

TEMPLATE

KEY PROJECT INFORMATION & PROJECT DESIGN DOCUMENT (PDD)

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VERSION **v. 1.2**

RELATED SUPPORT

- **TEMPLATE GUIDE Key Project Information & Project Design Document v.1.2**

This document contains the following Sections

Key Project Information

0 – Description of project

0 - Application of approved Gold Standard Methodology (ies) and/or demonstration of SDG Contributions

0 – Duration and crediting period

0 – Summary of Safeguarding Principles and Gender Sensitive Assessment

0 – Outcome of Stakeholder Consultations

Appendix 1 – Safeguarding Principles Assessment (mandatory)

0 - Contact information of Project participants (mandatory)

0 - LUF Additional Information (project specific)

0 - Summary of Approved Design Changes (project specific)

KEY PROJECT INFORMATION

GS ID of Project	GS 4603
Title of Project	Vaayu India Wind Power Project in Andhra Pradesh
Time of First Submission Date	07/06/2022
Date of Design Certification	15/04/2016
Version number of the PDD	1.3
Completion date of version	06/07/2022
Project Developer	Vaayu (India) Power Corporation Private Limited
Project Representative	Vaayu (India) Power Corporation Private Limited
Project Participants and any communities involved	Vaayu (India) Power Corporation Private Limited First Climate Markets A.G.
Host Country (ies)	India
Activity Requirements applied	☐ Community Services Activities ☒ Renewable Energy Activities ☐ Land Use and Forestry Activities/Risks & Capacities ☐ N/A
Scale of the project activity	☐ Micro scale ☐ Small Scale ☒ Large Scale
Other Requirements applied	NA
Methodology (ies) applied and version number	“Consolidated baseline methodology for grid connected electricity generation from renewable sources” ACM0002 (Version 11, EB 52)
Product Requirements applied	☐ GHG Emissions Reduction & Sequestration ☒ Renewable Energy Label ☐ N/A
Project Cycle:	☐ Regular ☒ Retroactive

Land-use & Forest Key Project Information¹

Not Applicable

Table 1 – Estimated Sustainable Development Contributions

Sustainable Development Goals Targeted	SDG Impact (defined in B.6.)	Estimated Annual Average	Units or Products
13 Climate Action (mandatory)	92,971	92,971	tCO2
8 Decent Work and Economic Growth	1 training	1training	Number
7 Affordable and Clean Energy	98367.09	98367.09	MWh

SECTION A. DESCRIPTION OF PROJECT

A. Purpose and general description of project

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Vaayu (India) Power Corporation Private Limited (VIPCPL) has installed 50.4 MW wind farm in the state of Andhra Pradesh in India. Wind World (India) Limited (“Wind World”) is the equipment supplier and the operations and maintenance contractor for the Project. There are 63 Wind Energy Convertors (“WEC’s”) of with rated capacity 800 KW each. The generated electricity is supplied to Electricity Distribution Company (DISCOM) under a long-term power purchase agreement (PPA). The expected operational lifetime of the project is for 20 years. The project being a renewable energy generation activity, leads to reduction in fossil fuel dominated electricity generation from the Indian grid.

Relevant dates for the project activity (e.g. construction, commissioning, continued operation periods, etc.):

The first machine under the project activity was commissioned on 02/08/2010 and last machine was commissioned on 04/05/2011. The expected operational lifetime of the

¹ Please refer to 0 for detailed information on LUF projects

project is for 20 years. The total emission reductions achieved during the previous monitoring periods under CDM are:

CDM Monitoring Period	CERs
25/04/2011 – 25/03/2012	93,324
26/03/2012 – 25/12/2012	96,662
26/12/2012 – 25/12/2013	104,621
26/12/2013 to 24/09/2014	93,459
25/09/2014 to 02/09/2016	157,704
03/09/2016 to 01/01/2019	176,650
02/01/2019 to 01/04/2020	108,584

The monitoring period under Gold Standard are listed below:

Gold Standard Monitoring Period	CERs
03/09/2016 to 01/08/2018	136,202
02/08/2018 to 01/04/2020	Under process

The project has applied for transition from GSCERs to GSVERs for monitoring period 02/04/2020 to 24/04/2021.

A.1.1. Eligibility of the project under Gold Standard

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The project is registered under GS with project ID 4603

A.1.2. Legal ownership of products generated by the project and legal rights to alter use of resources required to service the project

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Not applicable.

A. Location of project

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Host Party(ies) : India
Region / State / Province, etc. : Andhra Pradesh State
City / Town / Community, etc. :Petnikota, Tummalapenta, Abdullapuram, Chintalayapalli villages in Kurnool district and Venkatampalli&Bhogasamudram villages in Anantapur district in Indian State of Andhra Pradesh.

Physical/Geographical location: The detailed individual WECs location numbers and coordinates of project activity are provided below:

Sl. No.	WEC Location No.	Latitude	Longitude
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		DEG	MIN	SEC	DEG	MIN	SEC
1	1	14	59	10.3	78	5	17.5
2	2	14	59	17.7	78	5	16.5
3	3	14	59	24.7	78	5	14.9
4	4	14	59	30.0	78	5	14.0
5	5	14	59	39.0	78	5	16.5
6	6	14	59	46.6	78	5	18.3
7	7	14	59	51.8	78	5	0.7
8	8	14	59	58.2	78	4	59.8
9	9	15	0	1.3	78	4	44.5
10	10	14	59	37.2	78	5	1.8
11	11	14	59	43.6	78	4	51.9
12	12	14	59	47.5	78	4	42.5
13	13	14	59	52.5	78	4	37.0
14	14	14	59	52.5	78	4	21.6
15	15	14	59	57.8	78	4	16.3
16	16	15	0	3.2	78	4	11.2
17	17	15	0	9.5	78	4	4.4
18	21	15	0	18.2	78	4	45.5
19	22	15	0	25.6	78	4	39.3
20	23	15	0	30.1	78	4	22.0
21	24	15	0	42.0	78	3	52.3
22	25	15	0	33.2	78	3	42.2
23	26	15	0	39.6	78	3	38.6
24	27	15	0	47.0	78	3	35.2
25	28	15	0	51.2	78	3	29.4
26	29	15	0	57.0	78	3	25.
27	30	15	1	25.9	78	4	50.2
28	31	15	1	32.1	78	4	47.3
29	32	15	1	36.5	78	4	39.4
30	33	15	1	41.9	78	4	39.2
31	34	15	1	43.5	78	4	53.8
32	35	15	1	38.1	78	4	55.4
33	43	15	2	58.6	78	2	57.9
34	43A	15	2	50.4	78	2	59.3
35	61	15	3	22.2	78	2	33.8
36	69	15	4	32.3	78	1	39.2

37	70	15	4	38.5	78	1	38.0
38	71	15	4	44.7	78	1	38.4
39	72	15	4	49.7	78	1	32.0
40	73	15	4	55.4	78	1	34.4
41	74	15	5	2.5	78	1	50.6
42	85	15	3	28.7	78	2	31.0
43	86	15	3	35.6	78	2	29.0
44	90	15	3	6.5	78	2	43.6
45	A1	15	4	32.6	78	2	26.8
46	A2	15	4	40.0	78	2	22.4
47	A3	15	4	28.1	78	2	42.3
48	A4	15	4	40.5	78	2	33.5
49	A5	15	4	54.0	78	2	17.2
50	A6	15	5	7.4	78	2	21.8
51	W1	15	2	37.0	77	59	16.0
52	W2	15	2	29.9	77	59	15.7
53	W3	15	2	24.2	77	59	18.6
54	W4	15	2	13.8	77	59	17.1
55	W5	15	2	5.9	77	59	20.8
56	W6	15	2	0.5	77	59	26.5
57	W7	15	1	49.3	77	59	36.4
58	W8	15	1	41.8	77	59	44.8
59	W9	15	1	36.5	77	59	50.5
60	W10	15	2	3.9	77	59	52.3
61	W11	15	2	10.8	77	59	56.7
62	W12	15	2	21.0	77	59	34.8
63	W13	15	1	55.4	77	59	29.9

A. Technologies and/or measures

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Brief description of the installed technology and equipment:

The Wind Technology is supplied by Wind World (India) Ltd. who promoted WW-53 technology (previously known as Enercon) with rated capacity 800 KW for each WEC. The electricity supplied to the grid is metered from main and check meters at 33kV that are connected to the 63 turbines of the project activity.

A. Scale of the project

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Large Scale

A. Funding sources of project

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Not Applicable

SECTION B. APPLICATION OF APPROVED GOLD STANDARD METHODOLOGY (IES) AND/OR DEMONSTRATION OF SDG CONTRIBUTIONS

B. . Reference of approved methodology (ies)

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Title: "Consolidated baseline methodology for grid-connected electricity generation from renewable sources"

Reference: Approved consolidated baseline methodology ACM0002 (Version 11)

ACM0002 draws upon the following tools which have been used in the PDD:

- Tool to calculate the emission factor for an electricity system – Version 02
- Tool for the demonstration and assessment of additionality – Version 5.2

Further information with regards to the methodology/ tools can be obtained at <http://cdm.unfccc.int/methodologies/PAmethodologies/approved.html>

B. . Applicability of methodology (ies)

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Not Applicable

B. . Project boundary

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Not Applicable

Source	GHGs	Included?	Justification / Explanation	
Baseline scenario	Grid connected electricity generation	CO ₂	Yes	In the baseline scenario the electricity would have been sourced from the Southern grid which in turn would be connected to fossil fuel fired power plants which emit CO2
		CH ₄	No	No methane generation is expected to be emitted.
		N ₂ O	No	No nitrous oxide generation is expected to be emitted
Project scenario	Greenfield wind energy conversion	CO ₂	No	The project activity does not emit any emissions
		CH ₄	No	No methane generation is expected to be emitted

	N ₂ O	No	No nitrous oxide generation is expected to be emitted.
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B. . Establishment and description of baseline scenario

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Not Applicable

B. . Demonstration of additionality

Not Applicable

B.5.1 Prior Consideration

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Not Applicable

B.5.2 Ongoing Financial Need

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Not Applicable

B. . Sustainable Development Goals (SDG) outcomes

Relevant Target/Indicator for each of the three SDGs

Sustainable Development Goals Targeted	Most relevant SDG Target	SDG Impact
		Indicator (Proposed or SDG Indicator)
13 Climate Action (mandatory)	13.2: Integrate climate change measures into national policies, strategies and planning	Emission reductions in tCO ₂
7 Affordable and Clean Energy	7.2: By 2030, increase substantially the share of renewable energy in the global energy mix	Electricity produced and supplied to the grid in MWh

8 Decent Work and Economic Growth	8.5: By 2030, achieve full and productive employment and decent work for all women and men, including for young people and persons with disabilities, and equal pay for work of equal value	1. No. of trainings provided to the employees
		2. Employment generated due to project activity during construction as well as O&M phase.

B.6.1 Explanation of methodological choices/approaches for estimating the SDG Impact

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Not applicable

B.6.2 Data and parameters fixed ex ante

SDG13

Data/parameter	$EF_{grid,OM,y}$
Unit	tCO _{2e} /MWh
Description	Operating Margin Emission Factor of SOUTHERN Regional Electricity Grid
Source of data	The “CO ₂ Baseline Database for Indian Power Sector” is available at http://www.cea.nic.in/reports/planning/cdm_co2/cdm_co2.htm
Value(s) applied	0.98756
Choice of data or Measurement methods and procedures	“CO ₂ Baseline Database for Indian Power Sector”, version 5 published by the Central Electricity Authority, Ministry of Power, Government of India.
Purpose of data	The data is used to calculate baseline emission reductions.
Additional comment	The value is calculated on ex-ante basis and it will remain same throughout the crediting period.

Data/parameter	$EF_{grid,BM,y}$
Unit	tCO _{2e} /MWh

Description	Build Margin Emission Factor of SOUTHERN Regional Electricity Grid
Source of data	The “CO2 Baseline Database for Indian Power Sector” is available at http://www.cea.nic.in/reports/planning/cdm_co2/cdm_co2.htm
Value(s) applied	0.81792
Choice of data or Measurement methods and procedures	“CO2 Baseline Database for Indian Power Sector”, version 5 published by the Central Electricity Authority, Ministry of Power, Government of India.
Purpose of data	The data is used to calculate baseline emission reductions.
Additional comment	The value is calculated on ex-ante basis and it will remain same throughout the crediting period.

Data/parameter	$EF_{grid,,CM,y}$
Unit	tCO2e/MWh
Description	Combined Margin Emission Factor of SOUTHERN Regional Electricity Grid
Source of data	The “CO2 Baseline Database for Indian Power Sector” is available at http://www.cea.nic.in/reports/planning/cdm_co2/cdm_co2.htm
Value(s) applied	0.94515
Choice of data or Measurement methods and procedures	“CO2 Baseline Database for Indian Power Sector”, version 5 published by the Central Electricity Authority, Ministry of Power, Government of India.
Purpose of data	The data is used to calculate baseline emission reductions.
Additional comment	The value is calculated on ex-ante basis and it will remain same throughout the crediting period.

SDG 7

Data/parameter	$EG_{PJ,y}$
Unit	MWh
Description	Net electricity supplied to the grid by the Project activity
Source of data	Net electricity supplied to the grid by the Project activity calculated using the formula described in monitoring plan.
Value(s) applied	157,574.718
Choice of data or Measurement methods and procedures	Calculated using formula $EG_{PJ,y} = EG_{export,y} - EG_{pi}$
Purpose of data	Baseline Emissions calculations

Additional comment	The data will be archived for the entire crediting period plus two years.
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Data/parameter	$EG_{Export,y}$
Unit	MWh (Mega-Watt hour)
Description	Electricity exported by project activity to grid after apportioning of transmission losses between 33kV metering point (Cluster meter) & 132kV metering point (Bulk metering point)
Source of data	Electricity exported by project activity calculated using the formula described in monitoring plan.
Value(s) applied	157,743.356
Choice of data or Measurement methods and procedures	Calculated using formulae $EG_{Export,y} = EG_{pe} * (1 - Lep (\%))$
Purpose of data	Baseline Emissions calculations
Additional comment	The data will be archived for the entire crediting period plus two years.

Data/parameter	EG_{pe}
Unit	MWh (Mega-Watt hour)
Description	Electricity Export recorded at 33kV (JMR at 33kV metering point) cluster metering points connecting total 63 machines of the project activity.
Source of data	Electricity export to the grid as per the joint meter reading recorded at cluster metering points connecting 63 turbines at 33kV level.
Value(s) applied	159,029.514
Choice of data or Measurement methods and procedures	Not Applicable
Purpose of data	Baseline Emissions calculations
Additional comment	The data will be archived for the entire crediting period plus two years.

Data/parameter	EG_{pi}
Unit	MWh (Mega-Watt hour)

Description	Electricity Import recorded at 33kV (JMR at 33kV metering point) cluster metering points connecting total 63 machines of the project activity.
Source of data	Electricity import from the grid as per the joint meter reading recorded at cluster metering point connecting 63 turbines at 33kV level.
Value(s) applied	168.638
Choice of data or Measurement methods and procedures	Not Applicable
Purpose of data	Baseline Emissions calculations
Additional comment	The data will be archived for the entire crediting period plus two years.

Data/parameter	EG _e
Unit	MWh (Mega-Watt hour)
Description	Electricity Export recorded at 132 kV meters (main and check) at wind world pooling substation connecting machines of the project activity and machines commissioned by the other project developers.
Source of data	Electricity export to the grid as per the joint meter reading recorded at 132 KV of the wind world pooling substation (Bulk metering point) connecting machines of the project activity and machines commissioned by the other project developers.
Value(s) applied	256,109.990
Choice of data or Measurement methods and procedures	Not Applicable
Purpose of data	Baseline Emissions calculations
Additional comment	The data will be archived for the entire crediting period plus two years.

Data/parameter	Lep
Unit	MWh (Mega-Watt hour)
Description	Total percentage of Transmission loss for export between the metering point at 33 kV metering points (sum of all the WECs connected to Bulk metering point including non-project activity as well as project activity WECs) and the metering point at 132 kV at the wind world pooling substation.

Source of data	Transmission Loss is directly applied from the joint meter reading for the project activity. This value is certified by the State Utility and Wind World India in the transmission loss calculation sheet.
Value(s) applied	Calculated as per formulas better described under monitoring plan. Monthly values of Lep are provided in ER spreadsheet.
Choice of data or Measurement methods and procedures	Total % of transmission losses for export (Lep) are calculated as per following formula: $Lep (\%) = \frac{\{(X_{Export,1} + X_{Export,2} + X_{Export,3} + \dots + X_{Export,N}) - EGe\} * 100}{(X_{Export,1} + X_{Export,2} + X_{Export,3} + \dots + X_{Export,N})}$
Purpose of data	Baseline Emissions calculations
Additional comment	The data will be archived for the entire crediting period plus two years.

SDG 8

Data/parameter	Quality of employment
Unit	Number of Health and safety trainings for qualitatively better work opportunities during Operation and Maintenance.
Description	Training records, categories of jobs created, occupational health management, safeguards put in place. Project developer has comprehensive internal systems in place wherein all essential norms pertaining to safety, occupational health and working conditions are being followed.
Source of data	Documentation pertaining to training programmes, awareness generation activities etc., photographs, interviews.
Value(s) applied	1 training event per year
Choice of data or Measurement methods and procedures	List of training programmes conducted by project developer.
Purpose of data	To monitor the contribution to SDG 8
Additional comment	The data will be archived for the entire crediting period plus two years. As per registered GS document, minimum of 1 training shall be conducted each year. Thus, the requirement has been met and additional sessions were also conducted during the current monitoring period.

Data/parameter	Quantitative employment and income generation
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Unit	Number of jobs created in the operations and maintenance of the wind farm.
Description	Number of employment opportunities created
Source of data	Attendance Sheet, Employment records data maintained by Project Developer
Value(s) applied	The project activity is connected with 132kV metering point (Bulk metering point) Ankireddypalli substation. This sub-station is connected with various sites and local people are employed in this sub-station. As on the current monitoring report, total active employment at the project site is 75, which includes both direct jobs and contractual jobs. Out of these total employed resources, 20 persons were added as regular employee during the current monitoring period (i.e. year 2018 to 2020); whereas 9 employees were added under contractual employment during the current monitoring period. The number of jobs created due to the project activity is divided under following categories: i. Technical Staff ii. Non-technical Staff iii. Security Guards Wind World India has assigned team of above mentioned technical, non-technical and security guards for the project activity, who are responsible for all project related wind turbines. List of technical and non-technical staff assigned for the project activity shall be provided to DOE during verification. In addition to the direct job creation for local people due to the project activity, it may be noted that the representatives of various stakeholders of the project visit the project site frequently, which requires support services. This leads to additional livelihood/income generation avenues for the local people.
Choice of data or Measurement methods and procedures	Employment records, Measured by Project developer
Purpose of data	To monitor the contribution to SDG 8
Additional comment	The data will be archived for the entire crediting period plus two years. The lists of all employees with their details, date of joining and current status etc. have been provided to DOE, duly signed by the authorized person of the company.

B.6.3 Ex ante estimation of SDG Impact

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Sustainable Development Goals Targeted	SDG Impact Annually
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13 Climate Action (mandatory)	92,971
8 Decent Work and Economic Growth	1 training
7 Affordable and Clean Energy	98367.09

B.6.4 Summary of ex ante estimates of each SDG Impact

Year	Baseline estimate	Project estimate	Net benefit
Year 1 SDG 13 SDG 8 SDG 7	92,971tCO2 1 number 98367.09 MWh	92,971tCO2 1 number 98367.09 MWh	92,971tCO2 1 number 98367.09 MWh
Year 2 SDG 13 SDG 8 SDG 7	92,971tCO2 1 number 98367.09 MWh	92,971tCO2 1 number 98367.09 MWh	92,971tCO2 1 number 98367.09 MWh
Year 2 SDG 13 SDG 8 SDG 7	92,971tCO2 1 number 98367.09 MWh	92,971tCO2 1 number 98367.09 MWh	92,971tCO2 1 number 98367.09 MWh
Year 4 SDG 13 SDG 8 SDG 7	92,971tCO2 1 number 98367.09 MWh	92,971tCO2 1 number 98367.09 MWh	92,971tCO2 1 number 98367.09 MWh
Year 5 SDG 13 SDG 8 SDG 7	92,971tCO2 1 number 98367.09 MWh	92,971tCO2 1 number 98367.09 MWh	92,971tCO2 1 number 98367.09 MWh
Year 6 SDG 13 SDG 8 SDG 7	92,971tCO2 1 number 98367.09 MWh	92,971tCO2 1 number 98367.09 MWh	92,971tCO2 1 number 98367.09 MWh
Year 7 SDG 13 SDG 8 SDG 7	92,971tCO2 1 number 98367.09 MWh	92,971tCO2 1 number 98367.09 MWh	92,971tCO2 1 number 98367.09 MWh
Year 8 SDG 13 SDG 8 SDG 7	92,971tCO2 1 number 98367.09 MWh	92,971tCO2 1 number 98367.09 MWh	92,971tCO2 1 number 98367.09 MWh
Year 9 SDG 13 SDG 8	92,971tCO2 1 number	92,971tCO2 1 number	92,971tCO2 1 number

SDG 7	98367.09 MWh	98367.09 MWh	98367.09 MWh
Year 10	92,971tCO2	92,971tCO2	92,971tCO2
SDG 13	1 number	1 number	1 number
SDG 8	98367.09 MWh	98367.09 MWh	98367.09 MWh
SDG 7			
Total			
Total number of crediting years			
Annual average over the crediting period	92,971tCO2 1 number 98367.09 MWh	92,971tCO2 1 number 98367.09 MWh	92,971tCO2 1 number 98367.09 MWh

B. . Monitoring plan

B.7.1 Data and parameters to be monitored

SDG 13

Data / Parameter	$EF_{grid,OM,y}$
Unit	tCO _{2e} /MWh
Description	Operating Margin Emission Factor of SOUTHERN Regional Electricity Grid
Source of data	The “CO2 Baseline Database for Indian Power Sector” is available at http://www.cea.nic.in/reports/planning/cdm_co2/cdm_co2.htm
Value(s) applied	0.98756
Measurement methods and procedures	“CO2 Baseline Database for Indian Power Sector”, version 5 published by the Central Electricity Authority, Ministry of Power, Government of India.
Monitoring frequency	NA
QA/QC procedures	NA
Purpose of data	The data is used to calculate baseline emission reductions.
Additional comment	The value is calculated on ex-ante basis and it will remain same throughout the crediting period.

Data / Parameter	$EF_{grid,BM,y}$
Unit	tCO2e/MWh
Description	Build Margin Emission Factor of SOUTHERN Regional Electricity Grid
Source of data	The “CO2 Baseline Database for Indian Power Sector” is available at http://www.cea.nic.in/reports/planning/cdm_co2/cdm_co2.htm
Value(s) applied	0.81792
Measurement methods and procedures	“CO2 Baseline Database for Indian Power Sector”, version 5 published by the Central Electricity Authority, Ministry of Power, Government of India.
Monitoring frequency	NA
QA/QC procedures	NA
Purpose of data	The data is used to calculate baseline emission reductions.
Additional comment	The value is calculated on ex-ante basis and it will remain same throughout the crediting period.

Data / Parameter	$EF_{grid,,CM,y}$
Unit	tCO2e/MWh
Description	Combined Margin Emission Factor of SOUTHERN Regional Electricity Grid
Source of data	The “CO2 Baseline Database for Indian Power Sector” is available at http://www.cea.nic.in/reports/planning/cdm_co2/cdm_co2.htm
Value(s) applied	0.94515
Measurement methods and procedures	“CO2 Baseline Database for Indian Power Sector”, version 5 published by the Central Electricity Authority, Ministry of Power, Government of India.
Monitoring frequency	NA
QA/QC procedures	NA
Purpose of data	The data is used to calculate baseline emission reductions.
Additional comment	The value is calculated on ex-ante basis and it will remain same throughout the crediting period.

SDG 7

Data / Parameter	$EG_{PJ,y}$
Unit	MWh
Description	Net electricity supplied to the grid by the Project activity
Source of data	Net electricity supplied to the grid by the Project activity calculated using the formula described in monitoring plan.
Value(s) applied	157,574.718
Measurement methods and procedures	Calculated using formula $EG_{PJ,y} = EG_{\text{export}, y} - EG_{pi}$
Monitoring frequency	Measuring frequency: Continuous Recording frequency: Monthly
QA/QC procedures	QA/QC procedures have been implemented by Discom/State utility pursuant to the provisions of the power purchase agreement except or otherwise explicitly stated in the PDD. All the main meter and check meters are calibrated by state utility once in five year and records are available with PP.
Purpose of data	Baseline Emissions calculations
Additional comment	The data will be archived for the entire crediting period plus two years.

Data / Parameter	$EG_{\text{Export},y}$
Unit	MWh (Mega-Watt hour)
Description	Electricity exported by project activity to grid after apportioning of transmission losses between 33kV metering point (Cluster meter) & 132kV metering point (Bulk metering point)
Source of data	Electricity exported by project activity calculated using the formula described in monitoring plan.
Value(s) applied	157,743.356
Measurement methods and procedures	Calculated using formulae $EG_{\text{export},y} = EG_{pe} * (1 - Lep (\%))$
Monitoring frequency	Measuring frequency: Continuous Recording frequency: Monthly

QA/QC procedures	Value of $EG_{\text{Export}, y}$ can be crosschecked from certified statement given by state utility showing cost of export and import. It may be noted that energy export by the project activity is denoted as import by the grid from the project activity and therefore electricity export by the project activity is denoted as import by the grid in the certified statement by the state utility. QA/QC procedures have been implemented by Discom/State utility pursuant to the provisions of the power purchase agreement except or otherwise explicitly stated in the PDD. All the main meter and check meters are calibrated by state utility once in five years and records are available with PP.
Purpose of data	Baseline Emissions calculations
Additional comment	The data will be archived for the entire crediting period plus two years.

Data / Parameter	EG_{pe}
Unit	MWh (Mega-Watt hour)
Description	Electricity Export recorded at 33kV (JMR at 33kV metering point) cluster metering points connecting total 63 machines of the project activity.
Source of data	Electricity export to the grid as per the joint meter reading recorded at cluster metering points connecting 63 turbines at 33kV level.
Value(s) applied	159,029.514
Measurement methods and procedures	Not Applicable
Monitoring frequency	Measuring frequency: Continuous Recording frequency: Monthly
QA/QC procedures	Value of EG_{pe} can be cross checked from transmission loss calculation sheet signed by the representatives of Wind World and Discom. QA/QC procedures have been implemented by Discom/State utility pursuant to the provisions of the power purchase agreement except or otherwise explicitly stated in the PDD. The meters are calibrated once in five years by the state utility.
Purpose of data	Baseline Emissions calculations
Additional comment	The data will be archived for the entire crediting period plus two years.

Data / Parameter	EG _{pi}
Unit	MWh (Mega-Watt hour)
Description	Electricity Import recorded at 33kV (JMR at 33kV metering point) cluster metering points connecting total 63 machines of the project activity.
Source of data	Electricity import from the grid as per the joint meter reading recorded at cluster metering point connecting 63 turbines at 33kV level.
Value(s) applied	168.638
Measurement methods and procedures	Not Applicable
Monitoring frequency	Measuring frequency: Continuous Recording frequency: Monthly
QA/QC procedures	Value of EG_{pi} can be crosschecked from certified statement given by state utility showing cost of export and import. It may be noted that energy import by the project activity is denoted as export by the grid to the project activity and therefore electricity import by the project activity is denoted as export by the grid in the certified statement by the state utility. The meters are calibrated once in five years by the state utility. QA/QC procedures have been implemented by Discom/State utility pursuant to the provisions of the power purchase agreement except or otherwise explicitly stated in the PDD.
Purpose of data	Baseline Emissions calculations
Additional comment	The data will be archived for the entire crediting period plus two years.

Data / Parameter	EG _e
Unit	MWh (Mega-Watt hour)
Description	Electricity Export recorded at 132 kV meters (main and check) at wind world pooling substation connecting machines of the project activity and machines commissioned by the other project developers.
Source of data	Electricity export to the grid as per the joint meter reading recorded at 132 KV of the wind world pooling substation (Bulk metering point) connecting machines of the project activity and machines commissioned by the other project developers.
Value(s) applied	256,109.990

Measurement methods and procedures	Not Applicable
Monitoring frequency	Measuring frequency: Continuous Recording frequency: Monthly
QA/QC procedures	Value of EGe can be cross checked from transmission loss calculation sheet signed by the representatives of Wind World and Discom. The meters are calibrated once in five years by the state utility. QA/QC procedures have been implemented by Discom/state utility pursuant to the provisions of the power purchase agreement except or otherwise explicitly stated in the PDD.
Purpose of data	Baseline Emissions calculations
Additional comment	The data will be archived for the entire crediting period plus two years.

Data / Parameter	Lep
Unit	MWh (Mega-Watt hour)
Description	Total percentage of Transmission loss for export between the metering point at 33 kV metering points (sum of all the WECs connected to Bulk metering point including non-project activity as well as project activity WECs) and the metering point at 132 kV at the wind world pooling substation.
Source of data	Transmission Loss is directly applied from the joint meter reading for the project activity. This value is certified by the State Utility and Wind World India in the transmission loss calculation sheet.
Value(s) applied	Calculated as per formulas better described under monitoring plan. Monthly values of Lep are provided in ER spreadsheet.
Measurement methods and procedures	Total % of transmission losses for export (Lep) are calculated as per following formula: $Lep (\%) = \frac{\{(X_{Export,1} + X_{Export,2} + X_{Export,3} + \dots + X_{Export,N}) - EGe\} * 100}{(X_{Export,1} + X_{Export,2} + X_{Export,3} + \dots + X_{Export,N})}$
Monitoring frequency	Measuring frequency: Continuous Recording frequency: Monthly
QA/QC procedures	QA/QC procedures have been as implemented by Discom/ State utility pursuant to the provisions of the power purchase agreement except or otherwise explicitly stated in the PDD.

Purpose of data	Baseline Emissions calculations
Additional comment	The data will be archived for the entire crediting period plus two years.

SDG 8

Data / Parameter	Quality of employment
Unit	Number of Health and safety trainings for qualitatively better work opportunities during Operation and Maintenance.
Description	Training records, categories of jobs created, occupational health management, safeguards put in place. Project developer has comprehensive internal systems in place wherein all essential norms pertaining to safety, occupational health and working conditions are being followed.
Source of data	Documentation pertaining to training programmes, awareness generation activities etc., photographs, interviews.
Value(s) applied	1 training event annually
Measurement methods and procedures	List of training programmes conducted by project developer.
Monitoring frequency	Annually
QA/QC procedures	Continuation of regular trainings/workshops for employees & O&M staffs
Purpose of data	To monitor the contribution to SDG 8
Additional comment	The data will be archived for the entire crediting period plus two years. As per registered GS document, minimum of 1 training shall be conducted each year.

Data / Parameter	Quantitative employment and income generation
Unit	Number of jobs created in the operations and maintenance of the wind farm.
Description	Number of employment opportunities created
Source of data	Attendance Sheet, Employment records data maintained by Project Developer
Value(s) applied	The project activity is connected with 132kV metering point (Bulk metering point) Ankireddypalli substation. This substation is connected with various sites and local people are

	employed in this sub-station. The number of jobs created due to the project activity is divided under following categories: i. Technical Staff ii. Non-technical Staff iii. Security Guards Wind World India has assigned team of above mentioned technical, non-technical and security guards for the project activity, who are responsible for all project related wind turbines. List of technical and non-technical staff assigned for the project activity shall be provided to DOE during verification. In addition to the direct job creation for local people due to the project activity, it may be noted that the representatives of various stakeholders of the project visit the project site frequently, which requires support services. This leads to additional livelihood/income generation avenues for the local people.
Measurement methods and procedures	Employment records, Measured by Project developer
Monitoring frequency	Annually
QA/QC procedures	To maintain number of presently employed person/ marginal increase in number of employment opportunities depending upon project site requirement for the continuous operation and maintenance of WECS.
Purpose of data	To monitor the contribution to SDG 8
Additional comment	The data will be archived for the entire crediting period plus two years. As per registered GS document, minimum of 10 employees will be given employment per monitoring period.

B.7.2 Sampling plan

>>

No sampling process is involved, hence not applicable.

B.7.3 Other elements of monitoring plan

>>

Not Applicable

SECTION C. DURATION AND CREDITING PERIOD

C. . Duration of project

C.1.1 Start date of project

>>

02/08/2010

C.1.2 Expected operational lifetime of project

>>

20 years

C. . Crediting period of project

C.2.1 Start date of crediting period

>>

25/09/2014

C.2.2 Total length of crediting period

>>

10 years

25/04/2011 - 24/04/2021

SECTION D. SUMMARY OF SAFEGUARDING PRINCIPLES AND GENDER SENSITIVE ASSESSMENT

D. Safeguarding Principles that will be monitored

A completed Safeguarding Principles Assessment is in [Appendix 1](#), ongoing monitoring is summarised below.

Principles	Mitigation Measures added to the Monitoring Plan
3.1 Human Rights	Not Required
3.2 Gender Equality and Women's Rights	Not Required
3.3 Community Health, safety and Working Conditions	Not Required
3.4.1 Sites of Cultural and Historical Heritage	Not Required
3.4.2 Forced Eviction and Displacement	Not Required
3.4.3 Land Tenure and Other Rights	Not Required
3.4.4 Indigenous Peoples	Not Required
3.5 Corruption	Not Required
3.6.1 Labour Rights	Not Required
3.6.2 Negative Economic Consequences	Not Required

4.1.1 Emissions	Not Required
4.1.2 Energy Supply	Not Required
4.2.1 Impact on natural water patterns and flow	Not Required
4.2.2 Erosion and/or water body stability	Not Required
4.3.1 Landscape Modification and Soil	Not Required
4.3.2 Vulnerability to NaturalDisaster	Not Required
4.3.3 Genetic Resources	Not Required
4.3.4 Release of pollutants	Not Required
4.3.5 Hazardous and Non- hazardous Waste	Not Required
4.3.6 Pesticides and fertilizers	Not Required
4.3.7 Harvesting of forests	Not Required
4.3.8 Food	Not Required
4.3.9 Animal Husbandry	Not Required
4.3.10 High Conservation Value Areas and Critical Habitats	Not Required
4.3.11 Endangered Species	Not Required

D. . Assessment that project complies with GS GG Gender Sensitive requirements

Question 1 - Explain how the project reflects the key issues and requirements of Gender Sensitive design and implementation as outlined in the Gender Policy?	As per Gold Standard Gender Policy, para 13(i) “Foundational gender-sensitive requirement – This strengthens Gold Standard’s ‘do no harm’ approach and addresses safeguards to prevent or mitigate adverse impacts on women or men and girls and boys. Such action is mandatory for all projects seeking Gold Standard certification and includes compliance with the gender ‘do no harm’ safeguards, gender gap analysis and gender sensitive stakeholder consultations.” This project is gender-sensitive in design. All stakeholders, irrespective of the gender, were invited and given a chance to give their feedback during the stakeholder feedback round. All the sustainable development activities activities that are planned and implemented by the project developer
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	takes into account the need of the local people, irrespective of their gender.
Question 2 - Explain how the project aligns with existing country policies, strategies and best practices	A signatory to the Convention for the Elimination of Discrimination against Women² and the UN Convention on the Rights of the Child³, India has a number of progressive laws that support gender equality and ending discrimination and violence against women. The Government of India was represented at the 2013 session of the Commission on the Status of Women⁴, where Member States committed to ending all forms of violence against women. They recognized that there is a need to address the economic and political underpinnings of violence; ensure access to justice; strengthen multi-sectoral approaches; and end harmful traditional practices that negatively impact women. Under the Sexual Harassment of Women at the Workplace (Prevention, Prohibition and Redressal) Act 2013, the Government of India has pledged to establish 100 One Stop Crisis Centres and the creation of a INR 1000 Crore Nirbhaya Fund to respond to Violence against Women and Girls. More recently, the Criminal Law (Amendment) Act of 2013 expands the scope of sexual and gender based crimes against women. The Project aligns with the national policies and thus the Project Developer has a in place to ensure that every employee is treated with dignity and respect and afforded equitable treatment. The project developer also takes into account participation by both men and women. Further, the

² https://treaties.un.org/Pages/ViewDetails.aspx?src=TREATY&mtdsg_no=IV-8&chapter=4&lang=en

³ https://treaties.un.org/Pages/ViewDetails.aspx?src=TREATY&mtdsg_no=IV-11&chapter=4&clang=_en

⁴ <http://www.un.org/womenwatch/daw/csw/57sess.htm>

	sustainable development activities designed are implemented for equal participation of both men and women.
Question 3 - Is an Expert required for the Gender Safeguarding Principles & Requirements?	Please refer to the responses provided under "Safeguarding Principle 3.2 - Gender Equality and Women's Rights" under section B.1 - Analysis of social, economic and environmental impacts.
Question 4 - Is an Expert required to assist with Gender issues at the Stakeholder Consultation?	Yes, the project applies the stakeholder-related procedures. From the GS Stakeholder guidelines, section 1.4 "In developing a Project, taking gender issues into account would require that local stakeholder consultation processes reach a wide range of community representatives in ways that ensure equal and effective participation of women and men in consultation, and that gender issues are fully factored into comprehensive social and environmental impact assessments." The Local Stakeholder Consultation Meeting had an overall aim for active participation from men and women equally in the meeting. All the villagers were invited for the consultation through News Paper Advertisement & invitation pasted in Gram Panchayat (local administration) Office. The meeting was conducted in local language.

SECTION E. SUMMARY OF LOCAL STAKEHOLDER CONSULTATION

The below is a summary of the 2 step GS4GG Consultation for monitoring purposes. Please refer to the separate Stakeholder Consultation Report for a complete report on the initial consultation and stakeholder feedback round.

E. Summary of stakeholder mitigation measures

>>

The comments from local stakeholders were invited through a local stakeholder meeting conducted at Kurnol District in Andhra Pradesh on 27th February 2010. The meeting was presided over by Mr. P. Jyothi Basu (WWIL), Mr. Himanshu Bhatnagar (WWIL-CDM) and Mr. A. V. Bhargava (WWIL).

The local stakeholder consultation meeting had representatives from the nearby villages and representatives of VIPCPL and WWIL (EPC and O&M contractor). Following stakeholders are identified for the project activity:

- Local community
- Village panchayat members
- Employees from wind farm developer (WWIL)
- Representatives from NEDCAP and TRANSCO.

The agenda of meeting was as follows:

1. Welcome address and introduction
2. Project profile
3. CDM, social issues and environmental issues
4. Suggestions and opinions
5. Queries from the stakeholders and response by respective authorized persons
6. Vote of thanks
7. Lunch

The following queries were raised by the stakeholders:

1. Is there any effect on the cattle grazing near by the project after 4 to 5 years down the line from the commencement of project?
2. Will the machines installed create sound and disturb the surrounding?
3. Can the local people will get works relating to project.

The clarifications that were addressed by the representatives of WWIL (WWIL is authorized by the PP to execute all the activities in relation to CDM i.e. project registration and verification including local stakeholder consultation) are listed in the table below:

S.No.	Villager Name	Question	Reply
1	Ramaiah	Is there any effect on the cattle grazing near by the project after 4 to 5 years down the line from the commencement of project?	There is no effect on the cattle grazing near by the project the sand down the line will not loss its sanctity as there is relation between the project and down line of cattle grazing.

2	Rameshwar Reddy	Will the machines installed create sound and disturb the surrounding?	Many companies have installed wind projects in several villages and no such problem has been faced. The sounds from the machines are negligible and carry no significance effect or have a major concern.
3	Rameshwar Reddy	Can the local people will get works relating to project.	Yes, there will be opportunities for the vicinity people of project by a proper selection process.

The method followed to address the inputs/ grievances and further details of the discussion with the local stakeholders have been explained below.

	Method Chosen (include all known details e.g. location of book, phone, number, identity of mediator)	Justification
Continuous Input / Grievance Expression Process Book	The book of grievances/ inputs will be kept at the site office and will be maintained by the local O & M team; A notice board will be placed at an accessible place, where local villagers can come and place their complaints/ inputs. This will be checked once in a month. Mr. Ersath Ahmed, Area Lead - Operations Address of the location: Wind World (India)	• Appropriate reporting will take place and the record can be checked any time • Non-interruptive continuous process so as to avoid communication gap. • Anyone from the village can access team in case of any

	Limited, Krishna Site Service office, Kurnool Dist, Andhra Pradesh	urgency or with his/her routine inputs.
Telephone access	A telephone number for making comments is provided to the stakeholders during stakeholder consultation, Mr. Ersath Ahmed, Area Lead - Operations Contact Number: +91 7702203649	Can access team in case of any urgency
Internet/email access	Email: Ersath.Ahmed@windworlindia.com	
Nominated Independent Mediator (optional)	Local Panchayat Head or any other person nominated by the Panchayat body	Members nominated by the local villagers who are well aware of the local issues and are capable of putting forward relevant concerns of the villagers

E. Final continuous input / grievance mechanism

Method	Include all details of Chosen Method (s) so that they may be understood and, where relevant, used by readers.
Continuous Input / Grievance Expression Process Book (mandatory)	
GS Contact (mandatory)	help@goldstandard.org
Other	

APPENDIX 1 - SAFEGUARDING PRINCIPLES ASSESSMENT

Complete the Assessment below and copy all Mitigation Measures for each Principle into [SECTION D](#) above. Please refer to the instructions in the [Guide to Completing](#) this Form.

Assessment Questions / Requirements	Justification of Relevance (Yes / potentially / no)	How Project will achieve Requirements through design, management or risk mitigation.	Mitigation Measures added to the Monitoring Plan (if required)
Principle 1. Human Rights			
1. The Project Developer and the Project shall respect internationally proclaimed human rights and shall not be complicit in violence or human rights abuses of any kind as defined in the Universal Declaration of Human Rights 2. The Project shall not discriminate with regards to participation and inclusion	No	1. During construction and operation of the project the project proponent respected all the human rights. The project is not in any kind of conflict with the livelihood of local people. Project proponent had conducted stakeholder's consultation and sought their opinion. 2. The project will not employ any personnel based on gender, race, religion, sexual	Not Required

		orientation or any other basis. As the Constitution of the host country prohibits discrimination on the basis of a person's race, sex, religion, place of birth, or social status. The host country has signed the Convention 100 (equal remuneration) and convention 111 (discrimination in employment /occupation) under the ILO Declaration on Fundamental Principles and rights⁵.	
Principle 2. Gender Equality			

⁵ <http://www.mfcindia.org/main/bgpapers/bgpapers2013/am/bgpap2013c.pdf>

1. The Project shall not directly or indirectly lead to/contribute to adverse impacts on gender equality and/or the situation of women 2. Projects shall apply the principles of nondiscrimination, equal treatment, and equal pay for equal work 3. The Project shall refer to the country's national gender strategy or equivalent national commitment to aid in assessing gender risks 4. (where required) Summary of opinions and recommendations of an Expert Stakeholder(s)	No	1. No, there is no possibility of adverse effect. 2. The project does not discriminate on basis of gender, caste or religion. 3. The project is aligned to India's strategy for elimination of all discrimination. India ratified the International Convention on the Elimination of All Forms of Racial Discrimination on 03/12/1968 with certain reservation⁶.	Not Required
Principle 3. Community Health, Safety and Working Conditions			

⁶ http://nhrc.nic.in/documents/india_ratification_status.pdf

1. The Project shall avoid community exposure to increased health risks and shall not adversely affect the health of the workers and the community	No	The project is in compliance with all relevant local and national laws. The Project does not threaten human health or environment and does not adversely affect the health of the workers and the community.	Not Required
Principle 4.1 Sites of Cultural and Historical Heritage			
Does the Project Area include sites, structures, or objects with historical, cultural, artistic, traditional or religious values or intangible forms of culture?	No	The project does not alter, damage or remove any cultural heritage. As per the list of cultural heritage sites in India by UNESCO ⁷ , it is clear that the project site is not a cultural heritage site.	Not Required
>>			
Principle 4.2 Forced Eviction and Displacement			
Does the Project require or cause the physical or economic relocation of peoples	No	The project does not involve and is not complicit in involuntary resettlement of	Not Required

⁷ <http://whc.unesco.org/en/statesparties/in>

(temporary or permanent, full or partial)?		peoples in any way. The Project Developer has also obtained all necessary clearances from nodal agencies and NOCs from all the Gram Panchayats for establishing the project.	
>>			
Principle 4.3 Land Tenure and Other Rights			
a. Does the Project require any change, or have any uncertainties related to land tenure arrangements and/or access rights, usage rights or land ownership?	No	A. The project has all the legal, customary rights on the land and does not require any change to land tenure arrangements. The proponent has also obtained necessary clearances from nodal agencies and NOCs from all the Gram Panchayats for establishing the plant.	Not Required
b. For Projects involving land use tenure, are there any uncertainties with regards to land tenure, access rights, usage rights or land ownership?		B. This is not applicable as the project does not require any change to land tenure arrangements.	
>>			
Principle 4.4 - Indigenous people			
Are indigenous peoples present in or within the area of influence of the Project and/or	No	The project is a wind power project and it is not located	Not Required

is the Project located on land/territory claimed by indigenous peoples?		on land/territory claimed by any indigenous peoples.	
> >			
Principle 5. Corruption			
1. The Project shall not involve, be complicit in or inadvertently contribute to or reinforce corruption or corrupt Projects	No	The proponent confirms that there is no corruption involved in the project activity The host country has strict laws⁸ and robust arrangements to prevent such activities. The DOE has been provided with company internal policies and it is clear that it has laid provisions to prevent/identify any corruption.	Not Required
Principle 6.1 Labour Rights			
1. The Project Developer shall ensure that all employment is in	No	1.The proponent assures that there will be no bonded or forced labor during	Not Required

⁸ <http://cbi.nic.in/>

compliance with national labour occupational health and safety laws and with the principles and standards embodied in the ILO fundamental conventions 2. Workers shall be able to establish and join labour organisations 3. Working agreements with all individual workers shall be documented and implemented and include: a) Working hours (must not exceed 48 hours per week on a regular basis), AND		construction and operation of the project activity. Uniform policy will be implemented for all employees. The host country has robust laws in place prohibiting forced and compulsory labor⁹. 2. The proponent confirms that all the fundamental rights of the employees will be respected. The rights of industrial trade unions and their members have been protected by law in India since 1926 by The Trade Unions Act, 1926¹⁰: 3. Working agreements with all individual workers are documented and implemented. 4. Child labor is strictly prohibited in the country¹¹.	
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⁹ <http://labour.nic.in/content/>

¹⁰ <http://ncw.nic.in/acts/TheTradeUnionsAct1926.pdf>

¹¹ http://www.indianchild.com/child_labour_law_in_india.htm

b) Duties and tasks, AND c) Remuneration (must include provision for payment of overtime), AND d) Modalities on health insurance, AND e) Modalities on termination of the contract with provision for voluntary resignation by employee, AND f) Provision for annual leave of not less than 10 days per year, not including sick and casual leave. 4. No child labour is allowed (Exceptions for children working on their families' property requires an Expert Stakeholder opinion) 5. The Project Developer shall ensure the use of appropriate equipment, training of workers,		The proponent assures that no child labor will be employed during construction and operation of the plant. The project proponent has a set mechanism to ensure the age of all the temporary/permanent employees during the life time of the project. 5. The Project Developer has an active safety team which ensures that all employees are given appropriate equipment and training. The same is properly documented and appropriate measures taken in case of emergencies.	
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documentation and reporting of accidents and incidents, and emergency preparedness and response measures			
Principle 6.2 Negative Economic Consequences			
1. Does the project cause negative economic consequences during and after project implementation?	No	There are no negative economic impacts or potential risks to the local economy due to the project activity.	Not Required
>>			
Principle 7.1 Emissions			
Will the Project increase greenhouse gas emissions over the Baseline Scenario?	No	The project is a wind power project and does not lead to any greenhouse gas emissions in project scenario.	Not Required
>>			
Principle 7.2 Energy Supply			
Will the Project use energy from a local grid or power supply (i.e., not connected to a national or regional grid) or fuel resource (such as wood,	No	The project is connected to the grid, as well as being a wind power project it will be a net provider of power to the local grid.	Not Required

biomass) that provides for other local users?			
> >			
Principle 8.1 Impact on Natural Water Patterns/Flows			
Will the Project affect the natural or pre-existing pattern of watercourses, ground-water and/or the watershed(s) such as high seasonal flow variability, flooding potential, lack of aquatic connectivity or water scarcity?	No	The project being a wind power project will not have any such impacts.	Not Required
> >			
Principle 8.2 Erosion and/or Water Body Instability			
c. Could the Project directly or indirectly cause additional erosion and/or water body instability or disrupt the natural pattern of erosion? d. Is the Project's area of influence susceptible to excessive erosion and/or water body instability?	No	1. The project activity has developed activities for prevention of soil erosion by various landscaping measures. 2. The project area is not susceptible to excessive erosion or water body instability.	Not Required
> >			
Principle 9.1 Landscape Modification and Soil			

Does the Project involve the use of land and soil for production of crops or other products?	No	The project being a wind power project does not involve the use of land and soil for production of crops or other products.	Not Required
> >			
Principle 9.2 Vulnerability to Natural Disaster			
Will the Project be susceptible to or lead to increased vulnerability to wind, earthquakes, subsidence, landslides, erosion, flooding, drought or other extreme climatic conditions?	No	The Project will not be susceptible to or lead to increased vulnerability to wind, earthquakes, subsidence, landslides, erosion, flooding, drought or other extreme climatic conditions.	Not Required
> >			
Principle 9.3 Genetic Resources			
Could the Project be negatively impacted by or involve genetically modified organisms or GMOs (e.g., contamination, collection and/or harvesting, commercial development, or take place in facilities or farms that include GMOs in their processes and production)?	No	The project is a wind power project. The project does not have any impact by use of GMOs.	Not Required
> >			

Principle 9.4 Release of pollutants			
Could the Project potentially result in the release of pollutants to the environment?	No	The project being a wind power project does not lead to release of any pollutants.	Not Required
> >			
Principle 9.5 Hazardous and Non-hazardous Waste			
Will the Project involve the manufacture, trade, release, and/ or use of hazardous and non-hazardous chemicals and/or materials?	No	The project during operational phase uses various type of oil/lubricants, grease which are classified as hazardous. These waste are handled in line with hazardous waste management rules and are disposed of accordingly.	Not Required
> >			
Principle 9.6 Pesticides & Fertilisers			
Will the Project involve the application of pesticides and/or fertilisers?	No	The project is a wind power project. The Project will not involve the application of pesticides and/or fertilisers.	Not Required
> >			
Principle 9.7 Harvesting of Forests			
Will the Project involve the harvesting of forests?	No	The project is a wind power project. The Project does not involve the harvesting of forests.	Not Required
> >			

Principle 9.8 Food			
Does the Project modify the quantity or nutritional quality of food available such as through crop regime alteration or export or economic incentives?	No	The project is a wind power project. The Project does not have any impact on the quantity or nutritional quality of food available such as through crop regime alteration or export or economic incentives.	Not Required
> >			
Principle 9.9 Animal husbandry			
Will the Project involve animal husbandry?	No	The project is a wind power project. The Project will not involve animal husbandry.	Not Required
> >			
Principle 9.10 High Conservation Value Areas and Critical Habitats			
Does the Project physically affect or alter largely intact or High Conservation Value (HCV) ecosystems, critical habitats, landscapes, key biodiversity areas or sites identified?	No	The project is a wind power project. The Project does not affect or alter largely intact or HCV ecosystems, critical habitats, landscapes, key biodiversity areas or sites identified.	Not Required
> >			
Principle 9.11 Endangered Species			
a. Are there any endangered species identified as potentially being present within the	No	a. There are no endangered species identified as	Not Required

Project boundary (including those that may route through the area)? b. Does the Project potentially impact other areas where endangered species may be present through transboundary affects?		potentially being present within the Project boundary. b. The Project does not impact other areas where endangered species may be present through transboundary affects.	
>>			

APPENDIX 2- CONTACT INFORMATION OF PROJECT PARTICIPANTS

Organization name	Vaayu (India) Power Corporation Private Limited
Registration number with relevant authority	NA
Street/P.O. Box	Plot No. 33, Daman Patalia Road
Building	NA
City	Bhimpore
State/Region	Daman (UT)
Postcode	396210
Country	India
Telephone	+91-260-2220624, 2220628, +91-260-2221508
E-mail	NA
Website	NA
Contact person	NA
Title	Managing Director
Salutation	Mr.
Last name	Mehra
Middle name	
First name	Yogesh
Department	Corporate
Mobile	+91-98200 40301
Direct tel.	+91-22-22-6702 2832 extn. 7111
Personal e-mail	yogesh.mehra@windworldindia.com

APPENDIX 3- LUF ADDITIONAL INFORMATION

Risk of change to the Project Area during Project Certification Period:	NA
Risk of change to the Project activities during Project Certification Period:	NA
Land-use history and current status of Project Area:	NA
Socio-Economic history:	NA
Forest management applied (past and future)	NA
Forest characteristics (including main tree species planted)	NA
Main social impacts (risks and benefits)	NA
Main environmental impacts (risks and benefits)	NA
Financial structure	NA
Infrastructure (roads/houses etc):	NA
Water bodies:	NA
Sites with special significance for indigenous people and local communities - resulting from the Stakeholder Consultation:	NA
Where indigenous people and local communities are situated:	NA
Where indigenous people and local communities have legal rights, customary rights or sites with special cultural, ecological, economic, religious or spiritual significance:	NA

APPENDIX 4-SUMMARY OF APPROVED DESIGN CHANGES

The monitoring plan had been revised in post registration phase. The revision in monitoring plan was done to change in calibration/testing frequency of energy meters from 'once each year' to 'once in five years' as calibration frequency for monitoring equipment is not under the direct control of PP. Revised PDD version 5.0, dated 22/05/2012 was approved by UNFCCC on 22/11/2012.

The PRC ref number of project activity is PRC-4677-001.

Link: <http://cdm.unfccc.int/Projects/DB/DNV-CUK1302613748.83/view>

Revision History

Version	Date	Remarks
1.2	14 October 2020	Hyperlinked section summary to enable quick access to key sections Improved clarity on Key Project Information Inclusion criteria table added Gender sensitive requirements added Prior consideration (1 yr rule) and Ongoing Financial Need added Safeguard Principles Assessment as annex and a new section to include applicable safeguards for clarity Improved Clarity on SDG contribution/SDG Impact term used throughout Clarity on Stakeholder Consultation information required Provision of an accompanying Guide to help the user understand detailed rules and requirements
1.1	24 August 2017	Updated to include section A.8 on 'gender sensitive' requirements
1.0	10 July 2017	Initial adoption