

PROJECT CONCEPT NOTE

CARBON OFFSET UNIT (CoU) PROJECT

Title	:	1.6 MW Bundled Wind Power Project by MFPL
Version	:	1.0
PCN Date	:	29/11/2023
CoU Issuance Period	:	14 Years
Monitoring Duration	:	01/01/2013 to 31/12/2026



Project Concept Note (PCN)

CARBON OFFSET UNIT (CoU) PROJECT

BASIC INFORMATION

Title of the project activity	1.6 MW Bundled Wind Power Project by MFPL		
Scale of the project activity	Small Scale		
Completion date of the PCN	29/11/2023		
Project participants	Creduce Technologies Private Limited (Aggregator)		
	M/s Mascot Forge Pvt. Ltd. (Project Proponent)		
Host Party	India		
Applied methodologies and	Applied Baseline Methodology:		
standardized baselines	AMS-I. D: "Grid connected renewable electricity generation", version 18		
	Standardized Methodology: Not Applicable.		
Sectoral scopes	01 Energy industries		
	(Renewable/Non-Renewable Sources)		
Estimated amount of total	To be estimated during verification		
GHG emission reductions	[An ex-ante estimate is 2,522 CoUs per year]		

SECTION - A - Description of project activity

A.1 General description of Carbon offset Unit (CoU) project activity

The proposed project titled under UCR is "1.6 MW Bundled Wind Power Project by MFPL", which is wind power project located in Rajkot and Jamnagar district in the state of Gujarat (India). The purpose of this plant installation and power generation is for captive consumption. The project is an operational activity with continuous reduction of GHG, currently being applied under "Universal Carbon Registry" (UCR).

A.1.1 Purpose of the project activity:

The project activity is a renewable power generation activity which incorporates installation and operation of 2 Wind Turbine Generator (WTG). This project has been promoted by M/s Mascot Forge Pvt. Ltd. The details of wind turbine is given below –

State	Village	District	Wind turbine generator ID	Capacity (MW)	Commissioning date
Gujarat	Padavala	Rajkot	EIL/800/09-10/1659	0.8	29/03/2010
Gujarat	Jodhpar	Jamnagar	EIL/800/06-07/0168	0.8	22/09/2006

As per the ex-ante estimate, the project will generate approximately 2803 MWh of electricity per annum. The net generated electricity from the project activity is used for captive consumption by the project proponent (PP). Wheeling agreement is signed between Gujarat Energy Transmission Corporation Limited (GETCO) and PP for Jodhpar site and for the padavala wind turbine the wheeling agreement is signed between Panschim Gujarat Vij Company Limited (PGVCL) and PP. The project activity would be displacing equivalent quantum of grid electricity resulting in emission reduction of 2522 tCO₂ per annum. The project activity has been helping in greenhouse gas (GHG) emission reduction by using renewable resources (wind energy) for generating power which otherwise would have been generated using grid mix power plants, which is dominated by fossil fuel based thermal powerplants.

The estimated annual average and the total CO_2e emission reduction by the project activity is expected to be 2,522 tCO₂e, whereas actual emission reduction achieved during the first CoU period shall be submitted as a part of first monitoring and verification.

Since the project activity generates electricity through wind energy, a clean renewable energy source it will not cause any negative impact on the environment and thereby contributes to climate change mitigation efforts

A.1.2 Project's Contribution to Sustainable Development

This project is a greenfield activity where grid power is the baseline. The Indian grid system has been predominantly dependent on fossil fuel-powered plants. Renewable power generation is gradually contributing to the share of clean & green power in the grid; however, the grid emission factor is still on the higher side which defines the grid as a distinct baseline.

The Government of India has stipulated the following indicators for sustainable development in the interim approval guidelines for such projects which are contributing to GHG mitigations. The Ministry of Environment, Forests & Climate Change, has stipulated economic, social, environmental, and technological well-being as the four indicators of sustainable development. It has been envisaged that the project shall contribute to sustainable development using the following ways:

Social well-being: There has been good employment opportunities created for the local workforce during the project construction phase. The project after implementation has also continued to provide employment opportunities for the local populace in a sustained manner and the same would be continued over the project life time. The employment opportunities created will contribute towards alleviation of poverty in the surrounding area throughout the lifetime of the project activity.

Economic well-being: The project is a clean technology investment decided based on carbon revenue support, which signifies flows of clean energy investments into the host country. The project activity requires temporary and permanent, skilled and semi-skilled manpower at the project location; this will create additional employment opportunities in the region. The electricity replaced in grid will be available for nearby area which directly and indirectly improves the economy and life style of the area. In addition, success of these kind of project will provide new opportunities for industries and economic activities to be setup in the area. Apart from getting better employment opportunities, the local people will get better prices for their land, thereby resulting in overall economic development.

Technological well-being: The successful operation of project activity would lead to the promotion of wind-based power generation and would encourage other entrepreneurs to participate in similar projects. Increased interest in wind energy projects will further push R&D efforts by technology providers to develop more efficient and better machinery in future. The project activity leads to the promotion and demonstrates the success of wind projects in the region which further motivate more investors to invest in wind power projects. Hence, the project activity leads to technological well- being.

Environmental well-being: The project activity will generate power using zero emissions wind-based power generation facility which helps to reduce GHG emissions and specific pollutants like SO_x , NO_x , and SPM associated with the conventional thermal power generation facilities. The project utilizes wind energy for generating electricity which is a clean source of energy. Also, being a renewable resource, use of wind energy to generate electricity contributes to resource conservation. It reduces the dependence on fossil fuels and conserves natural resources which are on the verge of depletion. The impact on land, water, air and soil is negligible. Thus, the project causes no negative impact on the surrounding environment contributing to environmental well-being.

SDG Goals	Targeted SDG	Targeted Indicator (SDG Indicator)	
7 AFFORDABLE AND CLEAN ENERGY	7.2: By 2030, increase substantially the share of renewable energy in the global energy mix	7.2.1: Renewable energy share in the total final energy consumption	
	➢ Target: 2803 MWh	 The project activity will generate clean energy, which with increased shared 	

		 will increase the affordability at a cheaper rate to end user. The project activity will utilize wind energy (renewal resource) to generate power. The project activity will increase the share of renewable resource-based electricity to global mix of energy consumption
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 > Target:Training, O & M staff 	 8.5.1: Average hourly earnings of female and male employees, by occupation, age and persons with disabilities. This project activity generates additional employment for skilled and unskilled, also the project situated in remote area will provide employment opportunities to unskilled people from villages. The training on various aspect including safety, operational issues and developing skill set will also be provided to employees This project will 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
13 CLIMATE ACTION	13.2:Integrateclimatechangemeasuresinternationalpoliciesstrategies and planning.>Target:2522 tCO2/y	13.2.1: Number of countries that have communicated establishment or operationalization of an integrated policy/ strategy/ plan which increases their ability to adapt to the adverse

impacts of climate change, and foster
climate resilience and low greenhouse
gas emissions development in a manner
that does not threaten food production
(including a national adaptation plan,
nationally determined contribution,
ational communication, biennial
pdate report or other)
This 1.6 MW wind project meets the
SDG 13 goal by saving fossil fuel and
producing clean energy.
SDG 13 on clean energy is closely
related and complementary.
> In a Greenfield project, electricity
delivered to the grid by the project
would have otherwise been generated
by the operation of grid-connected
power plants. Thereby the project
activity reduces the dependence on
fossil fuel-based generation units and
as there are no associated emissions
with this project it contributes to the
reduction of greenhouse gases (GHG)
emissions.

A.1.3 With regards to ESG credentials:

At present specific ESG credentials have not been evaluated, however, the project essentially contributes to various indicators that can be considered under ESG credentials. Some of the examples are as follows:

• Under Environment:

Environmental criteria may include a company's energy use, waste, pollution, natural resource conservation, treatment of animals, etc. For the project proponent, the energy use pattern is now based on renewable energy due to the project and it also contributes to GHG emission reduction and conservation of depleting energy sources associated with the project baseline. Also, the criteria can be further evaluated on the basis of any environmental risks that the company might face and how those risks are being managed by the company. Here, as the power generation will be based on wind power,

the risk of environmental concerns associated with non-renewable power generation and risk related to increasing cost of power, etc. are now mitigated. Hence, the project contributes to ESG credentials.

• Under Social:

Social criteria reflect on the company's business relationships, qualitative employment, working conditions with regard to its employees' health and safety, interests of other stakeholders' etc. With respect to this project, the project proponent has robust policies in place to ensure equitable employment, health & safety measures, local jobs creation etc. Also, the organizational CSR activities directly support local stakeholders to ensure social sustainability. Thus, the project contributes to ESG credentials.

• Under Governance:

Governance criteria relates to overall operational practices and accounting procedure of the organization. With respect to this project activity, the PP practices a good governance practice with transparency, accountability and adherence to local and national rules & regulations etc. This can be further referred from the company's annual report. The electricity generated from the project can be accurately monitored, recorded and further verified under the existing management practice of the company. Thus, the project and the proponent ensure good credentials under ESG.

A.2 Do no harm or Impact test of the project activity

There was no harm identified form the project and hence no mitigations measures are applicable.

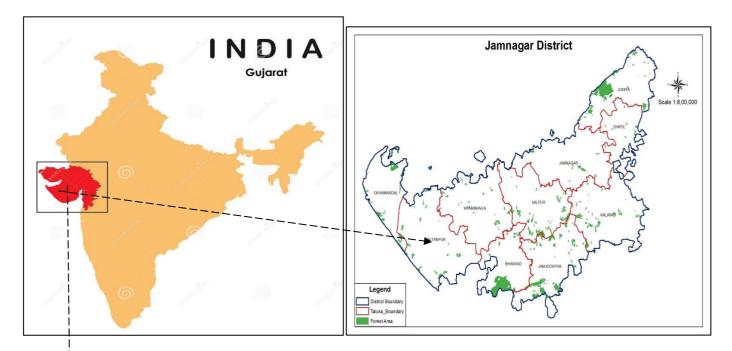
Rational: as per 'Central Pollution Control Board (Ministry of Environment & Forests, Govt. of India)', final document on the revised classification of Industrial Sectors under Red, Orange, Green and White Categories (07/03/2016), it has been declared that wind project activity falls under the "White category". White Category projects/industries do not require any environmental clearance such as 'Consent to Operate' from PCB as such projects does not lead to any negative environmental impacts. Additionally, as per Indian Regulation, Environmental and Social Impact Assessment is not required for wind projects.

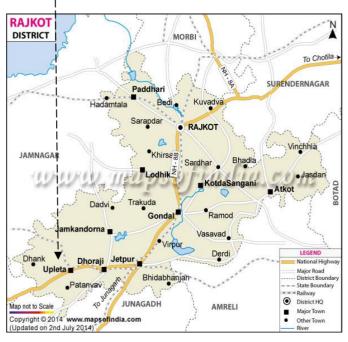
Additionally, there are social, environmental, economic and technological benefits which contribute to sustainable development. The key details have been discussed in the previous section.

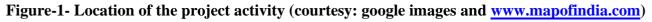
Project owner Name	Village	District	State	Project Co-ordinates
Mascot Forge Pvt. Ltd	Padavala	Rajkot	Gujarat	21.9426739, 70.2192892
	Jodhpar	Jamnagar	Gujarat	21.981547, 69.302942

A.3 Location of the project activity

The representative location map is shown below







A.4 Technologies/measures

The proposed project activity is installation and operation of 2 Wind Turbine Generators (WTG) of 800 kw manufactured and supplied by Enercon.

Turbine model	Enercon (E- 53)
Rated power	800 kW
Rotor diameter	53 m
Hub height	75 m (Concrete)
Turbine Type	Direct Driven, Upwind, Horizontal axis wind turbine with variable rotor speed
Power regulation	Independent pitch system for each blade
Cut in wind speed	2.5 m/s
Rated wind speed	12 m/s
Cut-out Wind speed	28-34 m/s
Extreme Wind Speed	59.5 m/s
Rated rotational speed	29 rpm
Operating range rot. Speed	12-29 rpm
Orientation	Upwind
Gear Box type	Gear Less
Generator Type	Synchronous generator
Breaking	Aerodynamic
No of Blades	3
Yaw System	Active yawing with 4 electric yaw drives with brake motor
Blade Material	Fiber Glass Epoxy reinforced
Tower	74 m (concrete)
Output Voltage	400 V

Technical details for WTGs manufactured by Enercon are as follows:

Apart from the above technical specification of WTG, the connectivity of all the WTG is to a Central Monitoring Station (CMS) through high-speed WLAN modem or fiber optic cable which helps in providing real time status of the turbine at CMS with easy GUI (Graphical User Interface) and ability to monitor the functioning of the turbine from CMS.

A Supervisory Control & Data Acquisition System (SCADA) provides a graphical representation of data providing ease to understanding the behavior of WTG, long-time data storage facility, access to daily generation reports and power curve related information & helps to analyze the problem with graphical tools offline as well as online. The other specifications include a safety system with instrumentation for tracking individual functions of the wind turbine generator.

In the absence of the project activity, the equivalent amount of electricity imported from the NEWNE

grid would have been generated from the NEWNE grid, which is predominantly based on fossil fuels¹, hence baseline scenario of the project activity is the grid-based electricity system, which is also the preproject scenario.

A.5 Parties and project participants

Party (Host)	Participants		
India	Creduce Technologies Private Limited (Aggregator)		
	Contact person : Shailendra Singh Rao		
	Mobile : +91 9016850742, 9601378723		
	Address : 2-O-13,14 Housing Board Colony,		
	Banswara, Rajasthan -327001, India		
	M/s Mascot Forge Pvt. Ltd. (Project Owner)		
	Address: C-l, 274/275, Aji GIDC II, Rajkot - 380 003,		
	Gujarat - India		

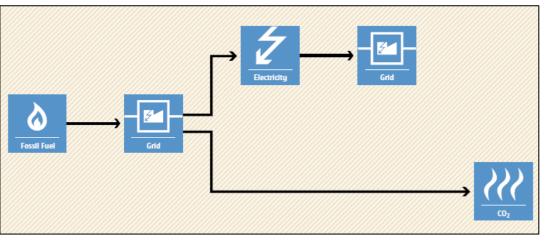
A.6 Baseline Emissions

The baseline scenario identified at the PCN stage of the project activity is:

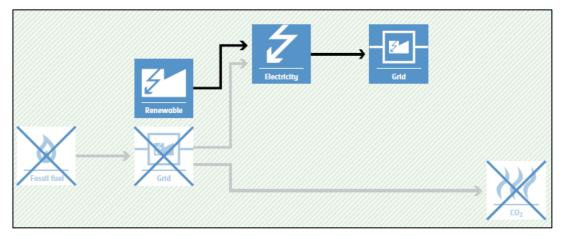
In the absence of the project activity, the equivalent amount of electricity would have been imported from the grid (which is connected to the unified Indian Grid system (NEWNE Grid)), which is carbon intensive due to being predominantly sourced from fossil fuel-based power plants. Hence, the baseline scenario of the project activity is the grid-based electricity system, which is also the pre-project scenario.

Schematic diagram showing the baseline scenario:





Project Scenario:



A.5 De-bundling

This project activity is a bundled component of a larger project activity.

SECTION - B - Application of methodologies and standardized baselines

Sectoral scope	:	01, Energy industries (Renewable/Non-renewable sources)
Туре	:	I-Renewable Energy Projects
Category	:	AMS. I.D. (Title: "Grid connected renewable electricity generation", version 18)

B.1 Reference to methodologies and standardized baselines

B.2 Applicability of methodologies and standardized baselines

The project activity involves the generation of grid-connected electricity from the construction and operation of a new wind power-based power project. The project activity has an installed capacity of 1.6 MW which will qualify for a small-scale project activity under Type-I of the small-scale methodology. The project status corresponds to the methodology AMS-I.D., version 18 and the applicability of the methodology is discussed below:

Applicability Criterion	Project Case
 This methodology comprises renewable energy generation units, such as photovoltaic, hydro, tidal/wave, wind, geothermal and renewable biomass: (a) Supplying electricity to a national or a regional grid; or (b) Supplying electricity to an identified consumer facility via national/regional grid through a contractual arrangement such as wheeling. 	The project activity is a renewable energy project (i.e., wind power project) that uses the generated energy for captive consumption. Thus, it fulfills applicability criteria option 1 (b).
 2. This methodology is applicable to project activities that: (a) Install a greenfield plant; (b) Involve a capacity addition in (an) existing plant(s); (c) Involve a retrofit of (an) existing plant(s); (d) Involve a rehabilitation of (an) existing plant(s)/unit(s); or (e) Involve a replacement of (an) existing plant(s). 	The option (a) of applicability criteria 2 is applicable as project is a greenfield plant /unit. Hence the project activity meets the given applicability criterion.

 3. Hydro power plants with reservoirs that satisfy at least one of the following conditions are eligible to apply this methodology: (a) The project activity is implemented in existing reservoir, with no change in the volume of the reservoir; or (b) The project activity is implemented in existing reservoir, where the volume of the reservoir(s) is increased and the power density as per definitions given in the project emissions section, is greater than 4 W/m². (c) The project activity results in new reservoirs and the power density of the power plant, as per definitions given in the project emissions section, is greater than 4 W/m². 	The project activity involves the installation of (WTG); hence, this criterion is not applicable.
4. If the new unit has both renewable and non-renewable components (e.g., a wind/diesel unit), the eligibility limit of 15 MW for a small-scale CDM project activity applies only to the renewable component. If the new unit co-fires fossil fuel, the capacity of the entire unit shall not exceed the limit of 15 MW.	The proposed project is a 1.6 MW Wind Power Project, i.e., the only component is a renewable power project below 15MW, thus the criterion is not applicable to this project activity.
5. Combined heat and power (co-generation) systems are not eligible under this category.	The project is a wind power project and thus the criterion is not applicable to this project activity.
6. In the case of project activities that involve the capacity addition of renewable energy generation units at an existing renewable power generation facility, the added capacity of the units added by the project should be lower than 15 MW and should be physically distinct from the existing units.	This is a green field project and no expansion and retrofitting were carried out. Hence this criterion is not applicable.
7. In the case of retrofit, rehabilitation, or replacement, to qualify as a small-scale project, the total output of the retrofitted, rehabilitated or replacement power plant/unit shall not exceed the limit of 15 MW.	The proposed project is a greenfield 1.6 MW wind power project, i.e., the only component is a renewable power project below 15 MW, thus the criterion is not applicable to this project activity.
8. In the case of landfill gas, waste gas, wastewater treatment and agro-industries projects, recovered methane emissions are eligible under a relevant Type III category. If the recovered methane is used for electricity generation for supply to a grid, then the baseline for the electricity component shall be in accordance with procedure prescribed under this methodology. If the recovered methane is used for	The proposed project is a greenfield 1.6 MW wind power project; hence, this criterion is not applicable to this project activity.

heat generation or cogeneration other applicable Type-I methodologies such as "AMS-I.C.: Thermal energy production with or without electricity" shall be explored.	
9. In case biomass is sourced from dedicated	No biomass is involved, the project is
plantations, the applicability criteria in the tool	only a wind power project and thus the
"Project emissions from cultivation of biomass" shall	criterion is not applicable to thisproject
apply.	activity.

B.3 Applicability of double counting emission reductions

There is no double accounting of emission reductions in the project activity due to the following reasons:

- Project is uniquely identifiable based on its location coordinates,
- Project has a dedicated commissioning certificate and connection point,
- Project is associated with energy meters which are dedicated to the consumption point for the project developer.

B.4 Project boundary, sources, and greenhouse gases (GHGs)

As per applicable methodology AMS-I.D. Version 18, "The spatial extent of the project boundary includes the project power plant and all power plants connected physically to the electricity system that the project power plant is connected to."

	Source	Gas	Included?	Justification/Explanation
Baseline	Grid connected electricity generation	CO_2	Yes	Main emission source
		CH ₄	No	Minor emission source
		N ₂ O	No	Minor emission source
		Other	No	No other GHG emissions were emitted from the project
Project	Greenfield	CO_2	No	No CO ₂ emissions are emitted from the project
	Wind Electric Power project Activity	CH ₄	No	Project activity does not emit CH ₄
		N ₂ O	No	Project activity does not emit N ₂ O
		Other	No	No other emissions are emitted from the project

Thus, the project boundary includes the wind power plant and the Indian grid system.

B.5 Establishment and description of the baseline scenario

As per the approved consolidated methodology AMS-I.D. Version 18, if the project activity is the installation of a new grid-connected renewable power plant/unit, the baseline scenario is the following:

"The baseline scenario is that the electricity delivered to the grid by the project activity would have otherwise been generated by the operation of grid-connected power plants and by the addition of new generation sources into the grid".

The project activity involves setting up a new wind power plant to harness the wind energy and to use for captive purpose via grid interface through wheeling arrangement. In the absence of the project activity, the equivalent amount of power would have been supplied by the Indian grid, which is fed mainly by fossil fuel-fired plants. Hence, the baseline for the project activity is the equivalent amount of power produced at the Indian grid.

A "grid emission factor" refers to a CO₂ emission factor (tCO₂/MWh) that will be associated with each unit of electricity provided by an electricity system. The UCR recommends an emission factor of 0.9 tCO₂/MWh for the 2013 - 2020 years as a fairly conservative estimate for Indian projects not previously verified under any GHG program. Also, for the vintage 2021-2022, the combined margin emission factor calculated from the CEA database in India results in higher emissions than the default value. Hence, the same emission factor has been considered to calculate the emission reduction under a conservative approach.

B.5.1 Net GHG Emission Reductions and Removals

Thus, $ER_y = BE_y - PE_y - LE_y$

Where:

 $\begin{array}{ll} ER_y & = Emission \ reductions \ in \ year \ y \ (tCO_2/y) \\ BE_y & = Baseline \ Emissions \ in \ year \ y \ (tCO_2/y) \\ PE_y & = Project \ emissions \ in \ year \ y \ (tCO_2/y) \\ LE_y & = Leakage \ emissions \ in \ year \ y \ (tCO_2/y) \end{array}$

• Baseline Emissions

Baseline emissions include only CO_2 emissions from electricity generation in power plants that are displaced due to the project activity. The methodology assumes that all project electricity generation above baseline levels would have been generated by existing grid-connected power plants and the addition of new grid-connected power plants. The baseline emissions are to be calculated as follows:

produced and fed into the grid as
project activity in year y (MWh)
CO ₂ /MWh has been considered.
ia and guidance, UCR Standard,

Estimated annual baseline emission reductions (BEy)

= 2803 MWh/year *0.9 tCO₂/MWh

 $= 2522 \text{ tCO}_2/\text{year}$

• Project Emissions

As per paragraph 39 of AMS-I.D. version-18, "For most renewable energy project activities, $PE_y = 0$. However, for the following categories of project activities, project emissions have to be considered following the procedure described in the most recent version of "ACM0002: Grid-connected electricity generation from renewable sources":

- 1. Emissions related to the operation of geothermal power plants (e.g., non condensable gases, electricity/fossil fuel consumption);
- 2. Emissions from water reservoirs of hydropower plants.

As per paragraph 40 of AMS-I.D. version- $18 - CO_2$ emissions from on-site consumption of fossil fuels due to the project activity shall be calculated using the latest version of the "Tool to calculate project or leakage CO₂ emissions from fossil fuel combustion".

As per paragraph 41 of AMS-I.D. version-18 - In case biomass is sourced from dedicated plantations, the procedures in the tool "Project emissions from cultivation of biomass" shall be used.

This is a wind power project, there is no project emission occurring from biomass and fossil fuel consumption.

Thus, PE = 0

• Leakage Emission

As per paragraph 42 of AMS-I.D. version-18, General guidance on leakage in biomass project activities shall be followed to quantify leakages pertaining to the use of biomass residues.

Hence, all projects other than Biomass projects have zero leakage.

LE = 0

The actual emission reduction achieved during the first CoU period is calculated below:

Hence, LE = 0

The actual emission reduction achieved during the first CoU period shall be submitted as a part of the first monitoring and verification. However, for the purpose of an ex-ante estimation, the following calculation has been submitted:

Hence Net GHG emission reduction, = 2522-0-0 = 2522 tCO₂/year (i.e., 2522 CoUs/year)

B.6 Prior History

The project was not applied under any other GHG mechanism. Hence the project will not cause double accounting of carbon credits (i.e., CoUs).

B.7 Changes to the start date of crediting

The crediting period of this project under UCR has been considered from 01/01/2013 as the project was commissioned earlier but UCR COUs can be only claimed for periods beginning on or after 01/01/2013 (January 01, 2013) and not earlier.

B.8 Permanent changes from PCN monitoring plan, applied methodology or applied standardized baseline

Not applicable.

B.9 Monitoring period number and duration

Total Monitoring Period: 14 Years

Date: 01/01/2013 to 31/12/2026 (inclusive of both dates).

B.10 Monitoring Plan

Data and Parameters available (ex-ante values):

Data / Parameter	UCR recommended emission factor
Data unit	tCO ₂ /MWh
Description	As per UCR CoU Standard Aug 2022 (Updated Ver.6), Clause – Emission Factors "The UCR recommends an emission factor of 0.9 tCO ₂ /MWh for the 2013-2020 years as a fairly conservative estimate for Indian projects not previously verified under any GHG program. Emission factors for the post 2020 period are to be selected as the most conservative estimate between the national electricity/power authority published data set and UCR default of 0.9 tCO ₂ /MWh."
Source of data	https://cea.nic.in/wp- content/uploads/baseline/2023/01/Approved_report_emission_2021 _22.pdf https://a23e347601d72166dcd6- 16da518ed3035d35cf0439f1cdf449c9.ss1.cf2.rackcdn.com//Documen ts/UCRCoUStandardAug2022updatedVer6_090822220127104470.pd <u>f</u>
Value applied	0.9
Measurement methods and procedures	-
Monitoring frequency	Ex-ante fixed parameter
Purpose of Data	For the calculation of Emission Factor of the grid
Additional Comment	The combined margin emission factor as per the CEA database (current version 18, December 2022) results in a higher emission factor. Hence for 2022 vintage UCR default emission factor remains conservative.

Data and Parameters to be monitored (ex-ante values):

Data / Parameter	EG _{PJ,facility, y}
Data unit	MWh

Description	Net electricity supplied to the NEWNE grid facility by the project activity
Source of data	JMR. Statement of net export of power to the grid issued monthly by State Electricity Board or any other competent authority as applicable.
Measurement	Data Type: Measured
procedures (if any):	Monitoring equipment: Energy Meters are used for monitoring Recording Frequency: Continuous monitoring and Monthly recording from Energy Meters, Summarized Annually
	Archiving Policy: Paper & Electronic
	Calibration frequency: 5 years (as per CEA provision)
	Based on the joint meter reading certificates/credit notes, and energy generation report.
Measurement Frequency:	Monthly
Value applied:	2803 (Ex-ante estimate)
QA/QC procedures	Calibration frequency: 5 years (as per CEA provision)
applied:	Based on the joint meter reading certificates/credit notes, and energy generation report.
	As per Central Electricity Authority (Installation and Operation of Meters) (Amendment) Regulations, 2019, dated 23rd December, 2019.
	<i>Clause 14, point 1, (b)</i> "All Interface Meters shall be tested on-site using accredited test laboratory for routine accuracy testing at least once in five years and recalibrated if required". And
	Point 2, (iii) Energy Accounting and Audit Meters: Energy Accounting and Audit Meters shall be tested at site through accredited test laboratory at least once in five years or whenever the accuracy is suspected or whenever the readings are inconsistent with the readings of other meters, e.g., Check Meters, Standby Meters and defective meters shall be recalibrated, if required: Provided that the testing shall be carried out without removing the Instrument Transformers connection."
Purpose of data:	The Data/Parameter is required to calculate the baseline emission.
Any comment:	Data will be archived electronically for a period of 36 months beyond the end of crediting period.