VCS Project Description Template

Instructions for completing the project description:

TITLE PAGE: All items in the box at the bottom of the title page must be completed using Arial 10pt, black, regular (non-italic) font. This box must appear on the title page of the final document. Project descriptions may also feature the project title and preparers' name, logo and contact information more prominently on the title page, using the format below (Arial 24pt and Arial 11pt, black, regular font).

PROJECT DESCRIPTION: Instructions for completing the project description can be found under the section headings in this template. All sections must be completed using Arial 10pt, black, regular (non-italic) font. Sections which are not applicable may be left blank but should NOT be deleted from the final document.

All instructions, including this introductory text, should be deleted from the final document.

Shree Nakoda Ispat Ltd 12MW Biomass power generation project

Project Title	Shree Nakoda Ispat Ltd 12MW Biomass power generation project
Version	*1*
Date of Issue	*20-May-2011*
Prepared By	*Agrinergy Pte Ltd*
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1 PROJECT DETAILS

1.1 Summary Description of the Project

Provide a summary description of the project.

1.2 Sectoral Scope and Project Type

According to the VCS version 3.1 Guidelines and the list of Sectoral Scopes of the UNFCCC, the project is applicable under the following activity categories:

- Category 1 – Renewable energy (wind, PV, solar, thermal, biomass, liquid biofuels, geothermal, run-of-river hydro).
  According to Annex A of the Kyoto Protocol, the project is applicable under the sectoral scope 1

- Energy Industries (renewable/ non-renewable sources).

1.3 Project Proponent

Shree Nakoda Ispat Ltd is the project participant.

1.4 Other Entities Involved in the Project

Provide contact information and roles/responsibilities for any other entities involved in the development of the project.

1.5 Project Start Date

The start date of the project activity is 27 January 2009. The project activity was commissioned on 13 January 2009 and the commercial operation started on 27 January 2009. The commissioning date of the project activity has been verified from the commissioning certificate /11/. VCS credits are claimed from 27 January 2009.

1.6 Project Crediting Period

The CDM crediting period of the project activity is 22 October 2010 to 21 October 2020. The VCS crediting period is therefore from 27 January 2009 to 21 October 2010.

1.7 Project Scale and Estimated GHG Emission Reductions or Removals

Project	✓
Mega-project	

Years	Estimated GHG emission reductions or removals (tCO2e)

27 January 2009 to 31 December 2009	32164
1 January 2010 to 21 October 2010	36402
Total estimated ERs	68566

1.8 Description of the Project Activity

Describe the project activity or activities (including the technologies or measures employed) and how it/they will achieve net GHG emission reductions or removals. Indicate the lifetime of the project activity(s).

1.9 Project Location

The project is located at at Shree Nakoda Ispat Ltd's (SNIL) sponge Iron plant located at Plot number 109, Phase II, Siltara Industrial Growth Centre, Siltara, Raipur in the state of Chhattisgarh in India. The geo coordinates of the project activity are 21° 21'36" North and 81° 39' 6" East.

1.10 Conditions Prior to Project Initiation

The project activity involves the installation of 12 MW renewable biomass based power plant which will displace the fossil fuel dominated grid electricity. In the absence of the project activity the electricity requirement of the SNIL facility, in which the project activity is located would be met by the existing waste heat recovery unit and grid supply.

1.11 Compliance with Laws, Statutes and Other Regulatory Frameworks

Identify and demonstrate compliance of the project with all and any relevant local, regional and national laws, statutes and regulatory frameworks.

1.12 Ownership and Other Programs

1.12.1 Proof of Title

Evidence of proof of title has been demonstrated by a :

1) Letter of Approval issued by the Ministry of Environment & Forest (MoEF) dated 25 July 2008 /18/ for the proof of emission reductions.

2) The owner has also obtained all relevant permits for the proposed project including consent to operate /14/. The ownership of the project activity has been verified from the consent to operate /14/, as per the VCS registry guidance. Title to VCUs has been evidenced by the Letter of Approval and the deed of representation signed by the PP. The project's design and implementation has been carried out in compliance with all relevant and national legislation in India.

1.12.2 Emissions Trading Programs and Other Binding Limits

This is not applicable as the project is registered by UNFCCC Registration ID-3148 and is approved by the Indian DNA.

1.12.3 Participation under Other GHG Programs

The project has been registered as a CDM project, and it does not fall into rejected projects under other GHG programs. The reference numberof the project with UNFCCC is 3148 and its documentation is available on the UNFCCC website /22/.

Other Forms of Environmental Credit

The project is located in India and is developed and operated by Shree Nakoda Ispat Ltd, which is an Indian Investment Enterprise. There is no other environmental credit (for example renewable energy certificate) which has or will be produced by or obtained for the project. A self-declaration letter from project proponent addressing that the project does not yield any green benefits / renewable energy certificates and has not claimed emission reductions under any other GHG program for the verification period (27 January 2009 to 21 October 2010) has been provided /10/.

1.12.4 Projects Rejected by Other GHG Programs

Indicate whether the project has been rejected by any other GHG programs. Where the project has been rejected, provide the relevant information.

1.13 Additional Information Relevant to the Project

No such additional requirement is relevant to the project that needs to be provided and verified by DNV.

Eligibility Criteria

For grouped projects, identify eligibility criteria for inclusion of new instances of each project activity.

Leakage Management

Where applicable, describe the leakage management plan and implementation of leakage and risk mitigation measures.

Commercially Sensitive Information

Indicate whether any commercially sensitive information has been excluded from the public version of the project description and briefly describe the items to which such information pertains.

Further Information

Include any additional relevant legislative, technical, economic, sectoral, social, environmental, geographic, site-specific and/or temporal information that may have a bearing on the eligibility of the project, the net GHG emission reductions or removals, or the quantification of the project's net GHG emission reductions or removals.

2 APPLICATION OF METHODOLOGY

2.1 Title and Reference of Methodology

Provide the title, reference and version number of the methodology or methodologies applied to the project.

2.2 Applicability of Methodology

Demonstrate and justify that the project activity(s) meet the applicability conditions of the methodology(s) applied to the project.

2.3 Project Boundary

Define the project boundary and identify the relevant GHG sources, sinks and reservoirs for the project and baseline scenarios (including leakage if applicable).

Source		Gas	Included?	Justification/Explanation
Baseline	Source 1	CO_2		
		CH_4		
		N_2O		
		Other		
	Source 2	CO_2		
		CH_4		
		N_2O		
		Other		
Project	Source 1	CO_2		
		CH_4		
		N_2O		
		Other		
	Source 2	CO_2		
		CH_4		
		N_2O		
		Other		

2.4 Baseline Scenario

Identify and justify the baseline scenario.

2.5 Additionality

Demonstrate and assess the additionality of the project, undertaken in accordance with the applied methodology.

2.6 Methodology Deviations

Describe and justify any methodology deviations.

3 QUANTIFICATION OF GHG EMISSION REDUCTIONS AND REMOVALS

3.1 Baseline Emissions

Describe the procedure for quantification of the baseline emissions and/or removals. Include all relevant equations.

3.2 Project Emissions

Describe the procedure for quantification of the project emissions and/or removals. Include all relevant equations.

3.3 Leakage

Describe the procedure for quantification of the leakage emissions. Include all relevant equations.

3.4 Summary of GHG Emission Reductions and Removals

Describe the procedure for quantification of net GHG emission reductions and removals. Include all relevant equations For AFOLU projects, include net change in carbon stocks.

Provide the ex-ante calculation (estimate) of baseline emissions/removals, project emissions/removals, leakage emissions and net emission reductions and removals, using the table below:

Years	Estimated baseline emissions or removals (tCO2e)	Estimated project emissions or removals (tCO2e)	Estimated leakage emissions (tCO2e)	Estimated net GHG emission reductions or removals (tCO2e)
Year A				
Year B				
Year C				

Year...				
Total				

4 MONITORING

4.1 Data and Parameters Available at Validation

Describe data and parameters available at validation using the following table (copy table for each data unit/parameter).

Data Unit / Parameter:	
Data unit:	
Description:	
Source of data:	
Value applied:	
Justification of choice of data or description of measurement methods and procedures applied:	
Any comment:	

4.2 Data and Parameters Monitored

Describe data and parameters monitored subsequent to validation using the following table (copy table for each data unit/parameter).

Data Unit / Parameter:	
Data unit:	
Description:	
Source of data:	
Description of measurement methods and procedures to be applied:	*Identify how the data/parameter is measured*
Frequency of monitoring/recording:	*Identify measurement and recording frequency*
Value applied:	*Provide estimated value for the purpose of calculating ex-ante GHG emission reductions or removals*
Monitoring equipment:	*Identify equipment used to monitor the data/parameter including type, accuracy class, serial number of equipment*

QA/QC procedures to be applied:	*Identify calibration information such as frequency, date of last calibration and validity*
Calculation method:	*If applicable*
Any comment:	

4.3 Description of the Monitoring Plan

- *Describe the monitoring plan.*
- *Identify organizational structure, responsibilities and competencies.*
- *Describe methods for generating, recording, storing, aggregating, collating and reporting data on monitored parameters.*
- *Describe procedures for handling internal auditing and non-conformities.*

Line diagrams may be used to display the GHG collection and management system.

5 ENVIRONMENTAL IMPACT

Summarize any environmental impact assessments carried out with respect to the project, where applicable.

6 STAKEHOLDER COMMENTS

Summarize relevant outcomes from stakeholder consultations and mechanisms for on-going communication.