.5395.pdf>

¹⁶ https://treaties.un.org/Pages/ViewDetails.aspx?src=TREATY&mtdsg_no=IV-11&chapter=4&clang=_en

chemical pesticides and fertilizers)		Domestic wastewater generated during the construction phase and operation phase has been collected in non-leaking septic tanks pursuant to the national ‘Regulation on pit holes to be made for the sites where sewer construction is not possible’ (Date: 19.03.1971, No: 13783). Wastewater collected in the septic tanks has been withdrawn by the Municipality via sewage vacuum truck and discharged to the sewerage system. Water consumption from the project activity during operation phase has been limited to domestic water use of the personnel. The domestic solid waste generated during the construction phases is collected in standard closed trash bags after separation of recyclable materials and properly disposed of in sanitary landfills shown by the Municipality as required by the National Solid Waste Control Regulation (Date: 05.04.2005, No: 25777). Oil tanks are isolated with concrete linings to prevent any leakage, and the waste oil is removed by a licensed hauler’. Oil waste, grease and fuels which might result from the maintenance of vehicles are handled pursuant to the Regulation on Control of Oil Wastes (Date: 30.07.2008, No: 26952). The project activity is intended for replacing electricity generated from combustion of fossil fuels hence eliminated the NO_x, SO_x, and particulate emissions as well as the GHG emissions. The regulation on “Control of air pollution from the Industrial Facilities” has been complied with during the construction and operation phase.
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2.3 Respect for Human Rights and Equity

2.3.1 Labor and Work

	Risks identified ¹⁷	Mitigation or preventative measure(s) taken
Discrimination	No risk identified	The project does not involve and is not complicit in any form of discrimination based on gender, race, religion, sexual orientation or any other basis.
Sexual harassment	No risk identified	The Turkish Penal Code (TCK), Articles 122 and 105, criminalizes discrimination and sexual harassment, ensuring equality and protection in workplaces and public spaces.¹⁸ On an international level, Türkiye ratified the ILO Convention No. 111 – Discrimination (Employment and Occupation)¹⁹ in 1966. This convention prohibits discrimination based on gender, race, religion, or other factors in employment.
Gender equity in labor and work	No risk identified	The project does not reduce access to or control of resources for women. The project does not involve any form discrimination in any kind of form. The project respects the employees' freedom of association and their right to collective bargaining and is not complicit in restrictions of these freedoms and rights.

¹⁷ The identified risks and commensurate mitigation or preventative measure(s) for forced labor, child labor, and human trafficking, must be inclusive of staff and contracted workers employed by third parties.

¹⁸ <https://www.mevzuat.gov.tr/mevzuatmetin/1.5.5237.pdf>

¹⁹ <https://www.ilo.org/tr/resource/111-nolu-ayirimcilik-ve-meslek-sozlesmesi>

		Article 5 of the Turkish Labor Law No. 4857²⁰ ensures that men and women receive equal treatment in employment, prohibiting any form of discrimination in hiring, wages, or working conditions. Türkiye ratified the ILO Convention No. 100 - Equal Remuneration Convention in 1966²¹, committing to equal pay for men and women for work of equal value.
Forced labor	No risk identified	Child labour is not allowed. The Project Proponent ensures that there is no forced labour, and that all employment is in compliance with national labour and occupational health and safety laws, with obligations under international law, and consistency with the principles and standards embodied in the International Labour Organization (ILO) fundamental conventions.
Child labor	No risk identified	Articles 71-73 of the Turkish Labor Law No. 4857²² regulate the employment of minors, setting a minimum age of 15 and ensuring protective conditions for young workers. Internationally, Türkiye ratified the ILO Convention No. 138 - Minimum Age²³ in 1998, setting a minimum working age of 15. Additionally, Türkiye ratified the ILO Convention No. 182 - Worst Forms of Child Labour²⁴ in 2001, focusing on eliminating hazardous and exploitative labor for children.

²⁰ <https://www.mevzuat.gov.tr/mevzuatmetin/1.5.4857.pdf>

²¹ <https://www.ilo.org/tr/resource/100-nolu-esit-ucet-sozlesmesi>

²² <https://www.mevzuat.gov.tr/mevzuatmetin/1.5.4857.pdf>

²³ <https://www.ilo.org/tr/resource/138-nolu-asgari-yas-sozlesmesi>

²⁴ <https://www.ilo.org/tr/resource/182-nolu-en-kotu-bicimlerdeki-cocuk-isciliginin-yasaklanmasi-ve-ortadan>

Human trafficking	No risk identified	Human Trafficking is not allowed. Article 80 of the Turkish Penal Code (TCK)²⁵ criminalizes human trafficking, with severe penalties for offenders involved in exploitation, forced labor, and sexual exploitation. Türkiye also ratified the UN Palermo Protocol (2000)²⁶ in 2003, which aims to prevent and combat human trafficking, particularly for women and children.
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2.3.2 Human Rights

Türkiye is a party to European Convention on Human Rights since 18-May-1954.²⁷

The project proponent respects internationally proclaimed human rights including dignity, cultural property and uniqueness of indigenous people. The project activity is not complicit in Human Rights abuse.

Risks identified	Mitigation or preventative measure(s) taken
No risk identified	The project activity is not located in the vicinity of any cultural heritage site, and no impact on local cultural heritage has been identified. The project activity did not get any penalty from the authorities and can go on its operations under Social Security Institution.

2.3.3 Indigenous Peoples and Cultural Heritage

There is no resettlement issue associated with the Project activity. There are no Indigenous Peoples affected by the project activity. The project activity is not located in the vicinity of any cultural heritage site, and no impact on local cultural heritage has been identified. A thorough assessment was conducted to ensure that the project activity does not affect any historically or culturally significant areas. Additionally, consultations with relevant authorities

²⁵ <https://www.mevzuat.gov.tr/mevzuatmetin/1.5.5237.pdf>

²⁶ <https://www.unodc.org/unodc/en/human-trafficking/protocol.html>

²⁷Please See Official Website of Ministry of Foreign Affairs of Türkiye: <http://www.mfa.gov.tr/the-european-convention-on-human-rights.en.mfa>

and stakeholders confirmed that the project activity does not interfere with or pose a risk to local cultural heritage in any form.

Risks identified	Mitigation(s) or preventative measure taken
No risk identified	The project activity is not located in the vicinity of any cultural heritage site, and no impact on local cultural heritage has been identified.

2.3.4 Property Rights

All permits for the project activity site were obtained during the validation period.

The project activity has taken all necessary measures regarding ownership, access, and intellectual property rights, ensuring full compliance with stakeholders. All land within the project activity area has been legally acquired through expropriation or mutual agreements with the owners. No private or customary property rights have been violated.

The project activity has been developed in full compliance with relevant legal regulations and water allocation plans to ensure the sustainable management of water resources. The rights of agricultural, industrial, and domestic water users in the region have been preserved.

All necessary licenses and permits have been obtained for the engineering designs, technologies, and processes used. No violations of intellectual property rights have occurred during the development of the project activity.

The traditional access of local communities to water resources and natural areas has not been restricted in any way, and alternative solutions have been provided for affected groups. The stakeholder engagement process has incorporated the views of local communities, integrating them into the project activity.

Environmental and social impact assessments have been completed, and the project activity has been designed to prevent any harm to the environment. Any potential impacts on access to natural resources have been identified and minimized.

As a result, the wind power plant project activity fully complies with all ownership and stakeholder rights and does not pose any legal or social risks.

Risks identified	Mitigation or preventative measure(s) taken
No risk identified	No private or customary property rights have been violated. No private or customary property rights have been violated. No violations of intellectual property rights have occurred during the development of the project activity. Any potential impacts on access to natural resources have been identified and minimized.

2.3.5 Benefit Sharing

There is no benefit sharing in the project activity. The project owner, although not legally obliged to do so, has made in-kind contributions to the local community.

Summary of the benefit sharing plan	N/A
Benefit sharing during the monitoring period	N/A

2.4 Ecosystem Health

"EIA-not-Required" certificate from Ministry of Environment and Urbanization was obtained on 15-February-2012 as assessing the environmental impacts of the project activity.

	Risk identified	Mitigation or preventative measure(s) taken during the monitoring period
Impacts on biodiversity and ecosystems	No risk identified	During the monitoring period of the wind power plant, several preventative measures were implemented to minimize potential impacts on biodiversity and local ecosystems. Since the facility is not located on a major bird migration route, the risk of bird collisions remained low. No habitat alteration or relocation was necessary, as the project

		area did not interfere with ecologically sensitive zones. Regular environmental monitoring and data analysis were conducted to verify the effectiveness of these measures, ensuring that ecological integrity was maintained throughout the operational phase.
Soil degradation and soil erosion	No risk identified	The domestic solid waste generated during the construction phases is collected in standard closed trash bags after separation of recyclable materials and properly disposed of in sanitary landfills shown by the Municipality as required by the National Solid Waste Control Regulation (Date: 05.04.2005, No: 25777). Oil tanks are isolated with concrete linings to prevent any leakage, and the waste oil is removed by a licensed hauler'. Oil waste, grase and fuels which might result from the maintenance of vehicles are handled pursuant to the Regulation on Control of Oil Wastes (Date: 30.07.2008, No: 26952).
Water consumption and stress	No risk identified	Domestic wastewater generated during the construction phase and operation phase has been collected in non-leaking septic tanks pursuant to the national 'Regulation on pit holes to be made for the sites where sewer construction is not possible' (Date: 19.03.1971, No: 13783). Wastewater collected in the septic tanks has been withdrawn by the

		Municipality via sewage vacuum truck and discharged to the sewerage system. Water consumption from the project activity during operation phase has been limited to domestic water use of the personnel.
Usage of fertilizers	No risk identified	The project is a wind energy project. Fertilizer use is not necessary in wind power plants since there is no agricultural activity involved.

2.4.1 Rare, Threatened, and Endangered species

Species or habitat	There aren't any endangered species identified as potentially present within the Project boundary (including those that may route through the area). The Project does not potentially impact other areas where endangered species may be present through transboundary affects.
Areas needed for habitat connectivity	The wind power plant does not cause any harm to these areas needed for habitat connectivity. According to the official Environmental Impact Assessment (EIA) document, the Kinik Wind Power Plant project has been evaluated, and the precautions outlined against environmental impacts were deemed sufficient. Consequently, an 'EIA Not Required' decision was issued on 15-February-2012.

	Risks identified	Mitigation or preventative measure(s) taken
Habitats for rare, threatened, and endangered species	N/A	N/A
Areas for habitat connectivity	N/A	N/A

2.4.2 Introduction of species

Species introduced	Classification	Justification for use	Adverse effects and mitigation
N/A	N/A	N/A	N/A

Existing invasive species	Mitigation measures to prevent the spread or continued existence of invasive species
N/A	N/A

	Risks identified	Mitigation or preventative measure(s) taken
Invasive species	N/A	N/A

2.4.3 Ecosystem conversion

The project is not an “Afforestation, Reforestation and Revegetation” (ARR), “Agricultural Land Management” (ALM), “Wetlands Restoration and Conservation” (WRC) or “Avoided Conversion of Grasslands and Shrublands” (ACoGS) project.

	Risks identified	Mitigation or preventative measure(s) taken
Ecosystem conversion	N/A	N/A

3 IMPLEMENTATION STATUS

3.1 Implementation Status of the Project Activity

The description of the implementation and operational status of the project and the installed technology(ies), technical process and equipment are detailed in Section 1.1.

There hasn't been any event that impacted the GHG emission reductions or removals and monitoring of the project activity.

Other entity involved in the project was Borga Karbon Danışmanlık İthalat İhracat ve Pazarlama Ticaret Ltd. Şti. in the project description. However, it's been changed as Sekans Danışmanlık after the 1st Monitoring Period.

Table 3 - Key technical specifications of wind turbines²⁸

Parameter	Value
Manufacturer	Siemens
Turbine Model / Type	SWT-3.2-108 Direct Drive (DD)
Rated Power	16 x 3.2 MWm/3.0 MWe + 1 x 3.2 MWm/2.0 MWe
Number of blades	3
Rotor Diameter	108 m
Hub Height	79.5 m
Cut-in / cut-off win speed	3 m/s – 25 m/s

Table 4 - Key technical specifications of generators²⁹

Parameter	Value
Manufacturer	Siemens LD
Power	0-3200 kW
Voltage	690 V
Frequency	47-52 Hz
Revs	14,4-16,5 rpm
Power Factor:	0-0.9 (Inductive/Capacitive)
Current	2678 A

²⁸Provisional Acceptance Protocols

²⁹ Provisional Acceptance Protocols

Table 5 – Milestones of the Project Activity

Date (Period)	Activity
15/02/2012	EIA-not-Required certificate
08/03/2012	Licence received from EPDK
23/05/2014	Turbine contract
20/04/2015	Bank Loan Agreement
17/11/2015	Construction Agreement
26/09/2016	Final Licence Amendment from EPDK
05/12/2016	Start date of producing electricity by Ministry of Energy and Natural Resources Acceptance
05/12/2016	Commissioning Date of 1 st Phase (Turbines # 1,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17)
05/12/2016	1 st Crediting Period start date
05/12/2016	1 st Monitoring Period start date
10/05/2018	Commissioning Date of 2 nd Phase (Turbine # 2)
28/02/2019	1 st Monitoring Period end date
01/03/2019 - 30/04/2021	2 nd Monitoring Period
01/05/2021 - 30/06/2022	3 rd Monitoring Period
01/07/2022 - 31/12/2025	4 th Monitoring Period
04/12/2026	1 st Crediting Period end date

3.2 Deviations

3.2.1 Methodology Deviations

There are no methodological deviations applied during this monitoring period and previous monitoring period.

3.2.2 Project Description Deviations

- Other entity involved in the project was Life İklim ve Enerji Ltd. Şti in the project description. However, it's been changed as Sekans Enerji Ltd. Şti. after the 1st Monitoring Period.
- There isn't any project description deviation within this monitoring period

3.3 Grouped Projects

This is not a grouped project.

3.4 Baseline Reassessment

Did the project undergo baseline reassessment during the monitoring period?

☐ Yes

☒ No

4 DATA AND PARAMETERS

4.1 Data and Parameters Available at Validation

Data / Parameter	EG_{gross}
Data unit	MWh
Description	Gross electricity production by fossil fuel power sources (2013-2015)
Source of data	TEIAS (Turkish Electricity Transmission Company) www.teias.gov.tr . The distribution of gross electricity generation by primary energy resources and the electricity utilities in Türkiye (2013, 2014, 2015).
Value applied	Please see calculations of emission factor in Section 3.1 of Registered PD
Justification of choice of data or description of measurement methods and procedures applied	TEIAS, the Turkish Electricity Transmission Company is the official source for the related data, thus providing the most up to-date and accurate information available.
Purpose of Data	Calculation of baseline emissions
Comments	-

Data / Parameter	FC_{i, y}
Data unit	ton (m3 for Natural Gas)
Description	Amount of fossil fuel type i consumed in the project electricity system by generation sources in year y (2013-2015)
Source of data	TEIAS (Turkish Electricity Transmission Company) www.teias.gov.tr . Fuels consumed in thermal power plants in Türkiye by the electricity utilities (2013-2015)
Value applied	Please see calculations of emission factor in Section 3.1 of Registered PD

Justification of choice of data or description of measurement methods and procedures applied	TEIAS, Turkish Electricity Transmission Company is the official source for the related data, hence providing the most up-to-date and accurate information available.
Purpose of Data	Calculation of baseline emissions
Comments	-

Data / Parameter	NCV_{i, y}
Data unit	TJ/kt (10 ⁶ m ³ for gaseous fuels)
Description	Net calorific value (energy content) of fossil fuel type i in year y
Source of data	Calculated based on TEIAS (Turkish Electricity Transmission Company) www.teias.gov.tr . Heating values of fuels consumed in thermal plants in Türkiye by the electricity utilities (2013-2015)
Value applied	Please see calculations of emission factor in Section 3.1 of Registered PD
Justification of choice of data or description of measurement methods and procedures applied	TEIAS (Turkish Electricity Transmission Company) is the official source for this data, providing the most up-to-date and accurate information available.
Purpose of Data	Calculation of baseline emissions
Comments	-

Data / Parameter	EF_{CO₂, i, y}
Data unit	tCO ₂ /TJ
Description	CO ₂ emission factor of fossil fuel type i used in power unit m in year y
Source of data	IPCC default values at the lower limit of the uncertainty at a 95% confidence interval as provided in table 1.4 of Chapter 1 of Volume 2 (Energy) of the 2006 IPCC Guidelines for National Greenhouse Gas Inventory http://www.ipccnggip.iges.or.jp/public/2006gl/index.htm

Value applied	Please see calculations of emission factor in Section 3.1 of Registered PD
Justification of choice of data or description of measurement methods and procedures applied	There is no information on the fuel specific default emission factor in Türkiye, hence, IPCC values has been used as referred in the “Tool to calculate the emission factor for an electricity system”.
Purpose of Data	Calculation of baseline emissions
Comments	-

Data / Parameter	EG_{m, y}
Data unit	MWh
Description	Net electricity generated by power plant/unit m
Source of data	TEIAS (Turkish Electricity Transmission Company) www.teias.gov.tr Generation units put into operation in 2013, 2014, 2015
Value applied	Please see section the Section 3.1 of the Registered PD: Summary of GHG Emission Reductions and Removals
Justification of choice of data or description of measurement methods and procedures applied	Once for each crediting period using the most recent three historical years for which the data is available at the time of submission of the PDD to the vvb for validation.
Purpose of Data	Calculation of baseline emissions
Comments	-

Data / Parameter	η_{m, y}
Data unit	%
Description	Average net energy conversion efficiency of power unit m in year y
Source of data	“Appendix 1, Default efficiency factors for power plants” of “Tool to calculate the emission factor for an electricity system”, Version 05.0.

Value applied	Please see calculations of emission factor in Section 3.1 of Registered PD
Justification of choice of data or description of measurement methods and procedures applied	The average values of thermal plants in Türkiye are taken from “Tool to calculate the emission factor for an electricity system”, Version 06.0.
Purpose of Data	Calculation of baseline emissions
Comments	-

4.2 Data and Parameters Monitored

Data / Parameter	EG_{facility, y}		
Data unit	MWh/y		
Description	Quantity of net electricity supplied to the grid in year y		
Source of data	The primary source of data is EPIAS web site screenshots. The secondary source of data is two TEIAS meter readings recorded at the monthly reading protocols, the column related to electricity obtained from the grid.		
Description of measurement methods and procedures to be applied	Measurements are to be made by electricity meters that belong to the grid operator, TEİAŞ. The meters are in compliance with the data collected. Data is used to calculate the net electricity supplied to the grid.		
Frequency of monitoring/recording	Continuously		
Value monitored	(01.07.2022-31.12.2022)	101,123.19	
	(01.01.2023-31.12.2023)	151,541.64	
	(01.01.2024-31.12.2024)	186,391.71	

	(01.01.2025-31.12.2025)	172,187.75																			
	Total	611,244.29																			
Monitoring equipment	Both exported and imported electricity are measured continuously by a power meter at the grid interface and recorded monthly. Power meters that are current and operational: <table><tr><td>Name</td><td>Main Meter</td><td>Spare Meter</td></tr><tr><td>Brand</td><td>EMH</td><td>EMH</td></tr><tr><td>Serial Number</td><td>73055353</td><td>73055354</td></tr><tr><td>The Latest Test Dates of the Meter</td><td>10/10/2020, 04/12/2022, 05/09/2024</td><td>10/10/2020, 04/12/2022, 05/09/2024</td></tr><tr><td>The First Index Date of the Meter</td><td>06/12/2016</td><td>06/12/2016</td></tr><tr><td>Accuracy Class</td><td>0.2s</td><td>0.2s</td></tr></table>			Name	Main Meter	Spare Meter	Brand	EMH	EMH	Serial Number	73055353	73055354	The Latest Test Dates of the Meter	10/10/2020, 04/12/2022, 05/09/2024	10/10/2020, 04/12/2022, 05/09/2024	The First Index Date of the Meter	06/12/2016	06/12/2016	Accuracy Class	0.2s	0.2s
Name	Main Meter	Spare Meter																			
Brand	EMH	EMH																			
Serial Number	73055353	73055354																			
The Latest Test Dates of the Meter	10/10/2020, 04/12/2022, 05/09/2024	10/10/2020, 04/12/2022, 05/09/2024																			
The First Index Date of the Meter	06/12/2016	06/12/2016																			
Accuracy Class	0.2s	0.2s																			
QA/QC procedures to be applied	- A spare meter is used for crosschecking the accuracy and both meters are calibrated if required. - EPIAS records are considered as the main source for the net electricity and the values are crosschecked with the Meter Reading Forms - TEIAS is responsible for calibration and maintenance of the devices. The periodic calibration or maintenance is under the responsibility of TEIAS and has been fixed as once in 10 years³⁰ . Since TEİAŞ meters are sealed by TEİAŞ, the project proponent cannot intervene with the devices. The periodic tests are executed on annual basis.																				
Purpose of the data	Calculation of baseline emissions																				
Calculation method	Direct continuous measurement																				
Comments	-																				

³⁰ 4 <http://www.mevzuat.gov.tr/Metin.Aspx?MevzuatKod=7.5.6381&MevzuatIliski=0&sourceXmlSearch>

4.3 Monitoring Plan

The Project Proponent is responsible for the overall management of the monitoring procedures including recording, data collection, calculating emission reductions and project emissions.

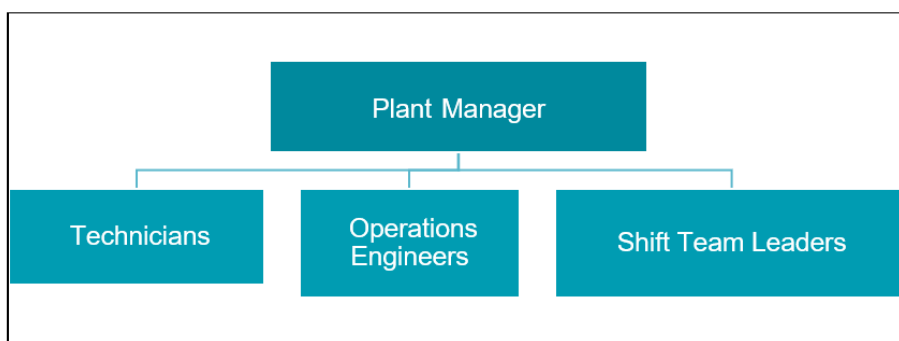


Figure 1. Organization chart of the project activity

One Plant Manager, six Operations Engineers and Technician are responsible for the project activity. Besides this, one staff kitchen member and five subcontracted service personnel are working for the Project Activity. In total, there are thirteen employees.

Two power meters are installed at the grid interface of the project. One is the main meter, and the other is spare meter of the main meter for cross-checking. Both meters are jointly inspected and sealed in order to be protected from interference by any of the parties. Both the main and secondary meter are owned and installed by the grid operator (TEIAS). The grid operator's is the only one authorized to deal with fixing, calibrating, or changing the meters, which will be done either by the grid operator or by a company authorized by the grid operator. The periodical calibration or maintenance is under the responsibility of TEIAS. The calibration of meters is done every ten years. The meter tests are carried out every two years. Since TEİAŞ meters are sealed by TEİAŞ, the project proponent cannot intervene with the devices.

TEIAS is performing remote reading of the meters and monthly power meter readings are the basis for monitoring net electricity fed into the grid. A measuring protocol is prepared including day, peak and night hour electricity generation by the project proponent and approved by governmental officers at the end of each month.

The primary source is the EPIAS records. Net electricity exported is crosschecked with OSF Forms. EPIAS is the financial settlement center of TEIAS³¹. The OSF are filled by the project proponent and approved by the governmental officers. Additionally, the remote reading by

³¹ PMUM has been replaced by EPIAS as of 01/09/2015 in Türkiye during the verification period. Retrospective data is accessible via EPIAS.

the governmental body is also available. The website of EPIAS is accessible to Project Proponent with their unique user ID and password. Once accessed, the Project Proponent is able to call electricity generation and consumption reports of their own projects. The same reports are used by the Project Proponent for invoicing TEIAS. The electricity generation data is reported monthly basis. All data collected as part of monitoring is being archived electronically by the Project Proponent and be kept at least for 2 years after the end of the last crediting period.

During this monitoring period, there were no records of meter failure. In case of any urgent case TEIAS contacts the Plant Manager. Since the meters are within TEIAS' province, TEIAS executes all the procedures for handling non-conformities. Therefore, the Project Participant does not have any internal auditing for this purpose.

Quality Control and Assurance (QC/QA)

Both the main and spare (control) meters are owned and installed by the grid company. Both meters are jointly inspected and sealed in order to be protected from interference by any of the parties.

The grid operator's Metering Officer should be notified of any failure of one of the meters. He is the only one authorized to deal with fixing, calibrating, or changing the meters, which will be done either by the grid operator or by a company authorized by the grid operator. During this monitoring period, there were no records of meter failure. The data is hourly recorded by the personnel on the plant. TEIAS Load Dispatching Center also executes remote reading during 24-hour period. The data could be remotely accessed by TEIAS.

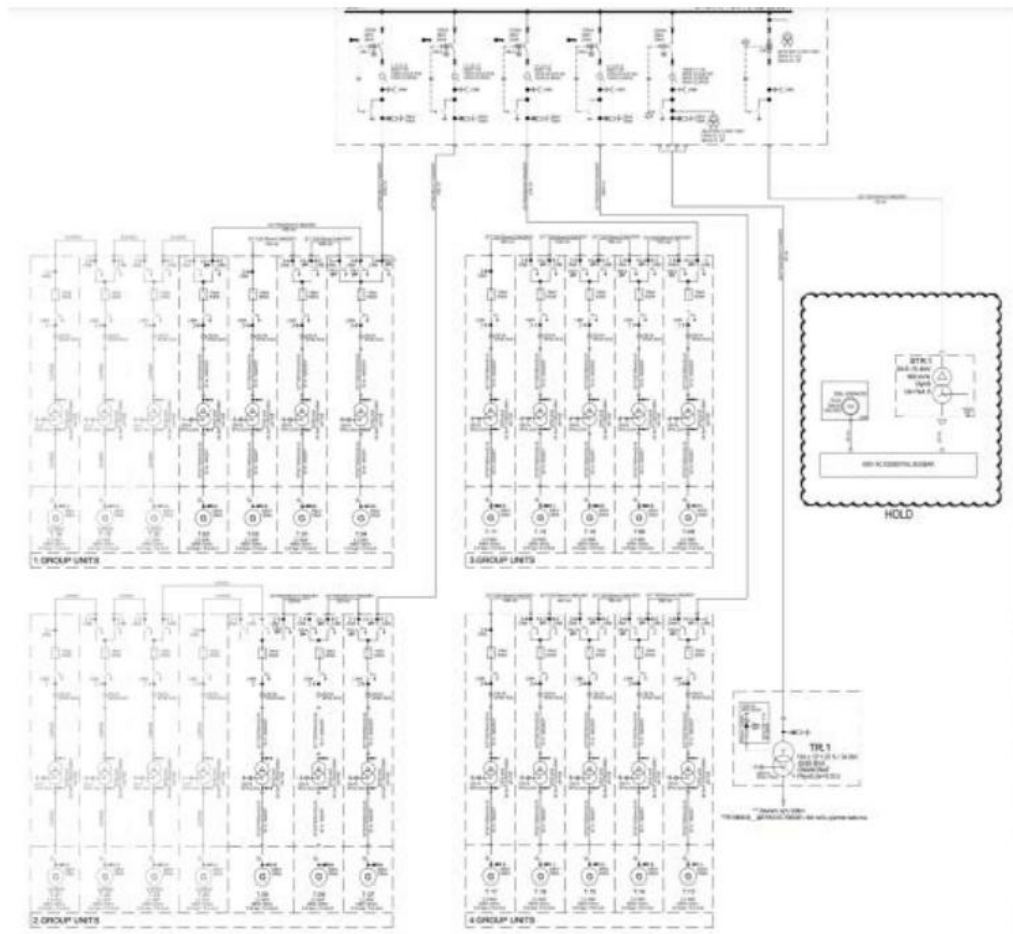


Figure 2. The Single Line Diagram of the project

5 QUANTIFICATION OF GHG EMISSION REDUCTIONS AND REMOVALS

5.1 Baseline Emissions

The baseline emission BE_y (tCO₂e) during the monitoring period results from:

$$BE_y = EG_{PJ,y} * EF_{grid,CM,y} \quad (\text{Equation 1})$$

where;

BE_y	=	Baseline emissions in year y (tCO ₂ e/y)
$EG_{PJ, y}$	=	Quantity of net electricity supplied to the grid as a result of the implementation of the project activity in year y (MWh)
$EF_{grid, CM, y}$	=	Combined margin CO ₂ emission factor for grid connected power generation in year y calculated by using the latest version of the “Tool to calculate the emission factor for an electricity system” (tCO ₂ /MWh)

$EF_{grid, CM, y}$ value is fixed as 0.5471 tCO₂/MWh for during the crediting period.

Calculation of $EG_{PJ, y}$

The calculation of $EG_{PJ, y}$ is different for (a) greenfield plants, (b) retrofits and replacements, and (c) capacity additions.

The project activity is not the retrofit or replacement of an existing grid-connected renewable power plant, the project activity is not a capacity addition to an existing renewable energy power plant. Therefore options b) and c) are excluded.

The project is a green field plant; the project activity is the installation of a new grid - connected renewable power plant/unit at a site where no renewable power plant was operated prior to the implementation of the project activity,

Therefore $EG_{PJ, y}$ is calculated as follows:

$$EG_{PJ, y} = EG_{facility, y}$$

Where:

$EG_{PJ, y}$ = Quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the project activity in year y (MWh/yr)

$EG_{facility, y}$ = Quantity of net electricity generation supplied by the project plant/unit to the grid in year y (MWh/yr)

Project Emissions

Since the project activity is a wind project,

$$PE_y = 0.$$

Leakage

In accordance with the ACM0002 - Version 17.0, leakage is taken as zero since the project is a new power plant is taken as zero,

$$LE_y = 0.$$

Emission Reductions

$$ER_y = BE_y - PE_y - LE_y$$

Equation (2)

Table-6 shows the baseline emissions for the verification period:

Table 6 - Baseline emissions

	OSF Forms		EPIAS Records		(C) = (A) - (B) EG (ID 8) Net electricity supplied to the grid [MWh]	EF [tCO ₂ /MWh]	Baseline emission: ER = EG * EF [t CO ₂ -eq]
	(D) Electricity supplied to the grid [MWh]	(E) Electricity consumed from the grid [MWh]	(A) Electricity supplied to the grid [MWh]	(B) Electricity consumed from the grid [MWh]			
Month	(D) Electricity supplied to the grid [MWh]	(E) Electricity consumed from the grid [MWh]	(A) Electricity supplied to the grid [MWh]	(B) Electricity consumed from the grid [MWh]	(C) = (A) - (B) EG (ID 8) Net electricity supplied to the grid [MWh]	EF [tCO ₂ /MWh]	Baseline emission: ER = EG * EF [t CO ₂ -eq]
Jul-22 (01-31/07/2022)	27,166.28	0.09	27,166.28	0.09	27,166.19	0.5471	14,863
Aug-22	16,386.32	30.60	16,386.32	63.93	16,322.39	0.5471	8,930
Sep-22	11,128.84	61.24	11,128.84	61.24	11,067.60	0.5471	6,055
Oct-22	20,723.69	27.88	20,723.69	27.88	20,695.81	0.5471	11,323
Nov-22	16,434.00	24.53	16,434.00	24.53	16,409.47	0.5471	8,978
Dec-22	9,568.31	106.58	9,568.31	106.58	9,461.73	0.5471	5,177
Jan-23	11,674.38	76.56	11,674.38	76.56	11,597.82	0.5471	6,345
Feb-23	10,971.57	55.06	10,971.57	55.06	10,916.51	0.5471	5,972
Mar-23	13,591.80	64.78	13,591.80	64.78	13,527.02	0.5471	7,401
Apr-23	7,942.45	74.56	7,942.45	74.60	7,867.85	0.5471	4,305
May-23	14,163.92	46.70	14,163.92	46.70	14,117.22	0.5471	7,724
Jun-23	12,249.31	21.88	12,249.31	21.88	12,227.43	0.5471	6,690
Jul-23	14,956.97	39.48	14,956.97	39.48	14,917.49	0.5471	8,161
Aug-23	17,734.81	23.76	17,734.81	23.76	17,711.05	0.5471	9,690
Sep-23	18,786.33	20.02	18,786.33	20.02	18,766.31	0.5471	10,267
Oct-23	10,524.02	110.72	10,524.02	110.72	10,413.30	0.5471	5,697
Nov-23	10,142.51	88.81	10,142.51	88.81	10,053.70	0.5471	5,500

Dec-23	9,514.95	89.01	9,514.95	89.01	9,425.94	0.5471	5,157
Jan-24	19,809.31	36.29	19,809.31	36.29	19,773.02	0.5471	10,818
Feb-24	11,986.93	62.50	11,986.93	62.50	11,924.43	0.5471	6,524
Mar-24	7,365.38	90.90	7,365.38	90.90	7,274.48	0.5471	3,980
Apr-24	15,706.64	38.54	15,706.64	38.54	15,668.10	0.5471	8,572
May-24	11,472.38	84.03	11,472.38	84.03	11,388.35	0.5471	6,231
Jun-24	18,248.33	60.65	18,248.33	60.65	18,187.68	0.5471	9,950
Jul-24	24,297.50	14.49	24,297.50	14.49	24,283.01	0.5471	13,285
Aug-24	19,218.36	13.61	19,218.36	13.61	19,204.75	0.5471	10,507
Sep-24	9,782.31	61.28	9,782.31	61.28	9,721.03	0.5471	5,318
Oct-24	17,806.20	69.17	17,806.20	69.17	17,737.03	0.5471	9,704
Nov-24	16,163.60	80.76	16,163.60	80.76	16,082.84	0.5471	8,799
Dec-24	15,181.29	34.30	15,181.29	34.30	15,146.99	0.5471	8,287
Jan-25	9,682.44	103.10	9,682.44	103.10	9,579.34	0.5471	5,241
Feb-25	13,958.41	66.27	13,958.41	66.27	13,892.14	0.5471	7,600
Mar-25	11,933.77	63.53	11,933.77	63.53	11,870.24	0.5471	6,494
Apr-25	12,144.27	65.32	12,144.27	65.32	12,078.95	0.5471	6,608
May-25	11,254.10	77.14	11,254.10	77.14	11,176.96	0.5471	6,115
Jun-25	23,193.56	0.00	23,193.56	0.00	23,193.56	0.5471	12,689
Jul-25	17,482.31	40.61	17,482.31	40.61	17,441.70	0.5471	9,542
Aug-25	23,566.33	22.72	23,566.33	22.72	23,543.61	0.5471	12,881
Sep-25	21,333.97	22.00	21,333.97	22.00	21,311.97	0.5471	11,660
Oct-25	8,059.82	91.50	8,059.82	91.50	7,968.32	0.5471	4,359
Nov-25	7,123.65	113.10	7,123.65	113.10	7,010.55	0.5471	3,835
Dec-25 (01-31/12/2025)	13,187.48	67.07	13,187.48	67.07	13,120.41	0.5471	7,178
2022 Vintage (01.07.2022-31.12.2022)	101,407.44	250.92	101,407.44	284.25	101,123.19	0.5471	55,324
2023 Vintage (01.01.2023-31.12.2023)	152,253.02	711.34	152,253.02	711.38	151,541.64	0.5471	82,908
2024 Vintage (01.01.2024-31.12.2024)	187,038.23	646.52	187,038.23	646.52	186,391.71	0.5471	101,975
2025 Vintage (01.01.2025-31.12.2025)	172,920.11	732.36	172,920.11	732.36	172,187.75	0.5471	94,204
Total	613,618.80	2,341.14	613,618.80	2,374.51	611,244.29	0.5471	334,411

5.2 Project Emissions

In accordance with the methodology ACM0002, Version 17.0, no project emissions need to be considered. Project emissions apply only for geothermal power plants, solar thermal power plants and for some hydro power plants.

Therefore,

$$PE_y = 0.$$

5.3 Leakage Emissions

No leakage is to be accounted by the Project Activity. This is in line with the registered PD and applicable methodology ACM0002, Version 17.0.

Therefore, the leakage from the Project Activity is zero,

$$LE_y = 0.$$

5.4 GHG Emission Reductions and Carbon Dioxide Removals

Vintage period	Baseline emissions (tCO ₂ e)	Project emissions (tCO ₂ e)	Leakage emissions (tCO ₂ e)	Reduction VCU (tCO ₂ e)	Removal VCU (tCO ₂ e)	Total VCUs (tCO ₂ e)
01-Jul-2022 to 31-Dec-2022	55,324	0	0	55,324	0	55,324
01-Jan-2023 to 31-Dec-2023	82,908	0	0	82,908	0	82,908
01-Jan-2024 to 31-Dec-2024	101,975	0	0	101,975	0	101,975
01-Jan-2025 to 31-Dec-2025	94,204	0	0	94,204	0	94,204
Total	334,411	0	0	334,411	0	334,411

Vintage period	Ex-ante estimated reductions/removals	Achieved reductions/removals	Percent difference	Explanation for the difference
01-Jul-2022 to 31-Dec-2022	45,506	55,324	21.6%	This marginal spread from the estimation is probably due to weather conditions.
01-Jan-2023 to 31-Dec-2023	90,271	82,908	-8.2%	
01-Jan-2024 to 31-Dec-2024	90,518	101,975	12.7%	
01-Jan-2025 to 31-Dec-2025	90,271	94,204	4.4%	
Total	316,567	334,411	5.6%	

APPENDIX 1: COMMERCIALLY SENSITIVE INFORMATION

N/A