



Verified Carbon Standard

GREEN ENERGY PROJECT AT GUJARAT BY POWERICA LIMITED



Document Prepared by Emergent Ventures India Pvt. Ltd.

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1 PROJECT DETAILS

1.1 Summary Description of the Implementation Status of the Project

The project activity involves installation and operation of a 25.2 MW wind power generation project at Bhachau, in the Kutch district of Gujarat by Powerica Limited. The total installed capacity of 25.2 MW comprises of 14 WTGs, each with a capacity of 1.80 MW. The project provides electricity to the state of Gujarat by effective utilization of renewable resources. The technology has been supplied by Vestas. The project utilizes wind energy for exporting electricity which otherwise would have been generated through alternate fuels (most likely fossil fuel) based power plants, contributing to reduction in specific emissions (emissions of pollutant) including GHG emissions. Electricity produced from the project activity is supplied to erstwhile NEWNE grid of India.

The WTGs involved in the project activity were commissioned in four phases – the earliest date of commissioning is 25-February-2012.

The total emission reductions achieved by this project activity in the monitoring period from 01-February-2020 to 31-January-2021 are 49,954 tCO₂e.

1.2 Sectoral Scope and Project Type

Sectoral scope 1: Energy Industries (renewable / non-renewable sources).

Project type: Renewable energy project (Wind)

The project activity is not a grouped project

1.3 Project Proponent

Organization name	Powerica Limited
Contact person	Pradeep Gupta
Title	Head - Wind Energy Division
Address	9th Floor, Godrej Coliseum, Sion (E) Mumbai – 400022, Maharashtra, India
Telephone	+ 91 22 4001 2000
Email	pradeep.gupta@powericaltd.com

1.4 Other Entities Involved in the Project

Organization name	Emergent Ventures India Pvt. Ltd.
Role in the Project	Project Consultant
Contact person	Atul Sanghal
Title	Business Head
Address	Magnum Tower 1, 8th Floor, Sector 58, Gurgaon
Telephone	+91-97173 96309
Email	contact@emergent-ventures.com

1.5 Project Start Date

The project start date is 25-February-2012 which is the date of commissioning of the first phase of the 25.2 MW wind power project.

1.6 Project Crediting Period

The crediting period for VCS begins on 25-February-2012 and ends on 24-February-2022.

1.7 Project Location

The project activity is located at Village – Jangi, Lakhapar, Vadhiya, Lakhdhirdh and Godpar, Taluka – Bhachau, District - Kutch in the state of Gujarat. The geo-coordinates of each WTG are as follows:

WTG ID	WTG No.	Village	District and State	Latitude (°N)	Longitude (°E)
JW 01 New	VWT/1800/11-12/2552	Jangi	Kutch, Gujarat	23° 11' 54"	70° 34' 54"
JW 29	VWT/1800/11-12/2553	Jangi	Kutch, Gujarat	23° 12' 01"	70° 32' 25"
VW 49	VWT/1800/11-12/2554	Lakhapar (Vandhiya)	Kutch, Gujarat	23° 12' 11"	70° 36' 52"
VW 54 New	VWT/1800/11-12/2555	Godpar (Vandhiya)	Kutch, Gujarat	23° 12' 14"	70° 36' 38"
JW 02 New	VWT/1800/11-12/2593	Jangi	Kutch, Gujarat	23° 11' 40"	70° 34' 45"
JW 05 New	VWT/1800/11-12/2594	Jangi	Kutch, Gujarat	23° 11' 49"	70° 35' 07"
VW 80	VWT/1800/11-12/2595	Modpar (Vandhiya)	Kutch, Gujarat	23° 12' 22"	70° 35' 27"
VW 66	VWT/1800/11-12/2607	Vandhiya	Kutch, Gujarat	23° 16' 03"	70° 35' 06"
VW 67	VWT/1800/11-12/2608	Vandhiya	Kutch, Gujarat	23° 15' 25"	70° 35' 45"
VW 79	VWT/1800/11-12/2609	Vandhiya	Kutch, Gujarat	23° 14' 46"	70° 37' 40"
VW 48	VWT/1800/11-12/2610	Lakhdhirga dh (Vandhiya)	Kutch, Gujarat	23° 15' 23"	70° 35' 17"
VW 62	VWT/1800/11-12/2611	Vandhiya	Kutch, Gujarat	23° 15' 45"	70° 34' 56"
VW 63	VWT/1800/11-12/2612	Vandhiya	Kutch, Gujarat	23° 15' 51"	70° 35' 21"
VW 71	VWT/1800/11-12/2613	Vandhiya	Kutch, Gujarat	23° 13' 29"	70° 36' 18"

1.8 Title and Reference of Methodology

Methodology: ACM0002 ver. 13.0.0

Methodology Title: “Consolidated baseline methodology for grid-connected electricity generation from renewable sources”

The methodology also refers to the latest approved versions of:

- Tool for the demonstration and assessment of additionality, Version 06.1.0¹
- Tool to calculate the emission factor for an electricity system, Version 02.2.1²

1.9 Participation under other GHG Programs

The project activity has also been registration with UNFCCC under Clean Development Mechanism (CDM) program, Registration reference number is 8672. The project proponent has provided undertaking that it will not claim any GHG credits for UNFCC CDM during the current monitoring period.

1.10 Other Forms of Credit

India is Non-annex1 country and there is no compliance with an emission trading program or to meet binding limits on GHG emissions for this project activity. The project is registered under CDM and UNFCCC (Registration ID 8672). The project proponent (PP) has submitted undertaking that they will not claim same GHG emission reductions of the project from CDM and VCS. PP will not use net GHG emission reductions by the projects for compliance with emission trading program to meet binding limits on GHG emissions. PP has also submitted undertaking for not availing other forms of environmental credit for the same crediting period under consideration.

1.11 Sustainable Development

The National CDM Authority (NCDMA), which is the Designated National Authority (DNA) for the Government of India (GOI) under the Ministry of Environment and Forests (MoEF) has mentioned four indicators for the sustainable development. The project participants' view on the contribution of this project activity towards sustainable development is explained below:

Social well-being:

- **Generating Local Employment:** The installation of wind power project in rural areas will result in generating local employment opportunities and capacity building of the local employees. The project activity would create both direct and indirect employment throughout the life-cycle of the project activity.
- **Encouragement to entrepreneurs:** The project will provide encouragement to other entrepreneurs to invest into renewable energy sources.
- **New business Opportunity:** The project activity will provide business opportunities to the local population contributing to poverty alleviation of the local community.

Economic well-being:

- **Rural Development:** The installation of wind power project will result in rural and infrastructural development in the surrounding rural areas
- **Economic Development:** The generation of wind power will result in improvising the

¹ <https://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-01-v6.1.0.pdf>

² <https://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-07-v2.2.1.pdf>

reliability of the NEWNE Grid and thereby enhance economic development in the region.

Environment well-being:

- Reduction in the consumption of fossil fuels: The installation of power plant generating electricity through renewable resource such as wind power, would lead to reduction in usage of fossil fuels e.g. Coal, oil, natural gas.
- Reduction in GHG emission: The reduction in usage of fossil fuels for electricity generation will result in reduction of the release of associated GHG emissions (CO₂ and CH₄ emissions).
- Improvement of Air Quality: The use of renewable energy for power generation will avoid the emission of air pollutants such as Suspended Particulate Matter (SPM), Sulphur Dioxide (SO₂) and Nitrogen Oxides (NO_x) thereby improving the surrounding air quality
- Conservation of Natural Resources: Installation of wind power plant will result in conserving fast depleting natural resources such as coal, oil etc.

Technological well-being:

- Advanced Technology: The project activity involves installation and operation of state-of-art wind turbine generators (WTGs) of Vestas make. The implementation of these new technologies will help in increasing reliability of renewable energy generation and encourage development of even better technology in the future.
- Safe and Sound Technology: The project activity deploys the technology, which is environmentally safe and sound, as it does not produce greenhouse gases and any toxic or radioactive waste.

2 SAFEGUARDS

2.1 No Net Harm

The project does not involve any potential negative environmental and socio economic impacts and hence this criterion is not applicable to this project activity.

2.2 Local Stakeholder Consultation

Project Proponent had conducted local stakeholder consultation extensively during registration of the project through identification of stakeholders, invitation of stakeholders for meeting, explanation on the project and resolving comments/suggestions/ grievances of the stakeholders.

The process of local stakeholder consultation is continuous. During the current monitoring period, the project proponent has kept grievance register in plant site office and sought comments/grievances/suggestions from local stakeholders including local community, government agencies and NGOs. Besides, the PP has also kept provision for submitting

comments/grievances/suggestions from local stakeholders through direct mail. No major comments/grievances/suggestions have been received from the aforementioned stakeholders during the current monitoring period.

2.3 AFOLU-Specific Safeguards

Not applicable to this as this is not an AFOLU project activity.

3 IMPLEMENTATION STATUS

3.1 Implementation Status of the Project Activity

The project has been completed and the monitoring equipments were installed to monitor the parameters as described in the registered Project Description (PD). All the WTGs involved in the project activity are already commissioned and operational. The WTGs are under operation since the date of commissioning and no event has been identified which may impact GHG emission reduction.

The technical details of the WTGs involved in the project activity are as below.

Parameters	Value
Make	Vestas
Model	V-100
Rated Power	1800 KW
Rotor diameter	100 m
Swept area	7850 m ²
Cut in wind speed	4 m/s
Cut out wind speed	20 m/s
No. of Blades	3
Rotor Speed	14.4 rpm
Hub Height	80 m
Generator Type	Asynchronous with wound

The WTGs involved in the project activity were commissioned in four phases – the earliest date of commissioning is 25-February-2012. The commissioning dates of all the WTGs are provided as below.

Sl. No	ID	WTG	Commissioning Date
1	JW 01	VWT/1800/11-12/2552	25-February-2012
2	JW 29	VWT/1800/11-12/2553	25-February-2012
3	VW 49	VWT/1800/11-12/2554	25-February-2012
4	VW 54	VWT/1800/11-12/2555	25-February-2012
5	JW 02	VWT/1800/11-12/2593	21-March-2012
6	JW 05	VWT/1800/11-12/2594	21-March-2012
7	VW 80	VWT/1800/11-12/2595	21-March-2012
8	VW 67	VWT/1800/11-12/2608	27-March-2012
9	VW 79	VWT/1800/11-12/2609	27-March-2012
10	VW 66	VWT/1800/11-12/2607	30-March-2012
11	VW 48	VWT/1800/11-12/2610	30-March-2012
12	VW 62	VWT/1800/11-12/2611	30-March-2012
13	VW 63	VWT/1800/11-12/2612	30-March-2012
14	VW 71	VWT/1800/11-12/2613	30-March-2012

The project activity WTGs are connected to substation through Vandhya Line 1, Vandhya Line 2, Sikharpur Line 1 and Sikharpur Line 2 feeder lines. The energy meters are installed at each WTG site and also at substation feeder line.

The WTGs have been in normal operation in the monitoring period including planned and forced shutdowns. Details of major stoppages of the project activity have been provided in APPENDX 2 of this document.

3.2 Deviations

Methodology Deviations

No methodology deviation is applied during the monitoring period.

Project Description Deviations

As per registered VCS PD, the calibration frequency is once in a year. The calibration of meters is not in control of PP and same is done by state electricity board. The state electricity board does not follow any fixed calibration frequency and hence deviation was requested for change in calibration frequency as once in five years. This deviation request was approved by VERRA during last verification. This calibration frequency is as per CEA notification http://www.aegcl.co.in/Metering_Regulations_Of_CEA_17_03_2006.pdf

The change in calibration frequency does not have any impact on ER calculations as during monthly reading state electricity board official and PP representative check the meter conditions. Also both parties accepts the reading and PP raise the invoice to state electricity board based on monthly JMR reading. Thus financial obligations are involved which ensures that meters are running accurately.

Deviation is already approved during second VCS verification.

3.3 Grouped Projects

The project is not a grouped project thus this is not applicable.

4 DATA AND PARAMETERS

4.1 Data and Parameters Available at Validation

Data / Parameter	EF _{grid,OM,y}
Data unit	tCO ₂ /MWh
Description	Weighted average of 3 years (2008-09, 2009-10 and 2010-11) CO ₂ Operating Margin emission factor of the grid
Source of data	Central Electricity Authority:CO ₂ Emission Database CEA CO ₂ Baseline database Version 07, January 2012
Value applied	0.9842
Justification of choice of data or description of	Obtained from the CEA database on CO ₂ Baseline for Indian Power Sector, Version 07 as the weighted average of Operating

measurement methods and procedures applied	Margin (incl. imports) for years 2008-09, 2009-10, 2010-11
Purpose of Data	Calculation of baseline emissions
Comments	The value is fixed and it is same for the entire crediting period

Data / Parameter	EF _{grid,BM,y}
Data unit	tCO ₂ /MWh
Description	Build margin CO ₂ emission factor of grid
Source of data	Central Electricity Authority:CO ₂ Emission Database CEA CO ₂ Baseline database Version 07; January 2012
Value applied	0.8588
Justification of choice of data or description of measurement methods and procedures applied	Obtained from the CEA database on CO ₂ Baseline for Indian Power Sector, Version 07 (not adjusted for imports)
Purpose of Data	Calculation of baseline emissions
Comments	The value is fixed and it is same for the entire crediting period

Data / Parameter	EF _{grid,CM,y}
Data unit	tCO ₂ /MWh
Description	Combined margin CO ₂ emission factor for grid
Source of data	Central Electricity Authority:CO ₂ Emission Database CEA CO ₂ Baseline database Version 07; January 2012
Value applied	0.9528
Justification of choice of data or description of measurement methods and procedures applied	The combined margin emissions factor is calculated as follows: $EF_{grid,CM,y} = EF_{grid,OM,y} * W_{OM} + EF_{grid,BM,y} * W_{BM}$ The following default values should be used for w_{OM} and w_{BM}: For Wind power generation project activities: w_{OM} = 0.75 and w_{BM} = 0.25 for the selected crediting period Data compiled in CEA CO₂ CDM database is in line with the requirements Version 02.2.1 of "Tool to calculate the emission factor for an electricity system"
Purpose of Data	Calculation of baseline emissions
Comments	The value is fixed and it is same for the entire crediting period

4.2 Data and Parameters Monitored

Data / Parameter	EG facility, y
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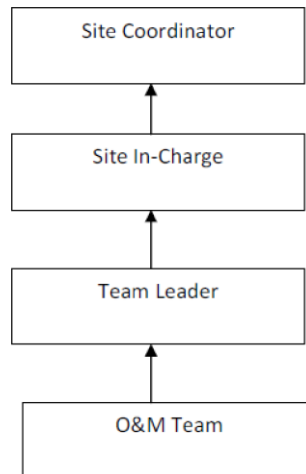
Data unit	MWh
Description	Quantity of net electricity generation supplied by the project plant/unit to the grid in year y
Source of data	Certificate for share of electricity generated by Wind farm issued by GETCO
Description of measurement methods and procedures to be applied	Measured and Calculated Energy exported and imported from the project activity is measured & recorded by the energy meter located at the Vandhya and Shikarpur substations. Measurement methods and procedures: Data Typed: Measured Monitoring: Energy Meter is used for monitoring Meter Calibration Frequency: Once in five years Archiving Policy: Paper & / Electronic
Frequency of monitoring/recording	Continuous monitoring and monthly recording
Value monitored	52,428.774
Monitoring equipment	Monitoring Equipment: Monitored through the main meter and check meter readings. Both the energy meters are bi-directional tri-vector meters. Monitoring: a) At WTG yard: Electrical Energy Meters which are electronic tri-vector meters of accuracy class 0.5s or above b) At substation: Electrical Energy Meters which are bidirectional electronic tri-vector ABT meter of accuracy class 0.5s or above. The meters are calibrated once in five years as per the registered PD. Details of energy meters are provided in Annex 1.
QA/QC procedures to be applied	The Quantity of net electricity generation from the certificates for share of electricity are cross-checked with the invoices for the sale of power by Powerica Limited.
Purpose of the data	Calculation of baseline emissions
Calculation method	-
Comments	The Monitored Data to be kept for a minimum of two years after the end of the crediting period or the last issuance whichever is later.

4.3 Monitoring Plan

The project activity is in accordance with approved large scale methodology ACM 0002, Version 13.0.0, and therefore, can use the monitoring methodology for the same.

The monitoring methodology specified in the methodology requires that the project- monitoring plan to consist of metering the electricity supplied to the grid by the renewable technology. In order to monitor the mitigation of GHG due to the project activity, the total energy exported needs to be measured. The net energy supplied to grid by the project activity multiplied by emission factor for regional grid, would form the baseline for the project activity.

Since the baseline emission factor is based on an ex-ante determination, monitoring of this parameter is not required. The sole parameter for monitoring is the electricity exported to the grid. The Project is operated and managed by Vestas Wind Technology India Private Limited (Vestas). Vestas will have a designated Site-In-Charge (O&M) on site, who will be responsible for monitoring the electricity exported from the project activity. The organizational structure of the O&M team by Vestas is as follows:



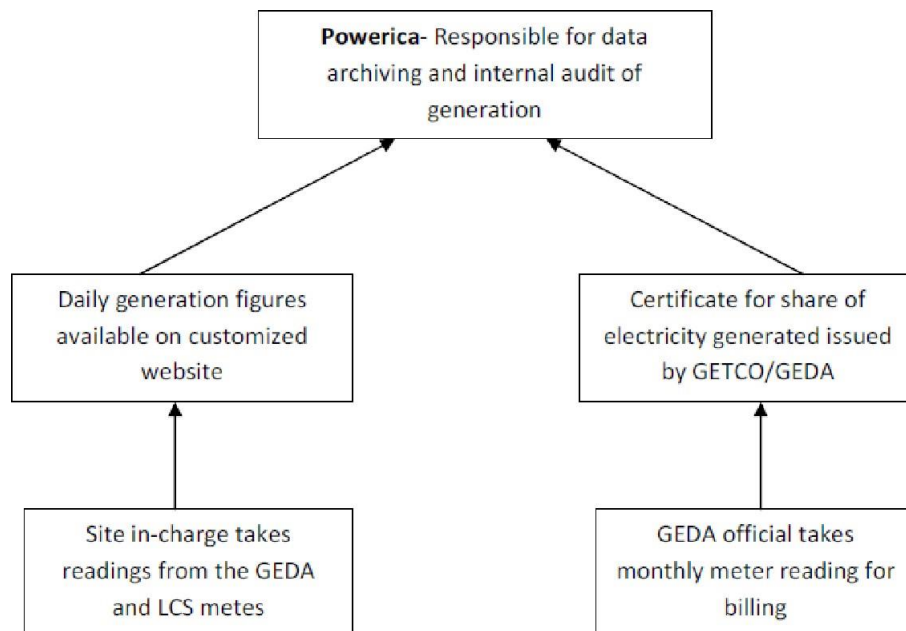
The roles and responsibilities of the O&M team may be elaborated as follows:

O&M Team: The team comprises of site engineers who are directly responsible for carrying out the O & M activity of WTG. They execute the preventive maintenance and attend to break downs as per O&M Manual & Procedures. They respond to breakdown calls and resolve customer complaints. They record all the readings and prepare documentations for Reports, Logs and Daily Generation Reports.

Team Leader: He leads the O&M team and is responsible for attending to the unscheduled breakdown of WTGs and for ensuring that WTG should be restored at earliest. He ensures the proper reading, recording and monitoring of the Generation.

Site-In-charge: He is responsible for the entire site. He has to take timely corrective measures/action to ensure that overall performance of site is met and delivered. He is responsible for the individual site. He executes the preventive maintenance and attends to break downs as per O&M Manual & Procedures. He also checks the daily Generation reports for all the WTGs.

Site Coordinator: He is in-charge of overall O&M activities of site. The responsibilities include ensuring complete documentation of the Generation of the site, on-time service delivery, timely response to breakdowns and efficient manpower management for the site. Further, all new technicians on site are trained by Vestas. Also, the O&M personnel are trained regularly in order to improve their technical skills.

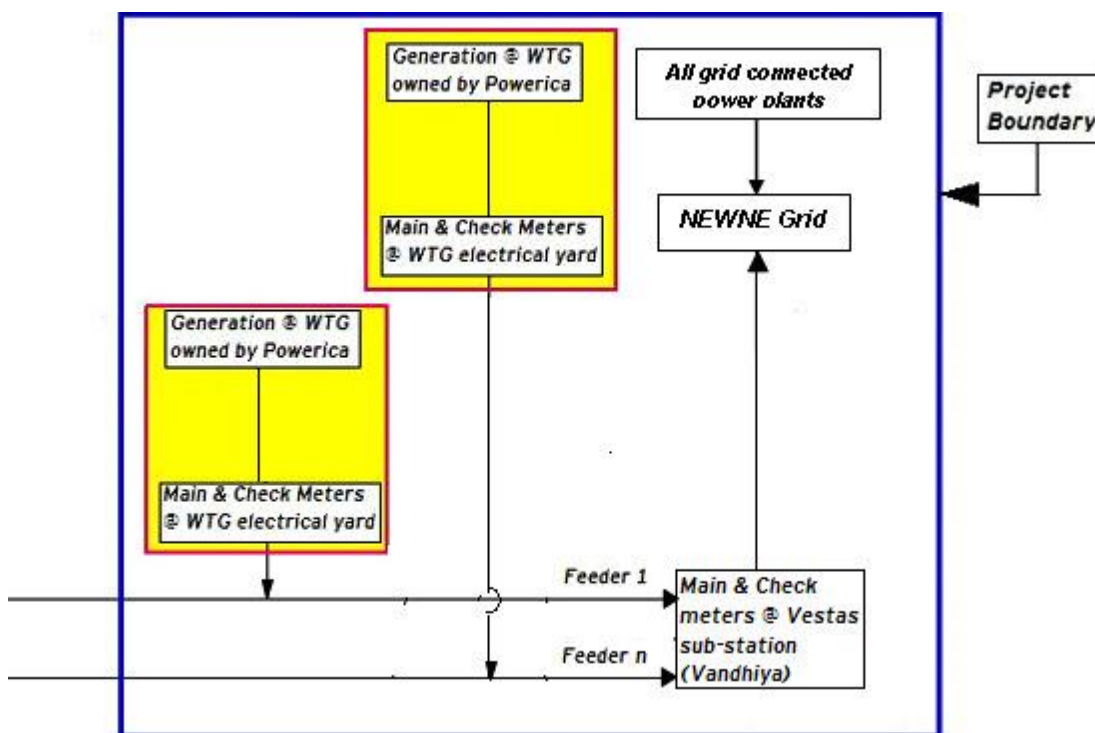


Monitoring Process at Gujarat

Metering of wind power is done as under:

- Joint meter reading is taken at substation meter by representative of GETCO (Gujarat Electricity Transmission Company) and O&M service provider (on behalf of individual wind farm owners). Let the total generation recorded for particular month is "X" units in sub-station meter.
- Joint meter reading is taken at Local Meter-(transformer yard meter of each WTG) by representative of GETCO (Gujarat Electricity Transmission Company) and O&M service provider (on behalf of individual wind farm owners). Let us assume total generation of Powerica recorded for particular month is "Y1" units.

- Similarly joint meter reading for other wind farm owners is also taken. Let the generation of individual owner recorded for particular month are Y2, Y3,..... Yn units.
- GETCO distributes “X” to individual wind farm owners using following formula and issues monthly certificates.
- For Powerica, net units calculated for billing = $X * Y1 / \sum Yn$ It must be noted here that the meter readings as mentioned above are calculated as the product of meter multiplication factor and the difference of the current and previous meter readings



Internal audits & Performance review

The records are regularly audited and checked by the senior officials from project proponent basis. The officials monitor readings at sites are adequately trained. There is no any discrepancy/inconsistency observed in the values of net electricity supplied to grid value.

5 QUANTIFICATION OF GHG EMISSION REDUCTIONS AND REMOVALS

5.1 Baseline Emissions

The emission factor value has been fixed Ex-ante and the same shall be used for the monitoring period. Net Electricity Generated is obtained by deducting total import (from grid) from total

export (to grid). These values are taken from the “Certificate for Share of Electricity Generated by Wind Farm” issued by state electricity board. This statement is issued on a monthly basis.

Baseline emissions are calculated by multiplying the Net electricity exported to the grid with net baseline emission factor, as given in the registered VCS PD.

$$BE_y = EG_{\text{facility},y} \times EF_{\text{grid,CM},y}$$

Where,

BE_y = Baseline Emissions (tCO₂/year)

$EG_{\text{facility},y}$ = Net Electricity exported to grid (MWh)

$EF_{\text{grid,CM},y}$ = Baseline Emission Factor (Combined margin CO₂ emission factor for grid)

The calculation of yearly baseline emissions is provided in the table below:

Year	Net Electricity	Baseline Emission Factor	Baseline Emissions
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	Export (MWh)	(tCO ₂ /MWh)	(tCO ₂)
01-Feb-2020 to 31-Dec-2020	48,286.145	0.9528	46,007
1-Jan-2021 to 31-Jan-2021	4,142.629	0.9528	3,947
Total	52,428.774		49,954

Hence the baseline emission calculated for the reported monitoring period i.e. $BE_y = 49,954 \text{ tCO}_2\text{e}$

5.2 Project Emissions

No project emissions are applicable to this wind electric power project, since the electricity generation is based on wind resources, which does not involve in combustion or generation of emissions from fossil fuels. Hence, these emission sources are neglected.

$$PE_y = 0 \text{ tCO}_2\text{e}.$$

5.3 Leakage

No leakage emissions are considered. The main emissions potentially giving rise to leakage in the context of electric sector projects are emissions arising due to activities such as power plant construction and upstream emissions from fossil fuel use (e.g. extraction, processing, and transport). These emission sources are neglected.

$$LE_y = 0 \text{ tCO}_2\text{e}.$$

5.4 Net GHG Emission Reductions and Removals

The Formula used to calculate the net emission reduction for the project activity is $ER_y =$

$$BE_y - PE_y - LE_y$$

Where,

ER_y = Emission Reduction in tCO₂/year

BE_y = Baseline emission in tCO₂/year

PE_y = Project emissions in tCO₂/year

LE_y = Leakage Emissions in tCO₂/year

For the project activity during the current monitoring period, as per section 5.1

BE_y = 49,954 tCO₂

PE_y = 0 tCO₂

Ley = 0 tCO₂

Year	Baseline emissions or removals (tCO ₂ e)	Project emissions or removals (tCO ₂ e)	Leakage emissions (tCO ₂ e)	Net GHG emission reductions or removals (tCO ₂ e)
2020 (01-Feb-2020 to 31-Dec-2020)	46,007	0	0	46,007
1-Jan-2021-31-Jan-2021	3,947	0	0	3,947
Total	49,954	0	0	49,954

The actual VER is about 18.8% lower than the estimated VER. This variation is majorly due to the various breakdown and shutdown activities besides variations in wind flow pattern, grid availability and other parameters which are not in the control of PP. This is conservative.

APPENDIX 1: ENERGY METER CALIBRATION DETAILS

WTG Yard meters:

WTG No.	Meter Serial Number	Last Calibration date	Latest Calibration date	Next due date of calibration
JW01	GJU64156	07-March-2018	26-March-2019	25-March-2024
JW02	GJU62542	26-March-2019	19-June-2020	18-June-2025
JW05	GJU64802	26-March-2019	19-June-2020	18-June-2025
JW29	GJU64155	27-March-2019	17-June-2020	16-June-2025
VW48	GJU64809	04-April-2019	18-June-2020	17-June-2025
VW49	GJU64157	26-March-2019	19-June-2020	18-June-2025
VW54	GJU64158	26-March-2019	19-June-2020	17-June-2025
VW62	GJU64805	04-April-2019	18-June-2020	17-June-2025
VW63	GJU64812	04-April-2019	18-June-2020	17-June-2025
VW66	GJU64804	04-April-2019	18-June-2020	17-June-2025
VW67	GJU64807	04-April-2019	18-June-2020	17-June-2025
VW71 ³	GJU64813	09-March-2018	-	08-March-2023
	XD448016	19-Jan-2018	18-June-2020	17-June-2025
VW79	GJU64806	25-March-2019	20-June-2020	19-June-2025
VW80	GJU64803	26-March-2019	19-June-2020	18-June-2025

Substation meters (220kV):

Line	Meter Serial Number	Last Calibration date	Latest Calibration date	Next due date of calibration
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³ Meter GJU64813 was replaced on 15-October-2018 due to damage. New meter was installed with meter no. XD448016.

Line 1	GJB 01664	-	02-Feb-2019	01-Feb-2024
Line 2	GJB 01665	-	02-Feb-2019	01-Feb-2024

Considering the calibration frequency of once in five years (as provided in Section 3.2) there has not been any delay in calibration of the energy meters.

APPENDIX 2: BREAKDOWN DETAILS

Category	Site	Location	Total Stoppage Hrs
WTG	Vandhiya V100	VW66	40:52:00
BOP	Vandhiya V100	VW71	52:12:00
WTG	Vandhiya V100	JW29	14:41:00
WTG	Vandhiya V100	VW49	14:36:00
WTG	Vandhiya V100	JW29	12:33:00
WTG	Vandhiya V100	VW62	12:32:00
WTG	Vandhiya V100	VW66	12:57:00
WTG	Vandhiya V100	VW63	13:13:00
WTG	Vandhiya V100	VW49	13:58:00
WTG	Vandhiya V100	JW01	14:03:00
WTG	Vandhiya V100	VW54	14:29:00
WTG	Vandhiya V100	VW80	12:42:00
WTG	Vandhiya V100	JW02	13:30:00
WTG	Vandhiya V100	JW05	13:00:00
WTG	Vandhiya V100	VW49	24:23:00
BOP	Vandhiya V100	JW01	21:22:00
BOP	Vandhiya V100	JW02	21:22:00
BOP	Vandhiya V100	JW05	21:22:00
WTG	Vandhiya V100	VW67	19:29:00
BOP	Vandhiya V100	JW29	12:52:00
BOP	Vandhiya V100	JW02	14:52:00
BOP	Vandhiya V100	JW05	14:52:00